

# Undergraduate Course Catalogue 2008 – 2009

for courses in the Faculties  
of Arts, Law, Business &  
Social Sciences and Science

Senate Office  
The University of Glasgow  
Glasgow  
G12 8QQ

September 2008

While care has been taken to ensure the accuracy of this Catalogue at the time of going to press courses may be changed subsequently. Up-to-date information may be obtained on enquiry to the department which teaches the course.

The University reserves the right to limit numbers on individual courses having regard to the availability of accommodation and other resources.

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## Introduction

### The Undergraduate Course Catalogue

This Undergraduate Course Catalogue describes the courses which you can choose to make up undergraduate degrees of the University of Glasgow offered by its Faculties of Arts, Law, Business & Social Sciences, and Science. The term *Faculties of Science*, throughout this document, refers to the three Faculties of Biomedical & Life Sciences, Information & Mathematical Sciences and Physical Sciences. The degrees covered by the Catalogue are listed in the next section of this Introduction.

At this University you are admitted to a Faculty, and in Arts and Science you have the freedom to choose from a very large number of courses which can make up your degree programme. The same applies to Social Sciences in the Faculty of Law, Business & Social Sciences. Course prescriptions for degree programmes in the disciplines of Law and Financial Studies are more rigid. Details of course requirements can be found in the University Calendar ([www.glasgow.ac.uk/senate/calendar](http://www.glasgow.ac.uk/senate/calendar)). The Undergraduate Course Catalogue tells you the aims of each course, and how your progress would be assessed. It also tells you what you need to know about how each course can be built into a degree programme – its level, credit value, and when it is taught. For each course it also tells you which other courses, if any, you must take first and the relevant grades you must achieve before you can enrol for the course – this is called the *Requirement for Entry*.

The Catalogue identifies the department offering each course and, if you want more information, you should write to the head of that department at: The University of Glasgow, Glasgow G12 8QQ. Also, the University's Web site: [www.glasgow.ac.uk](http://www.glasgow.ac.uk), contains additional information about most departments together with e-mail contact addresses.

For detailed information on how you may combine courses to make up a particular degree programme you should consult the Degree Regulations published in the University Calendar - which is available online at: [www.glasgow.ac.uk/senate/calendar](http://www.glasgow.ac.uk/senate/calendar). Faculty Offices will also hold copies of relevant sections of the Calendar which students may consult. These regulations may seem rather complicated. Faculties of Arts and Law, Business & Social Sciences have also produced booklets which aim to simplify some of the degree regulations found in the Calendar. Contact your Faculty Office to receive a copy. For information on Science degree regulations, contact the Science Faculties Support Unit, Boyd Orr Building. Your Adviser of Studies can also help you to understand the Regulations and to choose courses each year which will lead to your chosen degree, provided you achieve the required grades in these courses. The Faculty Course Lists on page 230 of this Catalogue also provide information on courses available for particular degree programmes in the Faculty of Arts, Faculties of Science and some degrees in the Faculty of Law, Business & Social Sciences.

The Degree Regulations also show which subjects may be studied as Single Honours Degrees and which may be combined in Joint and Combined Honours Degrees. If you are aiming for an Honours degree you need to pre-

pare for Honours study by including appropriate Level 1 and Level 2 courses in your first and second year choices - these are indicated in the Catalogue under the *Requirement for Entry* for each Honours programme. However, decisions on admission to the Honours degrees covered by this Catalogue are not made until the end of your second year of study. It should be stressed that admission to Honours is not automatic for any student. To guarantee admission you must satisfy the general requirements shown in the Degree Regulations, and in your Level 2 courses (and in some cases in Level 1 courses as well) obtain the grades shown under the Honours course entries in this Catalogue.

Individual Honours option courses in the Faculties of Arts and Law, Business & Social Sciences are not described in this Catalogue. However, information on these may be obtained from the relevant department or from the University's Web site. Some individual option courses may be taken by Visiting Students outwith the degree structures.

As well as leading to degrees, the study of many of the courses shown in this Catalogue can lead to the award of a Certificate of Higher Education or a Diploma of Higher Education for those not wishing or not able to complete a degree; again, see the Degree Regulations in the online Calendar and Faculty booklets for further information.

The University also offers a number of professional degrees, such as the degree in Medicine, where the curriculum is largely fixed and a Catalogue of this type is not necessary. Page vii of the Introduction tells you how to obtain information on degrees not covered by this Catalogue.

In addition, the University offers a large number of post-graduate degrees. These are described in the Graduate Prospectus – see page viii of this Introduction.

### Degrees covered by this Catalogue

This Catalogue covers courses leading to the degrees shown below. These degrees have a flexible curriculum which can be built from a wide number of combinations of courses shown in the Catalogue. The Regulations for each degree are published in the University Calendar, which is available online at: [www.glasgow.ac.uk/senate/calendar](http://www.glasgow.ac.uk/senate/calendar). Digests of regulations for degrees in the Faculty of Arts and for the MA (Social Sciences) degree are also available. The normal period of study for full-time students is shown in brackets for each degree. Many of the degrees may be studied part-time – see the University Calendar for details.

#### Arts

MA: Master of Arts

*Designated Degree in General Humanities (three years)*

*Honours Degree (four years)*

*Honours degree in a foreign language or languages (five years)*

BMus: Bachelor of Music

*General Degree (three years)*

*Honours Degree (four years)*

## Introduction

BD: Bachelor of Divinity  
*Degree in Theology and Religious Studies (three years)*  
*Honours Degree (four years)*

BD (Ministry): Bachelor of Divinity (Ministry)  
*General Degree (four years)*  
*Honours Degree (four years)*

MA (Theology and Religious Studies): Master of Arts in Theology and Religious Studies  
*General Degree (three years)*  
*Honours Degree (four years)*

### Law, Business & Social Sciences

MA (SocSci): Master of Arts (Social Sciences)  
*General Degree (three years)*  
*Honours Degree (four years)*  
*Honours Degree with a Language (five years)*

LLB: Bachelor of Laws  
*Ordinary Degree (three years)*  
*Honours Degree (four years)*  
*Honours Degree with a Language (four years)*

BAcc: Bachelor of Accountancy  
*Ordinary Degree (three years)*  
*Honours Degree (four years)*

### Science

BSc: Bachelor of Science  
*Designated Degree (three years)*  
*Honours Degree (four years)*  
MSci: Master in Science  
*Advanced Honours Degree (five years)*

## Designated Degrees

The **Faculty of Arts** offers Designated Degrees in General Humanities in the following areas:

Ancient Studies  
Creative and Cultural Studies  
European Civilisation  
Historical Studies  
Linguistic Studies  
Literary Studies  
Philosophical Studies  
Scottish Studies

Please see the Faculty Course Lists on page 230 for details of course prescriptions required to satisfy each of the designated degree requirements. As well as the courses offered by the Faculty of Arts, many courses available in the Faculties of Science, and Law, Business & Social Sciences might contribute to a degree in the Faculty of Arts, as may some courses offered through the Faculty of Education, including the Department of Adult & Continuing Education. For further information please contact your Adviser of Studies.

In the **Faculties of Science** the successful completion of the first three years of any honours course qualifies a student for a designated degree in that subject. In addition there are specific third year programmes leading to

designated degrees in the following subjects. For further information contact the department listed below.

Animal Biology (Institute of Biomedical & Life Sciences)  
Archaeological Studies (Department of Archaeology)  
Astronomy (Combined Only) (Department of Physics & Astronomy)  
Biology and Chemistry (Department of Chemistry and Institute of Biomedical & Life Sciences)  
Biomolecular Sciences (Institute of Biomedical & Life Sciences)  
Chemistry (Department of Chemistry)  
Chemistry and Mathematics (Departments of Chemistry and Mathematics)  
Chemistry with Medicinal Chemistry (Department of Chemistry)  
Chemistry with Forensic Studies (Department of Chemistry)  
Computing Science (Department of Computing Science)  
Earth Science (Department of Geographical & Earth Sciences)  
Environmental Chemistry (Department of Chemistry)  
Geography (Department of Geographical & Earth Sciences)  
Geography, Chemistry and the Environment (Department of Geographical & Earth Sciences)  
Human Biology (Institute of Biomedical & Life Sciences)  
Infection Biology (Institute of Biomedical & Life Sciences)  
Mathematical & Statistical Studies (Departments of Mathematics and Statistics)  
Mathematics (Department of Mathematics)  
Physics (Department of Physics & Astronomy)  
Physics with Astrophysics (Department of Physics & Astronomy)  
Psychological Studies (Department of Psychology)  
Sports Science (Institute of Biomedical & Life Sciences)

## Credit Bearing Courses in the Department of Adult & Continuing Education

The Department of Adult & Continuing Education offers a wide range of credit-bearing courses which can count towards a degree in the Faculties of Science. For further information contact the Principal Adviser of Studies in Science.

A course from the Department of Adult & Continuing Education should not normally form part of a full-time curriculum for a student in the Faculties of Science.

In the **Faculty of Law, Business & Social Sciences** students may complete the MA (Social Sciences) General Degree with Level 3 non-Honours study in most subjects offering an Honours degree in Social Sciences. Full details of the requirements to complete the degree are listed in the University Calendar.

## Part-time study towards a degree

### Daytime part-time study

Most courses offered by the Faculty of Arts, Faculties of Science and some in the Faculty of Law, Business & Social Sciences are available for study during the day, along with those offered by the Department of Adult & Continuing Education. For those students wishing to study part-time during the day, the normal timetable for daytime study applies.

### Evening part-time study

The Department of Adult & Continuing Education also offers a wide range of credit-bearing courses for study in the evening, many of which can count as credit towards a degree. These courses are detailed in the section for the Department of Adult & Continuing Education.

For information on the courses available for daytime part-time study please refer to the Part-time Degree Study Guide. Please contact Dawn Porecki, Assistant Director in the Recruitment, Admissions & Participation Service, 12 Southpark Terrace, University of Glasgow G12 8LG, telephone: 0141 330 3177 email: [d.porecki@admin.gla.ac.uk](mailto:d.porecki@admin.gla.ac.uk)

## How to obtain information on other degrees offered by the University

This Course Catalogue contains information about courses only in the Faculties of Arts, Law, Business & Social Sciences and Science. For information about courses and degree programmes in other Faculties (namely Education, Engineering, Medicine and Veterinary Medicine), and in the University's Associated Institutions, please contact the people/offices below or consult the University's Undergraduate Prospectus.

### Education (for the degrees of Bachelor of Education in Primary Education, MA Education with Primary Teaching and MA in Religious and Philosophical Education with Teaching Qualifications)

Miss Vanessa Loison, Faculty of Education, St Andrew's Building, telephone: 0141 330 2463, email: [admissions@educ.gla.ac.uk](mailto:admissions@educ.gla.ac.uk)

#### *Bachelor of Technological Education*

Mrs Joyce Scobie (0141 330 3097, email: [j.scobie@elec.gla.ac.uk](mailto:j.scobie@elec.gla.ac.uk)) or Mr Eddie Mack, Robert Clark Centre for Technological Education, St Andrew's Building, University of Glasgow, G3 6NH, telephone: 0141 330 3092, email: [e.mack@educ.gla.ac.uk](mailto:e.mack@educ.gla.ac.uk)

#### *Bachelor of Technology Studies in Technology and Management*

Mrs Joyce Scobie (0141 330 3097, email: [j.scobie@elec.gla.ac.uk](mailto:j.scobie@elec.gla.ac.uk)) or Dr Maggie Pollock, Robert Clark Centre for Technological Education, St Andrew's Building, University of Glasgow, G3 6NH, telephone: 0141 330 3092, email: [m.pollock@mech.gla.ac.uk](mailto:m.pollock@mech.gla.ac.uk)

### Engineering

#### *Aerospace Engineering:*

Ms Audrey Queen, Department of Aerospace Engineering Departmental Secretary, James Watt (South) Building, University of Glasgow, Glasgow, G12 8QQ, telephone: 0141 330 3575, email: [aqueen@aero.gla.ac.uk](mailto:aqueen@aero.gla.ac.uk)

#### *Civil Engineering:*

Ms Amanda Smith, Department of Civil Engineering, University of Glasgow, Glasgow, G12 8QQ, telephone: 0141 330 5201, email: [a.smith@civil.gla.ac.uk](mailto:a.smith@civil.gla.ac.uk)

#### *Electronics & Electrical Engineering:*

Dr Scott Roy, Department of Electronics & Electrical Engineering, University of Glasgow, Glasgow, G12 8QQ, telephone: 0141 330 5218, email: [s.roy@elec.gla.ac.uk](mailto:s.roy@elec.gla.ac.uk)

#### *Mechanical Engineering:*

Ms Jane Livingston, Department of Mechanical Engineering, University of Glasgow, Glasgow, G12 8QQ, telephone: 0141 330 4342, email: [j.livingston@mech.gla.ac.uk](mailto:j.livingston@mech.gla.ac.uk)

#### *Naval Architecture & Marine Engineering:*

Simon Craufurd, Henry Dyer Building, John Anderson Campus, University of Strathclyde, Glasgow, telephone: 0141 548 3875, email: [s.craufurd@na-me.ac.uk](mailto:s.craufurd@na-me.ac.uk)

### Medicine

#### *Medicine:*

Ms Coleen Doherty, Admissions Administrator, Wolfson Medical School Building, University Avenue, telephone: 0141 330 6216, email: [admissions@clinmed.gla.ac.uk](mailto:admissions@clinmed.gla.ac.uk)

#### *Dentistry:*

Linda McGinness, Admissions Secretary, Glasgow Dental Hospital & School, 378 Sauchiehall Street, Glasgow G2 3JZ, telephone: 0141 211 9708, email: [l.mcginness@dental.gla.ac.uk](mailto:l.mcginness@dental.gla.ac.uk)

#### *Nursing:*

Karen Payne, Undergraduate Secretary, Nursing & Health Care, 59 Oakfield Avenue, University of Glasgow, Glasgow G12 8LW, telephone: 0141 330 4804, email: [k.payne@clinmed.gla.ac.uk](mailto:k.payne@clinmed.gla.ac.uk)

### Veterinary Medicine

Joyce Wason, Admissions Convenor and Student Affairs Co-ordinator, University of Glasgow Faculty of Veterinary Medicine, Bearsden Road, Glasgow G61 1QH, email: [j.wason@vet.gla.ac.uk](mailto:j.wason@vet.gla.ac.uk)

### Dumfries Campus

Recruitment Officer, University of Glasgow, Rutherford/McCowan Building, Crichton University Campus, Dumfries DG1 4ZL, telephone: 01387 702131, email: [admissions@crichton.gla.ac.uk](mailto:admissions@crichton.gla.ac.uk)

### The Glasgow School of Art (for degrees in Architecture, Design and Fine Art)

Academic Registry, The Glasgow School of Art, 167 Renfrew Street, Glasgow, G3 6RQ, telephone: 0141 353 4512/4514, email: [info@gsa.ac.uk](mailto:info@gsa.ac.uk)

**Scottish Agricultural College (SAC) (for degrees in Activity Tourism, Agricultural Science, Agriculture, Applied Animal Science, Countryside Management, Green Technology, Horticulture, Outdoor Pursuits Management, Rural Business Management, Sports Coaching & Development, and Sport & Recreation Management)**

The Recruitment & Admissions Office, SAC, Auchincruive Estate, Ayr, KA6 5HW, telephone: 0800 269453, email [recruitment@sac.ac.uk](mailto:recruitment@sac.ac.uk)

**The Free Church of Scotland (Bachelor of Theology)**

Free Church College, The Mound, Edinburgh EH1 2LS, telephone: 0131 226 5286, email: [contact@freescotcoll.ac.uk](mailto:contact@freescotcoll.ac.uk)

## Other useful sources of information

**The University's world-wide web site:** provides a wide variety of information about the University and its faculties, departments and courses:

[www.glasgow.ac.uk](http://www.glasgow.ac.uk).

**Undergraduate Prospectus:** gives you information about entrance requirements to the University, how to apply, the facilities the University has to offer and more besides. You can obtain a copy from: Recruitment, Admissions & Participation Service, University of Glasgow, Glasgow, G12 8QQ, telephone: 0141 330 3282 or browse through it online:

[www.glasgow.ac.uk/undergraduate/prospectus](http://www.glasgow.ac.uk/undergraduate/prospectus).

**Graduate Prospectus:** gives information about Faculties and Graduate schools, as well as departmental research interests and themes. It also contains information about the University's taught postgraduate courses. You can obtain a copy from: International & Postgraduate Service, No 1 The Square, University of Glasgow, Glasgow, G12 8QQ, telephone: 0141 330 4440 or browse through it online at:

[www.glasgow.ac.uk/postgraduate/prospectus](http://www.glasgow.ac.uk/postgraduate/prospectus)

**Courses for adults:** a number of courses available in the Department of Adult & Continuing Education are contained in the Catalogue on pages 9 – 17. Further information on these, and other, Adult & Continuing Education courses, including language courses, can be obtained from the Department. Courses may be timetabled for day, evening or weekends. Contact: the Enrolment Secretary, DACE, St Andrew's Building, 11 Eldon Street, Glasgow G3 6NH or browse online at:

[www.glasgow.ac.uk/adulteducation](http://www.glasgow.ac.uk/adulteducation)

**Disability statement for students:** this states the University's policy regarding students with disabilities. For a copy please contact: Student Disability Adviser, John McIntyre Building, University of Glasgow, G12 8QQ, telephone: 0141 330 5497, email: [studentdisability@gla.ac.uk](mailto:studentdisability@gla.ac.uk) or browse online at:

[www.glasgow.ac.uk/studentdisability](http://www.glasgow.ac.uk/studentdisability).

**Glasgow University Library:** produces a leaflet that will introduce you to the library and the facilities it offers. For a copy please contact: The Enquiry Desk, Glasgow University Library, University of Glasgow, Glasgow, G12 8QQ, telephone: 0141 330 6704, email: [library@lib.gla.ac.uk](mailto:library@lib.gla.ac.uk) or browse online at:

[www.glasgow.ac.uk/library](http://www.glasgow.ac.uk/library).

**A guide to Registry services:** contains information about the services the Registry provides for students. All the information contained in the guide as well as lots more is available online at: [www.gla.ac.uk/registry](http://www.gla.ac.uk/registry). For further information please contact: The Registry, Gilbert Scott Building, University of Glasgow, Glas-

gow, G12 8QQ, telephone: 0141 330-4245, email: [reg.enq@admin.gla.ac.uk](mailto:reg.enq@admin.gla.ac.uk).

**International student's handbook:** has been compiled to help international students through most of the formalities and procedures both before and after arrival in Glasgow and to offer advice and support. This is available online at:

[www.glasgow.ac.uk/publications/ish](http://www.glasgow.ac.uk/publications/ish). For further information please contact the International Student Advisers email: [a.mcgregor@admin.gla.ac.uk](mailto:a.mcgregor@admin.gla.ac.uk) or [k.heggie@admin.gla.ac.uk](mailto:k.heggie@admin.gla.ac.uk).

**Incoming Study & Exchange students:** course information contained within this Catalogue is relevant to students coming to the University of Glasgow for a Study Abroad or Exchange period. Further information on the Study Abroad & Exchange Programme can be found at:

[www.glasgow.ac.uk/international/studyabroadprogramme](http://www.glasgow.ac.uk/international/studyabroadprogramme).

For further information please contact International & Postgraduate Service, No. 1 The Square, University of Glasgow, Glasgow, G12 8QQ, telephone: +44 (0)141 330 6516, fax: +44 (0)141 330 4045, email: [c.mcgowan@admin.gla.ac.uk](mailto:c.mcgowan@admin.gla.ac.uk)



## List of departments offering courses in this catalogue

Accounting & Finance  
Adult & Continuing Education  
Archaeology  
Biomedical & Life Sciences  
Celtic  
Central & East European Studies  
Chemistry  
Classics  
Computing Science  
Economic & Social History  
Economics  
Educational Studies  
Electronics & Electrical Engineering  
English Language  
English Literature  
Geographical & Earth Sciences  
History  
History of Art  
Humanities Advanced Technology & Information Institute  
Immunology, Infection & Inflammation  
Law, School of  
Management Studies  
Mathematics  
Music  
Philosophy  
Physics & Astronomy  
Politics  
Psychology  
Public Policy (taught within the Department of Urban Studies)  
School of Modern Languages & Cultures  
- French  
- German  
- Hispanic Studies  
- Italian  
- Slavonic Studies  
Scottish Literature  
Sociology, Anthropology & Applied Social Sciences  
Statistics  
Theatre, Film & Television Studies  
Theology & Religious Studies

## Guide to Course Entries

### DEPARTMENT

The department that teaches the course. Some courses are taught by more than one department: consult the Course Index at the end of the Catalogue to identify the department under which the course is listed.

### COURSE NAME/CODE

Most Honours programmes are essentially two year courses taught over levels 3 and 4. Where this is the case, the course description appears under the level 3 entry and the level 4 entry references this.

### CREDITS

Number of credits assigned to each course. 360 credits are required for a General/Designated Degree (except for the BD (Ministry) General Degree, for which 480 credits are required). 480 credits are required for an Honours Degree (excluding credit for the year abroad spent by students studying a foreign language at Honours Degree level). Students who commenced study in the Faculty of Arts or on the MA (Social Sciences) prior to October 2000 should consult their Adviser of Studies to confirm the credit rating of their degree.

### LEVEL

Except for Level 1 courses, courses normally have one or more prerequisites (see Requirements of Entry below) at the previous level: e.g. Level 2 courses have prerequisites at Level 1, Level 3 courses have prerequisites at Level 2, etc. Some Honours courses are shown as Level 3 / 4: these are essentially two year courses with prerequisites at Level 2 (and sometimes also at Level 1).

### WHEN TAUGHT

Indicates when a course is taught during the academic year:

“**Full Year**” is a thirty week teaching and examination period running throughout semesters 1 and 2.

“**Semester 1**” is a fifteen week teaching and examination block running from September to January in the first half of the academic session.

“**Semester 2**” is a fifteen week teaching and examination block running from January to June in the second half of the academic session.

### TIMETABLE

The days and times of classes and the method of teaching/learning used, including laboratory work, field work, tutorials, etc. Please note that this information can be subject to change. Up to date information can be obtained from the Department.

### REQUIREMENTS OF ENTRY

The requirement guaranteeing entry to the course, usually involving courses taken in earlier years (prerequisites). For admission to Honours, Faculty requirements must be met in addition – see Degree Regulations in the University Calendar. If an entry requirement involves a course taken in the same year, it is termed a co-requisite.

### CO-REQUISITE

An entry requirement that requires a course to be taken in the same year.

### EXCLUDED COMBINATIONS

Courses that are mutually exclusive as part of a minimum graduating curriculum, i.e. only one of the courses can count towards your degree.

### ASSESSMENT

How the course is assessed – includes all examinations, essays, project work and other coursework that counts toward the final grade or Honours classification together with the weighting of each.

### DEGREE EXAMINATION TAKEN IN

The month(s) the degree examination is usually held.

### RESIT EXAMINATION TAKEN IN

The month(s) the resit examination is usually held.

### AIMS

The aims of a course are a statement of what the department is setting out to provide educationally for students taking the course. As well as aims, for each course there are also intended learning outcomes which indicate what students should know and be able to do at the end of the course. Learning outcomes are included in course documentation provided by departments to students taking a course.

### HONOURS COURSE PRESCRIPTION

A description of what Honours courses are necessary to satisfy the requirements for the Honours degree concerned.

### COURSE CO-ORDINATOR

The member of staff responsible for the course including its administration.

## Course Entries

### Accounting & Finance

#### SBHU BUSINESS REPORTING & FINANCIAL MANAGEMENT 1

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Wednesday 12-1pm and Thursday 12-1pm, tutorials tba.

*Requirements of entry:* There are no pre-requisites for entry to this course.

*Excluded Courses:* Students cannot take this course along with Financial Accounting 1

*Assessment:* Class Test (a 45 minute objective test in the last lecture slot in week 26) = 50%, Degree examination (1½ -2 hours) = 50%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The general aims of this course are: 1) to provide students with a challenging and interesting introduction to the ideas and practices of financial accounting, 2) to examine the collection and processing of accounting data in order to prepare financial statements, 3) to examine the concepts that underpin financial accounting, 4) to examine the use of financial accounting information. 5) to introduce students to the social and political role of accounting.

*Course Co-ordinator:* Mrs Suzanne McCallum

#### 4YJU ENVIRONMENT OF INTERNATIONAL BUSINESS

*Credits:* 15 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Seminars are held during Semester 1 each Friday from 2.00 pm to 5.00 pm.

*Assessment:* Coursework Project 40%; Degree examination: 60%. No exemptions.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The overall aim of the course is to give students a broad and critical understanding of the international business environment within which multinational corporations operate, and to understand the major strategic planning issues facing MNC management. Students will develop critical skills in assessing the impact of the business environment on real-world company situations. The emphasis throughout is on understanding and being able to articulate the fundamental issues involved.

*Course Co-ordinator:* Dr Shameen Prashantham

#### 6KHU FINANCE 1

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures - Tuesday 1.00 - 2.00 pm, Wednesday 11.00 - 12.00 noon. One tutorial over 6 weeks.

*Assessment:* One 2-hour degree paper (75%), plus class test (25%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is a compulsory first year B.Acc course which introduces students to the fundamentals of Corporate Finance. It focuses on identifying the financial objective of the firm and on understanding how the principal financial decisions should be made within the firm in order to achieve this objective. Coverage will include sources of company finance, an introduction to capital markets and the principles of security valuation, methods of investment appraisal and an overview of portfolio theory. These ideas are developed in the second year course, Finance 2, and together these two courses provide the basis necessary for students who wish to take Finance options at Honours level.

*Course Co-ordinator:* Mr Michael Keeley

#### 3BLU FINANCIAL ACCOUNTING 1

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Monday 10.00 - 11.00 am; Tuesday 12.00 - 1.00 pm, Thursday 1.00 - 2.00 pm. Tutorials: one tutorial per week. Plus computer laboratories.

*Requirements of entry:* This course is only available to students in the Department of Accounting and Finance. For alternative courses see Business Reporting and Financial Management and Management Accounting and Finance.

*Assessment:* Assessment will be based on coursework and final degree examinations. The coursework consists of one computer based project, which will account for 25% of the total assessment. The degree examinations will account for the remaining 75% of the total assessment.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The general aim of this course is to provide a challenging and interesting introduction to the theory and practice of financial accounting. Coverage will include discussion of the role of financial accounting within society. Exploring the collection and processing of accounting data in order to prepare financial statements, with reference to both the underlying concepts and the use of that information. The course also includes the use of computers largely through computer assisted learning and coursework. Finally, the course aims to help you develop certain personal transferable skills, such as listening and taking notes in lectures, gathering, organising and interpreting information and working with others. This will be achieved in various ways including your participation in tutorials and computer laboratories.

*Course Co-ordinator:* Mrs Suzanne McCallum

#### 5LGU INTRODUCTION TO BUSINESS STATISTICS 1

*Credits:* 15 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* 2 Lectures per week, Wednesday - 10.00 am, Friday - 11.00 am. 4 Tutorials + 1 Lab throughout the Semester.

*Assessment:* One 2-hour paper (75%); coursework (25%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The aim of the course is to enable students to develop an understanding of the introductory statistical concepts and quantitative methods for data analysis, which are used in the study and practice of accounting and finance. The investigation of the statistical and quantitative concepts will take place in a decision-making context, which focuses on the variety of business problems found in the field of accounting and finance.

*Course Co-ordinator:* Mrs Margaret Milner

### **3CGU MANAGEMENT ACCOUNTING & FINANCE 1**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures will be held on Wednesday and Thursday lunchtimes from 12.00 - 1.00 pm. Tutorials - 1 tutorial over 4 weeks.

*Requirements of entry:* Students cannot take this course in conjunction with or if they have already taken Management Accounting 1. Students will be assumed to have sufficient experience in the use of computers to use simple PC based Computer Assisted Learning Materials.

*Assessment:* The summative assessment for this course will be based on the aggregate of marks awarded for course work (test assessment) and the final degree examination. 50% coursework and 50% final degree examination.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course aims to provide students with an introduction to management accounting and investment appraisal so as to help them understand the role of accounting and financial information within management and improve their knowledge of the use of financial information in decision making.

*Course Co-ordinator:* Prof David Marginson

### **3BPU MANAGEMENT ACCOUNTING 1**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures and Workshops: normally Monday (3.00-5.00 pm) and Tuesday (3.00-4.00 pm). Weekly tutorials TBA (not all sessions will be used in all weeks) 1 Tutorial over 8 weeks.

*Requirements of entry:* Basic IT Skills. This course is only available to students in the Department of Accounting and Finance. For alternative courses see Business Reporting and Financial Management and Management Accounting and Finance.

*Assessment:* The course work and / or class exams will account for 30% and the degree examination (2 hours) for 70% of the total assessment.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The general aim of this course is to provide you with an introduction to Cost and Management Accounting. The course is taught in the context of principles and theories relevant to the study of cost and management accounting systems, where the teaching of computational skills is aimed at relating accounting techniques to these theoretical frameworks. The course is set within an organisation theory approach to management accounting and specifically identifies the need to utilise different financial and non-financial data for different management purposes. The course also aims to provide you with skills, which will be used in the working environment such as gathering, organising and interpreting information and working with others.

*Course Co-ordinator:* Mr Christopher Coles

### **5MJV BUSINESS STATISTICS 2**

*Credits:* 15

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* 2 Lectures per week - Wednesday 10am and Friday 11am. Tutorials TBA (will not run every week and will be a mix of computational/discussion sessions and computer laboratories).1 tut for 4 weeks, 1 Lab for 2 weeks.

*Requirements of entry:* Introduction to Business Statistics 1

*Assessment:* One 2-hour paper (75%); project (25%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aim of this course is to enable students to develop an understanding of the applications of statistical concepts and quantitative methods in the study and practice of accounting and finance. The course will cover a variety of statistical techniques and quantitative models that support decision-making processes. Models and modelling process will be a prime focus.

*Course Co-ordinator:* Mrs Suzanne McCallum

### **6KHV FINANCE 2**

*Credits:* 15

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* One two-hour lecture per week plus tutorials TBA. Lectures Monday 9.00 to 11.00 am, Tutorials 1 per week over 6 weeks.

*Requirements of entry:* Students should normally have attained a pass at minimum Grade D in Finance 1 or equivalent.

*Assessment:* One 2-hour paper (75%) and group project (25%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course builds on the ideas introduced in Finance 1 and Finance 2 aims to provide students with

a thorough understanding of corporate finance, while also introducing aspects of capital markets finance. Together, Finance 1 and 2 aim to provide students with the core finance knowledge required of BAcc students. Finance 2 also aims to provide students with a thorough foundation for the study of subsequent optional finance courses. Finance 2 aims to consolidate ideas introduced in Finance 1 by applying them to specific special topics such as leasing, acquisitions and options, as well as introducing the analysis of the financing decision. The course emphasises the practical implications of finance theory and its application in financial decision-making.

*Course Co-ordinator:* Mr Christopher Coles

### 3BLV FINANCIAL ACCOUNTING 2

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Tuesday (10-11am) and Friday (9-11am). Tutorials plus computer assisted learning (CAL) hours TBA.

*Requirements of entry:* Successful completion of a level 1 financial accountancy course, normally Financial Accounting 1.

*Assessment:* The assessment will be based on the aggregate of marks awarded for the course-work and / or class exam(s) (25%) and the degree examination (75%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This is an intermediate course that builds on the knowledge gained in Financial Accounting 1. It covers a range of advanced financial accounting concepts and encourages students to think about the theory behind accounting practice. Emphasis will be placed on the reasons behind financial accounting procedures, rather than simply the mechanics of transactions. The course aims to: (i) advance students' ability to prepare accounts in accordance with relevant standards; (ii) encourage students to apply a critical and analytical approach to accounting, and (iii) enhance students' analytical and presentational skills.

*Course Co-ordinator:* Mr Gregory Stoner

### 471B INFORMATION AND COMPUTER SYSTEMS BACC

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* 2 lectures per week, Monday 12.00 noon, Wednesday 12.00 noon. Weekly tutorials/computer labs TBA.

*Requirements of entry:* Financial Accounting 1 and Management Accounting 1, or similar and Basic IT Skills.

*Assessment:* One 3-hour paper (75%). Course work Project (with group work) (25%) Summative assessment (assessment that contributes towards the formal assessment of course performance) is a combination of coursework and the final degree examination, the details of which are set out in the section on 'Method of Final Assessment'

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The principal aim of this course is to enable students to develop an understanding of the nature and role of information systems within organisations, together with an awareness of the practical implications of some of the crucial aspects of the working and development of information systems. As most organisations use computers to aid, or form the basis of, their information systems it is essential that students have a rudimentary knowledge of computers and Information Technology (IT) and are aware of the problems and benefits associated with the use of computers and IT to perform organisational/business tasks. Consequently, secondary aims of the course include: to ensure that students are acquainted with a basic core knowledge of computers and IT, to provide students with an understanding of, and 'hands-on' IT skills in the use of, a PC based database management system, and to provide an understanding of the principal effects that computers and IT may have on information systems within organisations. It is important to stress that, so far as this course is concerned, computing and IT knowledge is NOT an 'end' in itself but is an important element in the understanding of contemporary information systems. In addition to the specific subject based aims noted above, the course also aims to enhance students' critical and analytical skills and to further develop group and interpersonal skills, through the teaching and assessment of the course.

*Course Co-ordinator:* Mr Gregory Stoner

### 3BPV MANAGEMENT ACCOUNTING 2

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* 2 lectures per week. Thursday 9-11am; Friday 10-11am. 1 tutorial held fortnightly over 8 weeks total.

*Requirements of entry:* Successful completion of a first level management accounting course; B.Acc. students must normally have a pass in Accountancy 1 or Management Accounting 1.

*Assessment:* The assessment for this course will be based on the aggregate of marks awarded: Personal coursework 25%; 2 hour degree examination 75%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are to help students to develop a thorough knowledge and understanding of the theory, principles, concepts and techniques used in management accounting primarily to assist managers in running a more effective business; and, to critically examine the suitability and effectiveness of management accounting approaches for a variety of management challenges.

*Course Co-ordinator:* Dr Kirsten Kininmonth

### 345B TAXATION

*Credits:* 30

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: Semester 1 Monday 9.00-11.00am, Tuesday 9.00-10.00 am Semester 2 Monday 4.00-5.00 pm, Tuesday 4.00-5.00 pm, Thursday 4.00-5.00 pm and 1 tutorial per week over 10 weeks.

*Requirements of entry:* Financial Accounting 1 and Management Accounting 1.

*Co-requisites:* None

*Excluded Courses:* 8ZLV Tax Law 2

*Assessment:* Assessment: based on class exam in Semester 1, group coursework in Semester 2 and final degree examinations. The class exam will account for 25% and the coursework will also account for 25% with the balance of 50% based on the final degree exam.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are: (1) to explain the most important elements of the principal UK taxes; (2) to develop a critical understanding of the different sources of tax law; (3) to provide students with the knowledge and skills necessary to calculate income tax, corporation tax, capital gains tax, inheritance tax and value added tax liabilities; (4) to introduce students to the legal skills relevant to the interpretation of fiscal legislation; (5) to meet the accreditation requirements of the appropriate accountancy professional bodies.

*Course Co-ordinator:* Ms Elspeth Napier

### **91TC ACCOUNTING & BUSINESS ETHICS 3**

*Credits:* 15

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Most seminars will be held each Monday during Semester 2 from 12-2pm.

*Requirements of entry:* Prerequisites for the course will normally be a pass in Financial Accounting 2 however, entry to the course will be at the discretion of the course coordinator.

*Assessment:* Assessment of the course will be based on one piece of coursework (40%) and a degree exam in May/June (60%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course has three key aims: firstly to give students the opportunity to explore the ethical foundations upon which accounting practice is based; secondly to study the way in which ethical decision making takes place within the context of business organisations; and finally to give students the opportunity to explore a number of different ethical theories and apply those theories in the analysis of business ethics dilemmas.

*Course Co-ordinator:* Prof Kenneth McPhail

### **87PJ ACCOUNTING & CIVIC RESPONSIBILITY**

*Credits:* 30

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* One two-hour lecture per week for ten weeks in semester 1 (September-December); one one-

hour coaching session per group per week for five weeks in semester 2 (January-March); otherwise independent study.

*Requirements of entry:* A pass at a minimum of grade D in Management Accounting 2 (or equivalent) and in Information and Computer Systems (or equivalent) will normally be prerequisite for entry to the course. Students will also be strongly advised to take Accounting for Management Control in the third year of their study.

*Co-requisites:* There are no co-requisites.

*Excluded Courses:* None

*Assessment:* Summative assessment will be based on a group project report which accounts for 40% of each student's overall grade, which is to be submitted by the end of semester 2 ; a group presentation reflecting a further 10%, which is scheduled to be given at the end of semester 2 ; and a 2-hour degree examination in May / June accounting for the remaining 50% of the total summative assessment in the course. With respect to the assessment of the group project report, a self and peer assessment system will be utilised, which will allow the course coordinator(s) to assess not only the product or outcome of the group's work, but more crucially the process(es) through which this outcome has been produced by the group. A special form, which will require students in each group to assess the relative contribution made in each of these areas by each of the members of their group (including themselves), will be specifically designed. This self and peer assessment form will be requested of each group member together with the submission of the group report, and in cases where there is agreement within the group that a specific member had a significantly smaller contribution, a meeting will be arranged with the group to explore the situation and consider differential marking for group members. In terms of the assessment of the group oral presentation, all students in the group will typically receive the total mark assigned to the group presentation.

*Degree Examination taken in:* April/May

*Aims:* The course has four key aims : firstly, to promote the integration and critical evaluation of theoretical knowledge and technical skills already acquired during students' previous years' accounting education through real-world observation and the application of this knowledge and skills in practice. Secondly, to assist in the development of students' basic academic (reading, writing, oral and written presentation of ideas), higher-level thinking (problem-solving, decision-making, and analytical, synthetic and critical thinking), and interpersonal (listening, communicating and team-working) skills by allowing them to deal with unstructured real-world problems. Thirdly, to increase students' awareness of the regulatory context within which charities and other non-governmental organisations (NGOs) operate and the different issues these organisations face. Last, but not least, to instill in students a sense of civic responsibility and community involvement, of caring for others and 'giving back' to one's community by engaging them in a meaningful consulting service to local not-for-profit agencies.

*Honours Course Prescription:* None

*Course Co-ordinator:* Dr Georgios Kominis

**93WW ACCOUNTING FOR MANAGEMENT CONTROL***Credits:* 15*Level:* 3*When Taught:* Semester 2 (January - March)*Timetable:* 1 Lecture per week (2-4pm) and Tutorials fortnightly.*Requirements of entry:* Management Accounting 2*Assessment:* One 2-hour exam paper (Ordinary) or one 3-hour exam paper (Hons) worth 75% and one group case study worth 25%.*Degree Examination taken in:* April/May

*Aims:* Modern business enterprises operate in dynamic complex environments where the management control system (MCS) must be responsive and flexible. Using contingency theory, transaction cost economics and motivation theory, an analysis of the interaction between the MCS and managerial behaviour is undertaken. This is effected through an MCS framework which considers the choice of performance indicators, targets, rewards and learning relative to corporate strategy. Specific topics such as EVA, balanced score card, transfer pricing, allocation and strategic investment decisions enable the practical and theoretical dimensions to be considered simultaneously. The course aims to improve understanding of the MCS and the design choices available; critical appraisal of literatures; competence in numerical computation; development of interpersonal and group skills.

*Course Co-ordinator:* Prof Clive Emmanuel**91JK ACCOUNTING HISTORY***Credits:* 15*Level:* 3*When Taught:* Semester 1 (September - December)*Timetable:* Two hours of seminars per week (Wednesday 10-12 noon), weekly tutorials.*Requirements of entry:* Normally a pass at a minimum of grade D in Financial Accounting 2 and Management Accounting 2 will be required.*Assessment:* The assessment for this course will be based on the aggregate of marks awarded. Group assessment of presentations/essays 40%. 3 hour degree examination 60%.*Degree Examination taken in:* December

*Aims:* The primary aim of this course is to broaden students' perspective and appreciation of the evolution of accounting thought and practice from early civilisation to present times in a comprehensive yet critical manner, within the context of the social, political and economic environment at times. The process of professionalisation in the evolving structure of the accounting profession and its relationship with the state is considered within differing theoretical frameworks. Consideration will be given to the introduction and development of management accounting in organisations and the relationship of theory to practice. In addition students will develop research and analytical skills in accounting history through archival research and critical appraisal of research papers. Key skills will be developed through the group presentations for presentations and participation in seminars and tutorials.

*Course Co-ordinator:* Dr Kirsten Kininmonth**87CG ACCOUNTING HISTORY (SEMESTER 2)***Credits:* 15*Level:* 3*When Taught:* Semester 2 (January - March)*Timetable:* Two hours of seminars per week (Wednesday 10-12 noon), weekly tutorials.*Requirements of entry:* Normally a pass at a minimum of grade D in Financial Accounting 2 and Management Accounting 2 will be required.*Assessment:* The assessment for this course will be based on the aggregate of marks awarded. Group assessment of presentations/essays 40%. 3 hour degree examination 60%.*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* The primary aim of this course is to broaden students' perspective and appreciation of the evolution of accounting thought and practice from early civilisation to present times in a comprehensive yet critical manner, within the context of the social, political and economic environment at times. The process of professionalisation in the evolving structure of the accounting profession and its relationship with the state is considered within differing theoretical frameworks. Consideration will be given to the introduction and development of management accounting in organisations and the relationship of theory to practice. In addition students will develop research and analytical skills in accounting history through archival research and critical appraisal of research papers. Key skills will be developed through the group presentations for presentations and participation in seminars and tutorials.

*Course Co-ordinator:* Dr Kirsten Kininmonth**89KY ADVANCED ACCOUNTING THEORY***Credits:* 15*Level:* 3*When Taught:* Semester 2 (January - March)*Timetable:* 1 lecture per week (Friday 2.00-4.00 pm) and one tutorial per fortnight.*Requirements of entry:* A pass in Financial Accounting 2 (3BLV) or equivalent.*Co-requisites:* None*Excluded Courses:* None*Assessment:* One 2-hour paper (75%) and continuous assessment (25%)*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* The course will provide students with a critical overview of the different approaches to research in financial accounting and the main research areas in financial accounting, and will specifically review : 1) the development of accounting theory and practice and the link between the two; 2) the different bases of accounting theory - alternative methodological approaches and foundation disciplines; 3) the development of accounting policy; and 4) the main research areas in financial accounting research.

*Course Co-ordinator:* Prof Pauline Weetman

### **93WN ADVANCED FINANCIAL ACCOUNTING PRACTICE**

*Credits:* 15 *Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* One Lecture per week (Tuesday 2-4pm). Tutorials will run one per fortnight.

*Requirements of entry:* A pass in Financial Accounting 2 or equivalent.

*Assessment:* Degree examination (75%) and coursework (25%).

*Degree Examination taken in:* December

*Aims:* To critically examine current financial accounting practice for a selection of topics, some of which are controversial. To develop a thorough knowledge and understanding of the accounting principles, concepts, regulations and techniques, applicable to the selected topics.

*Course Co-ordinator:* Dr John McKernan

### **87CM AUDITING THEORY AND PRACTICE**

*Credits:* 15 *Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* One Lecture per week (Monday 12-2pm). One tutorial per fortnight.

*Requirements of entry:* A pass in Financial Accounting 2 or equivalent.

*Excluded Courses:* 93WM Auditing Theory and Practice

*Assessment:* Degree Examination (75%) and coursework (25%).

*Degree Examination taken in:* December

*Aims:* The course will provide students with an introduction to the principles of auditing and auditing techniques. The course will specifically review: 1) the theory of auditing; 2) the practical application of that theory; 3) the regulatory framework for audit; 4) the pressures and problems facing the audit profession.

*Course Co-ordinator:* Dr John McKernan

### **90CB CAPITAL MARKETS THEORY**

*Credits:* 15 *Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* One two hour lecture per week (Monday 2.00-4.00 pm) plus tutorials TBA.

*Requirements of entry:* Students should normally have attained a pass at a minimum Grade D in Finance 2 or equivalent.

*Assessment:* One 3-hour paper (75%) and continuous assessment (25%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The aim of this course is to provide students with a thorough understanding of the nature of financial markets and of the securities that are traded on them. The course stresses the necessity of deciding on the Investment Goals before taking any other decisions. Concepts

of risk, return and valuation are central to developing this understanding, various asset pricing models will be applied to practical investment problems. The tutorials are structured to encourage students to apply the principles taught in the lectures to problems actively arising in the Financial Markets. Whenever possible, current issues in the Financial Markets will be examined to demonstrate how to apply investment principles.

*Course Co-ordinator:* Dr Juliana Jetty

### **93WQ CONTEMPORARY FINANCIAL REPORTING ISSUES**

*Credits:* 15 *Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* One seminar per week, Friday (11-1pm).

*Requirements of entry:* A pass in Financial Accounting 2 or equivalent.

*Assessment:* Degree Examination (60%) and coursework (40%).

*Degree Examination taken in:* December

*Aims:* By examining financial reporting through various critical lenses, this course aims to help students to: 1) develop more critical and theoretically informed evaluative insight into the discipline of accounting and its functioning in society; 2) recognise financial reporting as an interested social practice; 3) critically appreciate what is at stake in certain contemporary financial reporting debates.

*Course Co-ordinator:* Dr John McKernan

### **89KR ENVIRONMENTAL ACCOUNTING, FINANCE AND REPORTING**

*Credits:* 15 *Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Two hours of weekly lectures in Semester 2. Six hourly tutorials in Semester 2 and a student presentation.

*Requirements of entry:* Financial Accounting 2, Management Accounting 2 or Finance 2.

*Excluded Courses:* 90CC Social, Ethical & Environmental Accounting

*Assessment:* 3-hour paper (65%); presentations in seminars (10%) and coursework essay (25%).

*Degree Examination taken in:* April/May

*Aims:* The aim of this course is to develop students' understanding of environmental accountability and in so doing, their ability to critically analyse accounting, finance, reporting and auditing practices. Existing environmental accounting, finance reporting and auditing practices are studied. Emphasis will also be placed on developing the key skills of critical analysis, collecting, organising and interpreting materials, and written and oral communication.

*Course Co-ordinator:* Prof Kenneth McPhail



**92EZ FINANCIAL MARKETS & FINANCIAL INSTITUTIONS***Credits:* 15*Level:* 3*When Taught:* Semester 2 (January - March)*Timetable:* Lectures: every Friday at 12-2pm during Semester 2. Tutorials: TBA*Requirements of entry:* Finance 1 and Finance 2.*Assessment:* Students will be required to submit one piece of written work, which will count for 25% of the total assessment. The remaining 75% will be based on the degree examination.*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* The overall aim of this twenty-hour course is to give students a comprehensive and up to date coverage of the modern theory and practice of financial markets and financial institutions. The course has a strong international dimension. The specific aims of the course are: (1) to understand the nature of the domestic and international markets for capital and financial services and the central role of banks and other financial institutions in these markets. (2) to understand the specific nature of retail, wholesale and corporate banks as independent banks and as constituent elements of a larger universal bank. (3) to understand the specific nature of insurance, pension fund, unit trust and investment trust financial institutions, and their corresponding fund management arms. (4) to understand the common underlying theory (information asymmetry, adverse selection, moral hazard at the level of transactions, and financial intermediation theory at the level of financial institutions) underpinning our understanding of all of these financial institutions. (5) to understand the role of intangibles in intermediation in these financial institutions. (6) to understand how financial institutions play a central role in market based mechanisms for the production of information and the governance of companies. (7) to understand how and why the above financial institutions are regulated in retail and wholesale markets.

*Course Co-ordinator:* Prof John Holland**92GR FINANCIAL STATEMENT ANALYSIS***Credits:* 15*Level:* 3*When Taught:* Semester 2 (January - March)*Timetable:* One seminar per week (Thursday 11-1pm) and tutorials TBA.*Requirements of entry:* Financial Accounting 2 and Finance 2.*Assessment:* Assessment will be by means of group assignment (35%) and a 3-hour exam (65%)*Degree Examination taken in:* April/May

*Aims:* The course presents a theoretically informed analysis of firm value using accounting data. By the end of the course students should be able to undertake a coherent analysis of company performance and potential shareholder value using published accounts. Considerable emphasis is placed on the analysis of published accounts for major UK companies.

*Course Co-ordinator:* Mr Mark Aleksanyan**93WT INTERNATIONAL FINANCIAL ACCOUNTING***Credits:* 15*Level:* 3*When Taught:* Semester 2 (January - March)*Timetable:* One seminar per week, fortnightly tutorials. Tuesday 11-1pm.*Requirements of entry:* Accountancy 2 or Financial Accounting 2 and Management Accounting 2.*Assessment:* Ordinary course: one 2-hour paper; Honours course: 3-hour paper (75%) of total marks. One group coursework assignment (20%); group tutorial presentations (5%).*Degree Examination taken in:* April/May

*Aims:* The aims of this course are: (1) To provide students with an understanding of the nature of, and influences on, financial reporting practices in different countries. Emphasis is placed on the importance of a country's cultural, social, economic, legal and political environment in determining the nature of the rules and regulations which govern its financial reporting practices. (2) To provide students with an understanding of the efforts made by the IASB to harmonise accounting disclosures. (3) To enable students to begin to understand and critically evaluate the economic objectives that underpin the IASB's project. (4) To introduce students to some of the key contemporary accounting issues that the IASB has attempted to address. These issues will change year on year to reflect the current important topics as they emerge.

*Course Co-ordinator:* Prof Kenneth McPhail**96TG INTERNATIONAL FINANCIAL MANAGEMENT***Credits:* 15*Level:* 3*When Taught:* Semester 1 (September - December)*Timetable:* One two hour lecture per week plus tutorials TBA. Thursday 12 noon - 2.00pm.*Requirements of entry:* Students should normally have attained a pass at a minimum of Grade D in Finance 2 or equivalent.*Assessment:* The final assessment for this course will be based on a 2-hour unseen written examination (75%) and the assessable course work (25%).*Degree Examination taken in:* December*Resit Examination taken in:* August/September

*Aims:* The course explores the complexities of corporate financial management in an international setting, where companies are subject to exchange rate risk. Exchange rate theories and their practical implications are analysed, as well as the merit of foreign exchange risk management. The course also aims to provide students with a thorough understanding of international investment and financing decisions. The course emphasises the practical implications of finance theory and its application in international financial management.

*Course Co-ordinator:* Prof Kenneth McPhail

### 1X6D MANAGERIAL ACCOUNTING AND ORGANISATIONAL BEHAVIOUR

*Credits:* 15 *Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Thursday 10:00 - 12:00 pm; tutorials: fortnightly.

*Requirements of entry:* Management Accounting 2

*Assessment:* The assessment for this course will be based on the aggregate of marks awarded: personal coursework 25%; three-hour degree examination 75%.

*Degree Examination taken in:* December

*Aims:* The aim of this course is to make students aware of the organisational context of management accounting and to provide an understanding of developments in managerial accounting theory and practice. The intention is to make students aware of the wider context in which formal accounting controls are set. Thus, the aim is to complement traditional management accounting literatures and widen the scope for a broader study of the subject. The study is widened to encompass the European dimension of theory and practice. The course aims to: improve the knowledge base and understanding of the nature and role of managerial accounting; encourage a critical appraisal of the literatures; develop interpersonal and presentational skills and stimulate research interests and perspectives.

*Course Co-ordinator:* Dr Kirsten Kininmonth

### 91DC RESEARCH METHODOLOGY

*Credits:* 15 *Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* January - March

*Requirements of entry:* There are no prerequisites.

*Co-requisites:* Within the B.Acc degree students are allowed to take the dissertation, which is weighted equivalent to two taught courses as an option.

*Excluded Courses:* Undertaking a dissertation without first completing the Research Methodology course is, normally, not allowed.

*Assessment:* Coursework: (Research Proposal) 30%; Final Examination: 70%.

*Degree Examination taken in:* April/May

*Aims:* The course has three related but separable aims: To provide students with a critical awareness and understanding of the range of different methodological approaches that may be adopted in research, together with an understanding of the beliefs and assumptions that underlie them. To identify the range of research methods that are used in the domains of accounting and finance generally, in order that the merits of different approaches to particular issues can be critically evaluated. To provide students with the background necessary to enable them to formulate and plan their own research and, in particular, their own dissertation.

*Course Co-ordinator:* Prof Clive Emmanuel

### 89MU SOCIAL ACCOUNTING, REPORTING AND FINANCE 3 (ONLY AVAILABLE IN 2008-2009)

*Credits:* 15 *Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Weekly lectures of two hours. Later on in the week a seminar/tutorial.

*Requirements of entry:* Pass at Grade D or higher of one of the following; Financial Accounting 2, Finance 2 or Management Accounting 2.

*Co-requisites:* There are no co-requisites but the course should complement, particularly well, both Environmental Accounting and ABE.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Knowledge-based: The aim of this course is to develop student's understanding of accountability and the place of accounting and social accounting within it. In so doing, the course aims to provide the student with the opportunity to develop their ability to critically analyse accounting, reporting and finance practices. Existing social accounting, reporting and finance practices are studied and the possibilities for new and different forms of accounting are explored. Skill-based: Emphasis will be also be placed on developing the key skills of critical analysis, collecting, organising and interpreting materials, and written and oral communication. In addition, the opportunity to develop reasoning, debating and imaginative skills will be provided.

*Course Co-ordinator:* Prof Kenneth McPhail

### 88CT ACCOUNTING AND LITERATURE

*Credits:* 15 *Level:* 4

*When Taught:* Semester 1 (September - December)

*Timetable:* One Seminar per week, Wednesday (10 - 12 noon)

*Requirements of entry:* Due to the seminar style of the course the size of class will be limited to 20 students. A pass in Financial Accounting 2 or an equivalent will normally be prerequisite for entry to the course. Should demand exceed supply, admission will be based upon performance in Financial Accounting 2.

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* Degree examination (60%) continuous assessment (40%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* Students will be encouraged to see accounts as texts, written, or authored, read, interpreted and criticised in much the same way as any piece of "literature". The course will have certain recurring themes at its core: For example the nature of truth in accounting and literature, the fact versus fiction dichotomy, and the relationship between intention and meaning. This course aims to: (1) enable students to test and explore an important perspective on accounts; that of "accounts as literature"; (2) help students to develop an appreciation of the ways in which our understanding of the nature

and role of accounting might change if we approach it through the lens of literary theory; (3) introduce students to a range of literary theories, help them appreciate how literary theory has developed in recent times, and enable them to bring that theory into a productive confrontation with accounting.

*Course Co-ordinator:* Dr John McKernan

## Adult & Continuing Education

### 9CW7 ANCIENT EGYPTIAN TEXTS 1

*Credits:* 10

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesdays, 19.00-21.00. 11 meetings. One study day (library/museum for example). 12 meetings in total.

*Co-requisites:* None.

*Assessment:* Translation exercises: week 7, 30% Translation exercises: week 10, 30% Examination: end of course, 40%

*Degree Examination taken in:* December

*Resit Examination taken in:* April/May

*Aims:* This course will look at the hieroglyphic monuments of Ancient Egypt, with particular emphasis on funerary inscriptions from the Middle Kingdom, c. 2100-1750 BC. Students will study hieroglyphic writing and the Ancient Egyptian language in order to read various funerary inscriptions. The course will also look at the social life and religion of Ancient Egyptians in order to explain these monuments. Particular emphasis will be put on using real monuments as primary sources for the study of Ancient Egypt.

*Course Co-ordinator:* Dr Angela McDonald

### 9CX7 ANCIENT EGYPTIAN TEXTS 2

*Credits:* 10

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Tuesdays, 19.00-21.00. 11 meetings. One study day (library or museum). 12 meetings in total.

*Requirements of entry:* Students enrolling for this course would normally have completed Course 9CW7 (Ancient Egyptian Texts 1).

*Co-requisites:* None.

*Assessment:* Translation exercises: week 7, 30% Translation exercises: week 10, 30% Examination: end of course, 40%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course builds upon skills and knowledge acquired in Ancient Egyptian Texts 1. We will continue to look at and read the hieroglyphic monuments of Ancient Egypt, including funerary inscriptions and royal inscriptions.

*Course Co-ordinator:* Dr Angela McDonald

### 1XM7 CLASSICAL GREEK CIVILISATION 1B

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Mondays, 19.30-21.30. 21 meetings.

*Requirements of entry:* None

*Assessment:* Two essays (both weighted at 25% of final grade). One final unseen exam - 2 hours - (50% of final grade).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The Classical Greek Civilisation course is designed as two separate courses, 1A and 1B. Ideally Classical Greek Civilisation 1A is taken in the first year of study and Classical Greek Civilisation 1B in the second year of study. However, both courses may be taken independently, or in reverse order provided the student who takes course 1B undertakes some additional background reading. The course will provide a solid foundation for study of the subject at a higher level, but it will also offer the opportunity for useful background study to those whose principal area of study lies elsewhere. The course is multi-disciplinary in character: history, literature, art and philosophy will all be studied. In all of these areas the contribution of Greece to the development of later Western culture has been immense. Study will be based on English translations of Classical Greek authors.

Classical Greek Civilisation 1B aims to assist students in developing: 1) A knowledge and understanding of Greek civilisation through the topics studied. 2) A deeper understanding of their own civilisation by understanding more about its origins. 3) The practice of four key modes of study of the ancient world - archaeological, historical, literary and philosophical, and the skills of constructive criticism associated with them. 4) Skills that will be transferable by the students to other situations - namely careful reading; accurate, clear and perceptive essay writing; reasoned argument in writing and orally; visual sensitivity to architecture and art.

*Course Co-ordinator:* Dr Angela McDonald

### ONS7 CONTROVERSIES OF THE SCOTTISH ENLIGHTENMENT

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Mondays, 19.00-21.00. 20 meetings.

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* A short essay of around 800 words should be submitted by students at the first meeting of the second semester (25% weighting). For the second piece of assessed work (75% weighting), students will have the choice of writing an essay of around 2,500 words to be submitted at the final meeting of the second semester, or taking a one hour traditional unseen examination at the end of the course.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course aims to: 1. Define the main elements of the Enlightenment in Scotland and in general; 2. Present some ideas and controversies during the Enlightenment of Scotland; 3. Place these within the context of the needs of a transitional society and its ideology of improvement; 4. Give brief descriptions of the intellectual histories of the most notable men associated with these ideas and controversies; 5. Support participants to critically examine and analyse ideas in a historical context; 6. Assist them to develop a critical understanding of their own ideas of social transition; 7. Help them analyse and define various unfamiliar key concepts and doctrines; 8. Support them to study selected key writings from the relevant primary and secondary literature and help them resolve problems they have with eighteenth century vocabulary, literary style and argument; 9. Create a safe environment for participants to raise questions and engage in discussion and debate; 10. Guide participants through assessment and submission requirements; 11. Give continuous positive feedback to every student's oral and written contributions; 12. Encourage students to form co-operative and supportive relationships.

*Course Co-ordinator:* Dr Robert Hamilton

### **JKP6 CREATIVE WRITING: FICTION**

*Credits:* 40 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Wednesdays, 18.00-21.00 and Saturdays, 10.00-13.00 (note: two separate cohorts). 22 meetings.

*Assessment:* Two essays each of 2,000 words (2 x 20%) and one project of 3,000 words (60%). Students must complete each piece of assessment.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students to university level study in creative writing in the novel and the short story. To act as the compulsory initial course contributing to a new Certificate in Creative Writing, enabling students to go on to choose from other available courses that also count towards the Certificate. To introduce students to required norms of study skills associated with the field of Creative Writing. To build students' confidence in their ability to interpret and analyse set texts, both in creative writing and in study skills. To enable students to take their creative writing skills to the appropriate level in relation to fiction.

*Course Co-ordinator:* Dr Paul Innes

### **JKR6 CREATIVE WRITING: WRITING FOR CHILDREN**

*Credits:* 20 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Thursdays, 19.00-21.00. 22 meetings.

*Requirements of entry:* JKP6: Creative Writing:Fiction

*Assessment:* Two essays, each of 1,000 words (2 x 20%), and one project of 2,000 words (60%). The final assessment will take the form of a chapter in a novel or short story. Students must complete each piece of assessment.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students to university level study in creative writing for children. To build upon the compulsory initial course contributing to a new Certificate in Creative Writing. To build students' confidence in their ability to interpret and analyse a set text series in children's literature. To enable students to take their creative writing skills to the appropriate level in relation to writing for children.

*Course Co-ordinator:* Dr Paul Innes

### **5XJ7 DUTCH 17TH CENTURY PAINTING**

*Credits:* 10 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Thursdays, 10.00-12.00. 10 meetings.

*Requirements of entry:* None

*Assessment:* 1. Essay (approximately 1500 words) from a choice of titles (70%). 2. Slide test: identification and discussion of slides (30%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course sets Dutch seventeenth century painting in its historical context. Starting with a broad overview of the art of Late Mannerism, the course will go on to focus on the wide variety of art produced in the Netherlands in the 17th century. During this period the Dutch established themselves as a new nation in Europe, becoming the continent's wealthiest and most powerful maritime nation. An account of the development of artistic categories, such as portraiture, flower-pieces and still life painting, will be given. The course as a whole also offers an introduction to the discipline of Art History and provides a solid foundation for further study in the field.

*Course Co-ordinator:* Dr Maureen Park

### **1NA7 FROM GIOTTO TO GAUGUIN: EUROPEAN PAINTING 1300- 1900**

*Credits:* 20 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Wednesdays, 10.00-12.00. 22 meetings.

*Requirements of entry:* None

*Assessment:* Written presentation 20%; Oral presentation 20%; Essay 40%; Slide test 20%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* 1. To provide an introduction to the discipline of art history through the study of European painting, 1300-1900. 2. To present European painting within the cultural and historical context of Europe. 3. To study the principles and techniques of major European painters. 4. To study the changing role of the arts in society of the period.

*Course Co-ordinator:* Dr Maureen Park

**1PJ7 FUNDAMENTALS OF PSYCHOLOGY**

*Credits:* 40 *Level:* 1  
*When Taught:* Full Session (September - March)  
*Timetable:* Tuesdays, 19.00-21.00 (22 meetings) and Saturdays, 10.00-16.00, with an hour for lunch (6 meetings).  
*Requirements of entry:* None  
*Assessment:* Final 150-minute Examination (45% weighting); Two Class Exams (10% weighting for each class exam); Completion of Laboratory Work and Reports (15% weighting); Two Essays of 1,500 words (10% weighting for each essay). Students must complete all assessments.  
*Degree Examination taken in:* April/May  
*Resit Examination taken in:* August/September  
*Aims:* This course aims to: 1) Provide a basic understanding of how psychologists study human behaviour. 2) Give an introduction to the most significant concepts and findings of psychology. 3) Create a firm foundation for progressing into level 2 courses in Psychology.  
*Course Co-ordinator:* Dr Victoria O'Donnell

**9AY7 INTRODUCTION TO ANCIENT EGYPT 1**

*Credits:* 10 *Level:* 1  
*When Taught:* Semester 1 (September - December)  
*Timetable:* Wednesdays, 19.00-21.00. 11 meetings. 1 additional meeting (for Library study day, museum study day - as appropriate for class cohort). 12 meetings in total.  
*Co-requisites:* None.  
*Excluded Courses:* Students who have previously studied Course 2DE7 (Egyptology 1: History & Society in Ancient Egypt) are excluded from this course. Otherwise there are no restrictions on access.  
*Assessment:* Essay 1, 30% Essay 2, 30% Examination, 40%  
*Degree Examination taken in:* December  
*Resit Examination taken in:* April/May  
*Aims:* This course covers the background necessary for students to read and write confidently about the history and social life of the Ancient Egyptians from earliest history until the New Kingdom, c. 3000-1500 BC. Students will learn about politics, religion and the rule of the pharaohs in Egypt at this time, and also about the wider history of the ancient world as revealed through Egypt's interaction with other nations.  
*Course Co-ordinator:* Dr Angela McDonald

**9AZ7 INTRODUCTION TO ANCIENT EGYPT 2**

*Credits:* 10 *Level:* 1  
*When Taught:* Semester 2 (January - March)  
*Timetable:* Wednesdays, 19.00-21.00. 11 meetings. 1 additional meeting (for Library study day, museum

study day - as appropriate for class cohort). 12 meetings in total.

*Requirements of entry:* Students enrolling for this course would normally have completed course 9AY7 (Introduction to Ancient Egypt 1).

*Co-requisites:* None.

*Excluded Courses:* Students who have previously studied Course 2DE7 (Egyptology 1: History & Society in Ancient Egypt) are excluded from this course. Otherwise there are no restrictions on access.

*Assessment:* Essay 1, 30% Essay 2, 30% Examination, 40%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course builds upon skills and knowledge acquired in Introduction to Ancient Egypt 1. It covers the background necessary for students to read and write confidently about the history and social life of the Ancient Egyptians during the New Kingdom and after, c. 1500-600 BC. Students will be asked to learn about politics, religion and the rule of the pharaohs in Egypt at this time, and also about the wider history of the ancient world as revealed through Egypt's interaction with other nations.

*Course Co-ordinator:* Dr Angela McDonald

**8JT7 INTRODUCTION TO ART THERAPY**

*Credits:* 40 *Level:* 1  
*When Taught:* Full Session (September - March)  
*Timetable:* Thursdays, 18.45-21.15, and two Saturday workshops. 24 meetings in total.  
*Assessment:* Assessment of students will be on the basis of the following: (i) 800-1000 words Literature Review (15%) (ii) Oral Presentation of 10 minutes (20%) (iii) Critical Essay of 1500 words (25%) (iv) Personal Account of 3000 words (40%).  
*Degree Examination taken in:* April/May  
*Resit Examination taken in:* August/September  
*Aims:* This course aims to provide: i) A critical account of the theories, principles and practice of Art Therapy, ii) A basic introduction to the history and development of Art Therapy as a profession, (iii) offer skills and knowledge to individuals and professional who want to expand their understanding of working with people creatively and iv) A firm foundation for possible progression on the Postgraduate Diploma Training scheme recognised by the British Association of Art Therapists. Students should be aware that a significant part of the course is given to the hands on making of artwork. Students will be expected to take part in practical, experimental, directive and non-directive workshops, group discussions and feedback. There will be an opportunity to work with a range of different media i.e. paint, clay, collage. Emphasis is placed on peer group participation and exchange of personal knowledge through experience as a method essential to the process of learning.  
*Course Co-ordinator:* Dr Maureen Park

## **KQC7 INTRODUCTION TO EVOLUTION AND ECOLOGY**

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Mondays, 19.00-21.00 (22 meetings) plus 3 study days.

*Requirements of entry:* No specific entry requirements are required but guidance is provided by DACE as to the suitability of individual applicants. Where it is felt necessary applicants will be advised to delay entry until they have completed a suitable preparatory course.

*Assessment:* Semester 1: Report on study day 2 = 20%. Semester 2 Project essay = 20%, Report of field work = 20%. Written examination of 60 minutes = 40%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aim of this course is to provide students with an understanding of how evolution and ecology may explain the diversity of life on Earth. This will allow students to develop a broad understanding of the complexity of biological life and ecological systems.

*Course Co-ordinator:* Dr Dominic McCafferty

## **LYJ7 INTRODUCTION TO LATIN**

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Tuesdays, 19.30-21.30. 21 meetings.

*Requirements of entry:* None

*Assessment:* Assessments 1-5: translation exercises (10%) each. Exam (50%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* - To introduce students to the key concepts in the study of Latin language. - To familiarise students with the basic concepts of Latin grammar and syntax. - To equip students with a basic Latin vocabulary. - To enable students to comprehend and translate simple passages of Latin.

*Course Co-ordinator:* Dr Angela McDonald

## **LWP7 INTRODUCTION TO PHILOSOPHY OF MIND**

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Wednesdays, 19.00-21.00. 22 meetings.

*Assessment:* 1. One 2,500 word essay to be submitted by the end of week 17 on one of the suggested essay questions. (50%). 2. Written examination (90 minutes) at the end of course (50%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* 1. To introduce students to the basic philosophical terms used in the contemporary philosophy of mind. 2. To provide students with a general understanding and appreciation of some key philosophical issues discussed in contemporary philosophy of mind, by guiding

them through a number of classical and contemporary readings and by introducing them to central issues and developments in the philosophy of mind.

3. To acquaint the students with the basic philosophical problems of the current study of the philosophy of mind and make known to them all the major solutions to these problems offered in classical and contemporary readings.

*Course Co-ordinator:* Mr Keith Hammond

## **1ND7 INTRODUCTION TO SCOTTISH LITERATURE: BURNS TO MACDIARMID**

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Wednesdays, 19.00-21.00. 22 meetings.

*Requirements of entry:* None

*Assessment:* Assessment of students will be on the basis of the following methods: i) Practical criticism of around 300 words (5% of final grade); ii) Practical criticism of around 500 words (10% of final grade); iii) One essay of around 1200 words (35% of final grade) and; iv) One examination based upon an unseen practical criticism and answers to 3 questions seen by students before hand to be completed in 90minutes (50% of final grade).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course aims to assist students in developing: i) A knowledge and understanding of Scottish literature through the works studied; ii) A deeper understanding of Scottish identity by reading well known works as well as those which are currently being re-evaluated; iii) An awareness of the different literary strengths of four genres - poetry, the novel, the short story and drama - and the analytical skills by which these strengths can be articulated; iv) Skills which the students will be able to apply to other areas - precision reading; clear and perceptive oral and written analysis; accurate and reasoned essay writing; critical judgement.

*Course Co-ordinator:* Dr Paul Innes

## **2XX7 INTRODUCTION TO SOCIAL PSYCHOLOGY**

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Mondays, 18.30-20.30 (22 meetings) plus three Saturdays, 10.00-15.00 (with an hour for lunch).

*Requirements of entry:* None

*Assessment:* Students will be asked to complete the following course assignments: (i) A practice essay (ii) One unseen one hour practice examination (iii) Two essays, each approximately 1500 words in length (25% each of final mark) (iv) Two class multiple choice tests, requiring answers to questions on a broad spread of topics drawn from the course content (10% each of final mark) (v) One final, unseen 60-minute examination, with a choice of essay-type questions relating to the whole

course, under normal examination conditions (30% of final mark).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Social Psychology is concerned with all aspects of social behaviour; it studies the individual in society and behaviour in groups. The aims of the course are to study how people relate to each other, and to examine the ways in which behaviour is influenced by interaction with other individuals and groups of individuals and by social settings.

*Course Co-ordinator:* Dr Victoria O'Donnell

### **6HT7 INTRODUCTION TO THE COMPOSITION AND STRUCTURE OF THE EARTH**

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Wednesdays, 19.30-21.30 (22 meetings). Additional classes and field trips (2) by arrangement. 24 meetings in total.

*Requirements of entry:* None

*Assessment:* Class essays (15%); one hour examination (30%); continuous assessment and practical work (25%); field report project (10%); map assessment (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aim of the course is to introduce students to: i) The Earth in its context as a planet in the solar system; evidence for its internal structure and the part played by the mantle and core in relation to internal processes, and the Earth's magnetic field; ii) The nature of the lithosphere, geological and geophysical evidence of Plate Tectonics and its significance for the interpretation of such features as ocean floor spreading, the formation of mountain belts, volcanic activity, earthquakes and related features of the dynamic Earth; iii) The chemical and mineralogical composition of the Earth; iv) The origins of rocks and the processes leading to their diversity, including the generation and evolution of magmas, surface processes leading to the break down of rocks and minerals and their deposition and reconstitution as sedimentary rocks, and the transformation or crustal material by heat and pressure to form metamorphic rocks; v) The chemical and physical properties of minerals; mineral associations and textures used in the identification, and in determination of the origins of rocks.

*Course Co-ordinator:* Dr Michael Keen

### **MJB7 LIFE OF MAMMALS**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* 2 hour weekly lectures, plus 8 hours on-line, and 4-day residential field course.

*Assessment:* Assessment will consist of: site guide (20%); guide to local site identifying key mammal habitats; data report (20%); summary statistics from data collection; group poster (20%); species guide from small

group work; exam (40%): short answer questions (60 minutes).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aim of this course is to introduce students to the varied life of mammals by examining their evolution, biology and ecology. It examines factors influencing past and present UK mammal populations and develops key identification skills and field methods used to study mammals.

*Course Co-ordinator:* Dr Dominic McCafferty

### **6JA7 LITERATURE IN SCOTLAND IN THE LATE 20TH CENTURY**

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Thursdays, 19.00-21.00. 22 meetings.

*Assessment:* Two essays both worth 30% each and Final Examination (of 90 minutes) worth 40%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* 1) To give a broad overview of literature in Scotland during the latter part of the twentieth century. 2) To contextualise developments in Scottish literature within wider literary and cultural frameworks. 3) To outline and familiarise students with a range of different techniques and approaches employed by writers in the latter part of the twentieth century.

*Course Co-ordinator:* Dr Paul Innes

### **KPG7 MARINE MAMMAL FIELD COURSE**

*Credits:* 20

*Level:* 1

*When Taught:* Terms 3 and 4 (April - September)

*Timetable:* This is a residential field course during mid July. Exact date to be confirmed due to availability of accommodation and research vessels.

*Requirements of entry:* None

*Assessment:* Assessment will consist of assignments to be completed at home and an examination. The written assignments consist of a field journal (40%) and a 1500 word essay (20%). The final 60-minute examination (40%) consists of short answer questions.

*Degree Examination taken in:* August/September

*Resit Examination taken in:* December

*Aims:* The aim of this course is to examine the diversity of seals and cetaceans encountered in UK waters and throughout the World. It concentrates on the identification and behaviour of marine mammals and examines ways in which these animals are adapted to their aquatic existence.

*Course Co-ordinator:* Dr Dominic McCafferty

### **1AK7 PHILOSOPHICAL ETHICS OF SOCRATES, PLATO AND ARISTOTLE**

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Thursdays, 19.00-21.00. 22 meetings.

*Assessment:* Essay of 2,000 words (40% weighting). Exam of 90 minutes (60% weighting).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) To enable students to develop a grasp of the key ideas in the philosophical ethics of Socrates, Plato and Aristotle. (2) To acquaint students with Socratic dialogue and its definitional aims and aporetic conclusion in some of the early dialogues. (3) To introduce students to the distinctive ethical features of Plato's epistemology and metaphysics in the Symposium. (4) To develop an appreciation of Aristotle's ethics in the aims and methods of the Nicomachean Ethics.

*Course Co-ordinator:* Mr Keith Hammond

### 9DT7 PHILOSOPHY AND EMOTION

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Tuesdays, 19.00-21.00. 22 meetings.

*Assessment:* Essay of 2,000 words (40%). Examination of 90 minutes; students will answer three questions (60%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) To develop students' critical and analytical skills through reading of philosophical texts, discussion, essay-writing and examination. (2) To introduce students to the basic arguments in the philosophy of mind and moral psychology concerning: sensation, thought, intentionality and action. (3) To present students with a range of philosophical perspectives on the nature of emotions - behaviourism to cognitivism. (4) To introduce students to different evaluations of emotions in different ethical theories.

*Course Co-ordinator:* Mr Keith Hammond

### 0QC7 POPULAR MUSIC STUDIES: AN INTRODUCTION

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesdays, 18.30-20.30. 11 meetings.

*Requirements of entry:* None

*Co-requisites:* None

*Assessment:* One essay of up to 2,000 words (60%) and one 60-minute exam (40%) based on the ILOs. The essay titles will be drawn up by the course tutor. There will also be scope for students to develop their own questions in order to pursue their particular interests (in consultation with the course tutor).

*Degree Examination taken in:* December

*Resit Examination taken in:* April/May

*Aims:* The overall aim of this course is to introduce students to Popular Music Studies as an academic discipline. Within this broad remit the course will aim more specifically: To introduce the nature of popular

music and the role it plays within contemporary society and develop student understanding of this. To introduce the nature of the international popular music industries and develop student understanding of them. To introduce, and develop student understanding of the "politics" of popular music including popular music policy. To develop students' understanding of the importance of gender in popular music. To develop students' skills (including verbal and written) in the presentation of ideas about popular music. To encourage reflection about students' own use of popular music. To encourage critical engagement with key texts in Popular Music studies.

*Course Co-ordinator:* Dr Dominic McCafferty

### KRJ7 STARS AND THE UNIVERSE

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Wednesdays, 19.30-21.30. 22 meetings.

*Requirements of entry:* Some elementary mathematical skills are needed before the end of the course (substitution of numerical values into expressions; qualitative interpretation of graphs) but these will be developed as needed and there are no mathematical prerequisites.

*Assessment:* Mix of final exam and continuous assessment, comprising: final 60-minute examination (40%); short class test end Oct (10%) and longer test mid March (20%); report on observational project or, exceptionally, extended essay involving independent reading, with assessment broken into a preliminary plan (10%; end October) and final report (20%; end April).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This is the second of two courses aiming to provide a broad introduction to Astronomy. The two courses together aim to:

- 1) give an accessible, up-to-date 'liberal arts' introduction to Astronomy, developing necessary knowledge of Physics and elementary Mathematical skills as needed;
- 2) provide opportunities for observing experiences that reinforce course content.

This course deals in particular with stellar astrophysics and cosmology; solar system science is studied in the companion module, 'Sun and Solar System'. Specific aims are to:

- 1) survey statistical properties of stars as summarised in the Hertzsprung-Russell Diagram and outline the theories of stellar structure, evolution and nucleosynthesis;
- 2) describe the physical states in which interstellar matter is found (neutral and ionised gas, dust) and explain how these result in the various observed bright and dark nebulae, etc.;
- 3) describe the various morphological classes of galaxies and how stellar populations and chemical abundances evolve in each;
- 4) explain the physical natures of white dwarves, neutron stars and black holes, describe the evidence for the existence of these objects and discuss some key topics of high-energy astrophysics;
- 5) introduce key ideas and observations of modern cosmology, describe their roles in leading to the Hot Big



Bang picture and discuss how far the latest observations support this picture;

6) elucidate the links between quantum mechanics, elementary particles and forces and the present form and evolution of the universe.

*Course Co-ordinator:* Dr Alexander MacKinnon

### 6HY7 THE ANCIENT CELTS

*Credits:* 20 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Wednesdays, 19.00-21.00 (22) + field visit (1). 23 meetings in total.

*Requirements of entry:* No assumptions are made concerning prior knowledge of students entering the class and there are no specific entry requirements. NB No knowledge of a Celtic language is required.

*Excluded Courses:* Celtic Civilisation 1A 3MYU

*Assessment:* An essay (1500-2000 words) to be submitted by the end of semester 1 (25%). An essay (1500-2000 words) to be submitted in semester 2 (25%). An end of course examination (90 minutes) (50%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To enable students to get a coherent picture of salient aspects of the earlier history, institutions, society and culture of the Celtic speaking people up to AD 400. To enable students to understand and use critically the source of material from which a picture of the ancient Celtic world may be formed. To introduce students to current scholarly approaches to the Celts and Celticity including areas of particular controversy and debate. To develop students' critical and analytical skills through essay writing, source criticism, discussion and examination.

*Course Co-ordinator:* Dr Robert Hamilton

### 1NB7 THE ART OF THE 20TH CENTURY

*Credits:* 20 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Thursdays, 18.30-20.30. 22 meetings.

*Requirements of entry:* None

*Assessment:* Students will be asked to complete: (i) One short written presentation, 800-1000 words (20% of the final grade); (ii) One oral presentation, 5-10 minutes (20% of the final grade); (iii) One essay, 1500-2000 words (40% of the final grade); One slide test (20% of the final grade).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The art of the twentieth century can be both exhilarating and intimidating. Often people feel they would like to know more about it but are afraid that they will not be able to understand it or that they will be confused by all the different 'isms' of twentieth century movements. This course is all about understanding modern art. It aims to provide a general overview of some of the major movements, artists and ideas of twentieth century art and also introduces students to some of the important debates and controversies which

surround the variety of art from the last century. The course as a whole offers an introduction to the discipline of Art History and provides a solid foundation for further study in the field.

### SUM7 THE PSYCHOLOGY OF ADDICTIONS

*Credits:* 20 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Mondays, 18.30-21.30 (17 meetings).

*Requirements of entry:* None

*Assessment:* Three essays. Essay 1, 25%; Essay 2, 25%; Essay 3, 50%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To examine a range of excessive activities linked to concepts of addiction (and, sometimes, to that of compulsion and attachment), including both substance - centred (e.g., drinking alcohol) and behavioural (e.g., sex or gambling). To review the theoretical systems devised to account for their development, the psychological and social problems arising from them and the theory, practice and outcomes of some of the "treatments" applied to them.

*Course Co-ordinator:* Dr Victoria O'Donnell

### LYC7 UNDERSTANDING ARCHAEOLOGY

*Credits:* 10 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Thursdays, 19.00-21.00. 11 meetings.

*Assessment:* Worksheet (completed during class time) - Week 6 (20%); Essay (1200-1400 words) - Week 9 - (20%); Journal - (150-300 word responses each week to set questions) - Week 11 - 40%; Seminar presentation students' choice of topic; may be based on essay - Week 11 - 20%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims to encourage in students an appreciation of a variety of themes and current issues in archaeology, many of which will be based on issues currently in the media, using case studies to provide real world examples.

*Course Co-ordinator:* Dr Angela McDonald

### 5XL7 WAR REFORMATION AND UNION: SCOTLAND 1500- 1715

*Credits:* 20 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Tuesdays, 19.00-21.00 and Wednesdays, 10.00-12.00 (note: two separate cohorts). (20 meetings).

*Requirements of entry:* None

*Assessment:* Students will be required to complete: i) an essay of 1500 words (30%), ii) a second essay of 1500 words (30%), iii) an examination (90 mins) (40%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims to introduce students to the major themes in the political, religious, military and international development of Scotland from the reign of James IV to the Jacobite War of 1715. It aims to provide a background to the Late Medieval period, and will assess the 'kingship' and rule of James IV to Mary Stewart, war and diplomacy with France and England, the impact of royal minorities, and the religious and political upheaval of the Reformation crisis. The focus is on the political and religious disruption of Scotland in the Reformation century. The focus of the seventeenth century begins with an examination of the union of 1603 and its origins, the Imperial Kingship of James VI and Charles I, the Covenanting movement, the Highland Problem, the British Civil Wars and relations with Ireland. In the second term the aim is to examine the early attempts to create a British state and the opposition and problems such moves met. Finally the course aims to focus on the period 1688-1715 and examine the 'Glorious Revolution', the Jacobite threat, the origins of the Treaty of Union and its impact on Scotland. The course aims to provide a thorough preparation and foundation of knowledge and skills to enable students to proceed with confidence to further study at a more advanced level.

*Course Co-ordinator:* Dr Robert Hamilton

### **8TU7 DRAWING AND PAINTING: COMPOSITION**

*Credits:* 40 *Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Thursdays, 13.00-16.00. 22 meetings. 2 extra meetings spread over year. (24 meetings in total).

*Requirements of entry:* Students must have completed at least one Practical Art course at Level 1, or equivalent, and will be admitted at the discretion of the tutor.

*Assessment:* Practical project work (home and studio) 40%; assignment/sketchbooks and class contribution (contribution to discussions and commitment to course) 45%; essay (2,000-2,500 words) 15%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims: To increase levels of visual perception with reference to composition in the visual arts. To make students aware of the different elements of composition and demonstrate this understanding in their practical work. To build upon the student's understanding of colour, form, light and space as taught in Level 1 courses.

*Course Co-ordinator:* Dr Maureen Park

### **LXY7 INTERMEDIATE FICTION WRITING**

*Credits:* 40 *Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Saturdays, 14.00-17.00. 22 meetings.

*Requirements of entry:* Intermediate Fiction writing is designed to take students' experience in the area a step forward. It follows on from the Level 1 course Creative Writing: Fiction. Students must have taken the Level 1 course to be eligible for Level 2. However, they do not have to have taken other Level 1 courses.

*Assessment:* Two essays each of 1,500 words (2 x 20%) and one project of 4,000 words (60%). This final project will take the form of a chapter in a novel or a short story. Students must complete each piece of assessment.

*Aims:* To follow on from the students' existing knowledge of university level study in creative writing in the novel and the short story, as developed in the compulsory level 1 course JKP6 Creative Writing: Fiction. To increase student skills in the required norms of writing and assessment in the field of Creative Writing. To enable students to take their creative writing skills to an intermediate level in relation to fiction.

*Course Co-ordinator:* Dr Paul Innes

### **KXY7 MIND AND WORLD**

*Credits:* 20 *Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Mondays, 19.00-21.00. 22 meetings.

*Requirements of entry:* Successful completion of one level one Philosophy course.

*Assessment:* Essay (50%), and 90-minute exam (50%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To familiarise students with a range of issues in contemporary philosophy of mind. To present various key philosophical positions in relation to those issues, and introduce students to critical perspectives on those positions.

*Course Co-ordinator:* Mr Keith Hammond

### **0QD7 POPULAR MUSIC HISTORY**

*Credits:* 20 *Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Tuesdays, 18.30-20.30. 11 meetings.

*Requirements of entry:* Successful completion of 0QC7 Popular Music Studies: An Introduction, or 20 credits at level 1 in a related field, or relevant music industry experience.

*Co-requisites:* None

*Assessment:* One essay of up to 2,000 words (60%) and one 60-minute exam (40%) based on the ILOs. The essay titles will be drawn up by the course tutor. There will also be scope for students to develop their own questions in order to pursue their particular interests (in consultation with the course tutor).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aim of this course is to place the study of the history of Popular Music within broader socio-economic trends and increase students' understanding of Popular Music Studies as an area of academic study. Within this broad remit the course will aim more specifically: To increase understanding of the nature of popular music history and its interaction with broader societal trends. To critically engage with competing versions of popular music history. To critically evaluate the role of various agencies including artists, industry and technology in the development of popular music history. To understand and be able to critique feminist critiques of popular music history. To

encourage the development of skills in verbal and written presentation of ideas about popular music history. To encourage critical engagement with key texts in Popular Music Studies. To understand and evaluate the importance of such social constructs as genre, gender and popular to the history and study of popular music.

*Course Co-ordinator:* Dr Dominic McCafferty

### **7EYV THE LEARNING SOCIETY: ADULT & CONTINUING EDUCATION 2**

*Credits:* 20 *Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* 22 lectures/seminars on Tuesdays, 13.00-15.00 and Thursdays, 13.30-15.00 weekly.

*Requirements of entry:* A Grade D or above in an appropriate Level 1 course offered by the Faculty of Arts or Social Sciences (e.g. education, history, philosophy, sociology or social policy). Students are also encouraged to take the preceding Level 2 course, The Learning Society: Issues in Modern Education.

*Co-requisites:* The Learning Society: Issues In Modern Education.

*Assessment:* One essay (40%) and two further pieces of work, each worth 30%, from a choice of: two essays; essay plus exam question; two exam questions. (60 minutes per exam question.)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course aims to: a) introduce you to adult and continuing education as a field of study and practice b) promote your understanding of the theoretical and policy concerns being addressed by adult educators in the context of the 'learning society' c) develop your capacity for critical self-awareness and other skills which are helpful to 'lifelong learning'. Also see 8JJV under Educational Studies.

*Course Co-ordinator:* Dr Amanda Benjamin

### **9MEW NEW TECHNOLOGY AND LIFELONG LEARNING**

*Credits:* 30 *Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Face-to-face sessions to be arranged.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of this course are as follows: To provide a rationale for and an understanding of the use of new technology in support of lifelong learning; To consider the social, political and economic issues involved in the application of new technology in widening access to both formal and informal education; To provide an asynchronous forum in which to explore, discuss, examine and reflect on these issues within a computer conferencing environment; To enable students to gain experience of a variation in learning modes, particularly that of computer mediated collaborative learning, and to understand the role and significance of teaching and learning within a Computer Mediated Conferencing (CMC) environment; To familiarise students with the various technological options for electronically mediated education by providing practical opportunities

to experience a range of technology and to examine the pedagogical benefits and challenges of each.

*Course Co-ordinator:* Dr Alexander MacKinnon

## **Archaeology**

### **2KJU ARCHAEOLOGY 1X: INTRODUCTION TO ARCHAEOLOGICAL PRACTICE**

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Two lectures a week (Tuesday/Thursday 12.00 noon). Practicals, tutorials or seminars once a week, 1 one-day field class.

*Assessment:* Examination (50%); Coursework consisting of an essay (25%) and two practical worksheets (25%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course introduces the methodologies by which archaeologists recover and study material culture from the past. Students will gain an understanding of how archaeological remains survive, are discovered, re-examined and interpreted.

*Course Co-ordinator:* Dr Allan Hall

### **2KKU ARCHAEOLOGY 1Y: ARCHAEOLOGY OF SCOTLAND**

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Two lectures a week (Tuesday/Thursday 12.00 noon), practical classes or seminars once a week (afternoon), 2 one-day field classes.

*Assessment:* Examination (50%); coursework consisting of an essay (20%) and a notebook (30%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course provides an understanding of the cultural evolution of Scotland from the end of the last Ice Age until the modern era and the contribution made by archaeological evidence. Students will gain an appreciation of the indigenous characteristics of Scotland's material heritage and recognise the significance of Scotland's contacts with the wider world.

*Course Co-ordinator:* Prof Stephen Driscoll

### **2LDU ARCHAEOLOGY 1Z: ARCHAEOLOGY IN CONTEMPORARY SOCIETY**

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures - Monday and Friday 12.00 noon. Practicals, tutorials and seminars - one hour per week on Tuesday, Wednesday, Thursday or Friday afternoons at times to be arranged.

*Assessment:* One examination paper (50%); one assessed essay (25%); plus practical worksheets (25%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To illustrate the ways in which archaeologists interpret material culture to reveal the past; and illustrate the use of archaeology in promoting particular social and political views of the past. By the end of the course, students will understand the relevance of archaeology in a modern society and the issues involved in the preservation and interpretation of the past.

*Course Co-ordinator:* Dr Jeremy Huggett

### **0AKV ARCHAEOLOGY 2F : FIELD ARCHAEOLOGY IN THEORY**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* This course consists of lectures - Mondays 12 noon with tutorials and some classroom practicals.

*Requirements of entry:* Two Archaeology level 1 courses at grade D or above. This course is the equivalent of the first half of Archaeology 2G : Field Archaeology in Theory & Practice and does not allow the student to proceed to Honours Archaeology (3H). Those wishing to do so should register for the full course Archaeology 2G : Field Archaeology in Theory & Practice (9CRV).

*Assessment:* Coursework (100%)

*Aims:* The aims of this course are: (1) to provide students with an introduction to the historiography of field archaeology; (2) to examine a series of key developments in field techniques through the medium of selected sites and excavators; (3) to introduce the structures and organisation of field archaeology.

*Course Co-ordinator:* Dr Christopher DalGLISH

### **9CRV ARCHAEOLOGY 2G : FIELD ARCHAEOLOGY IN THEORY AND PRACTICE 2**

*Credits:* 20

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* The first part of the course (semester 1) consists of lectures - Mondays 12 noon with tutorials and some classroom practicals. The second part (semester 2) consists of the equivalent of a total of 25 hours of practicals.

*Requirements of entry:* Two Archaeology level 1 courses at grade D or above, one of which must be Introduction to Archaeological Practice (2KJU) if the student intends to proceed to Honours (3H). This course (9CRV) is a requirement for entry to Honours (3H).

*Assessment:* Coursework (100%)

*Aims:* The aims of this course are: (1) to provide students with an introduction to the historiography of field archaeology; (2) to examine a series of key developments in field techniques through the medium of selected sites and excavators; (3) to introduce the structures and organisation of field archaeology; (4) to introduce students through practical experience to basic fieldwork methods and laboratory techniques used in archaeology.

*Course Co-ordinator:* Dr Christopher DalGLISH

### **0AJV ARCHAEOLOGY 2H : ANALYTICAL ARCHAEOLOGY**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures - Weds & Fri 12 noon; plus tutorials and practicals.

*Requirements of entry:* Two Archaeology level 1 courses at grade D or above, one of which must be Introduction to Archaeological Practice (2KJU) if the student intends to proceed to Honours (3H)

*Excluded Courses:* This course is for students in the Science Faculty and cannot be taken in conjunction with Archaeology 2K: Interpreting Archaeology.

*Assessment:* one examination (50%); coursework (50%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) to introduce students to the key developments in archaeological thought; (2) to show how interpretations are grounded in particular theoretical perspectives; (3) to provide students with a scientific perspective on archaeological data and their interpretation; (4) to train students in transferable as well as more specifically archaeological skills.

*Course Co-ordinator:* Dr Richard Jones

### **9ZAV ARCHAEOLOGY 2J : ARCHAEOLOGY OF EUROPE & THE MEDITERRANEAN**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures - Weds & Fri 12 noon; plus tutorials.

*Requirements of entry:* Two Archaeology level 1 courses at grade D or above, one of which must be Introduction to Archaeological Practice (2KJU) if the student intends to proceed to Honours (3H)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims: (1) to introduce students to the key themes of European and Mediterranean archaeology; (2) to situate these themes in a broad regional and chronological framework; (3) to train students in transferable as well as more specifically archaeological skills; (4) to provide an archaeological framework for other level 2 courses.

*Course Co-ordinator:* Dr Michael Given

### **9CSV ARCHAEOLOGY 2K : INTERPRETING ARCHAEOLOGY**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures - Weds & Fri 12 noon; plus tutorials.

*Requirements of entry:* Two Archaeology level 1 courses at grade D or above, one of which must be Introduction to Archaeological Practice (2KJU) if the student intends to proceed to Honours (3H)

*Excluded Courses:* This course is not available for students in the Science Faculty and cannot be taken in conjunction with Archaeology 2H: Analytical Archaeology.

*Assessment:* one examination (50%); coursework (50%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of this course are: (1) to provide students with an introduction to the key developments in archaeological thought; (2) to introduce students to a series of key themes in contemporary archaeological practice; (3) to examine the relationship between archaeological data and current interpretative stances.

*Course Co-ordinator:* Dr Kenneth Brophy

### 6WXW ARCHAEOLOGICAL STUDIES 3

*Credits:* 80

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* There are typically four lectures and up to six hours of practical/tutorials weekly throughout the session. Students take the core course Recovery and Interpretation of Archaeological Data and 3 other taught optional courses (see Archaeology 3H for details). The fieldwork requirement is 3 weeks before graduation. It is expected that students will have completed the fieldwork requirement prior to entering Level 3.

*Requirements of entry:* At level 1 students must obtain a minimum of 40 credits in Archaeology at an average of grade D or above. At level 2 students must obtain a minimum of 60 credits in Archaeology at an average of grade D or above.

*Assessment:* As for the Honours courses taken: coursework and (usually) written examination. Three-Year Degree assessment criteria used.

*Degree Examination taken in:* April/May

*Aims:* The aims of the programme are: (1) to equip the student with a basic knowledge of archaeology suitable to a career where the specialism is a subsidiary, or 'interest only' requirement, through a broad overview of modern archaeology across a wide chronological and geographical range; and (2) to provide the student with an appreciation of cultural resources, and the importance of issues such as their protection, conservation and appropriate exploration.

*Course Co-ordinator:* Dr Allan Hall

### 100D ARCHAEOLOGY 3 (ARTS)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Four lectures and up to six hours of practicals/tutorials weekly that are taught throughout the session. Students take the core course, Recovery and Interpretation of Archaeological Data, and two other taught optional courses which as far as possible will focus on a student's area of specialisation where one is defined (see Archaeology 3H for details). Students must have completed 3 weeks of fieldwork by graduation. It is expected that students will have completed the fieldwork requirement prior to entering Level 3.

*Requirements of entry:* At Level 1, students must obtain a minimum of 40 credits in Archaeology at an average of grade D or above. At Level 2, students must obtain a minimum of 40 credits in Archaeology at an average of grade D or above.

*Assessment:* As for the Honours courses taken: assessment of coursework and (usually) written examination. Three-Year Degree assessment criteria used.

*Degree Examination taken in:* April/May

*Aims:* The aims of this course are: (1) to equip the student with a basic knowledge of archaeology suitable to a career where the specialism is a subsidiary or 'interest only' requirement, through a broad overview of modern archaeology across a wide chronological and geographical range; and (2) to provide the student with an appreciation of cultural resources, and the importance of issues such as their protection, conservation and appropriate exploration.

*Course Co-ordinator:* Dr Allan Hall

### 100F ARCHAEOLOGY 3H (JOINT)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* 40 archaeology credits at Level 1, which must include Archaeological Practice, and 60 credits at Level 2 made up of the Archaeology of Europe and the Mediterranean, Field Archaeology in Theory and Practice, and EITHER Interpreting Archaeology (Arts students) OR Analytical Archaeology (Science students); completion of 3 weeks approved fieldwork (which may be acquired by attending the Departmental Field School which runs in the summer vacation each year); attendance at a University IT course.

*Assessment:* Assessed course work and (usually) written examination taken in the same year as the course.

*Degree Examination taken in:* April/May

*Aims:* The aim of the programme is to provide a basic grounding in the theoretical background and methodological techniques of modern archaeology, and demonstrate their application across a wide chronological and geographical range.

*Honours Course Prescription:* Students take two core courses (see Archaeology 3H Single for details) and a practical work portfolio (20 credits).

*Course Co-ordinator:* Dr Allan Hall

### 100H ARCHAEOLOGY 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* 40 archaeology credits at Level 1, which must include Archaeological Practice, and 60 credits at Level 2 made up of the Archaeology of Europe and the Mediterranean, Field Archaeology in Theory and Practice, and EITHER Interpreting Archaeology (Arts students) OR Analytical Archaeology (Science students); completion of 3 weeks approved fieldwork (which may be acquired by attending the Departmental Field School which runs in the summer vacation each year); attendance at a University IT course.

mental Field School which runs in the summer vacation each year); attendance at a University basic IT course.

*Assessment:* Assessed course work and (usually) written examination taken in the same year as the course.

*Degree Examination taken in:* April/May

*Aims:* The aim of the programme is to provide a basic grounding in the theoretical background and methodological techniques of modern archaeology, and demonstrate their application across a wide chronological and geographical range.

*Honours Course Prescription:* Students take 2 core courses - Recovery and Interpretation of Archaeological Data; Theory and Interpretation in Archaeology and 2 other optional taught courses from the list below (not all on offer every year), plus a portfolio of practical work (40 credits). Optional taught courses include: Interpretation and Analysis of Archaeological Ceramics; Examining Archaeological Materials; Geoarchaeology and Palaeoecology; Archaeology and Material Culture; Archaeology of Life and Death; Aspects of the British Neolithic; Ceramic Production; Computer Based Data Management in Archaeology; Computer Based Graphical Analysis in Archaeology; Development of Greek and Roman Coinage; Early Medieval Gaeldom: 6th - 8th centuries; Founding of Scotland; Expansion and Control of the Roman Empire; Landscape Archaeologies past and present; Medieval Ireland (800-1100); Post-Roman Celtic Britain; The Picts and formation of Alba; Production and Trade in the Ancient Mediterranean World; Roman Britain: Acculturation and Change; Rural Settlement, Society and Landscape in Scotland, c1100-c1700 AD; Settlement and Society in Scandinavian Scotland; Settlement and Landscape in Scottish Gaeldom, 1750-1850; Viking Age Scandinavia; Viking Movements; The Archaeology of Religion; Cities and Colonies in the Late Prehistoric Western Mediterranean; Communities and Landscapes in the Neolithic of Northwest Europe; Historical Landscapes of the Eastern Mediterranean; Rural Landscapes and Peasant Communities in Ancient Italy.

*Course Co-ordinator:* Dr Allan Hall

### 100G ARCHAEOLOGY 4H (JOINT)

*Credits:* 60 *Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Satisfactory performance at level 3H

*Assessment:* Assessed course work and (usually) written examination taken in the same year as the course.

*Degree Examination taken in:* April/May

*Aims:* The aim of the programme is to provide a basic grounding in the theoretical background and methodological techniques of modern archaeology, and demonstrate their application across a wide chronological and geographical range.

*Honours Course Prescription:* Students take 3 optional courses selected from two groups, (see Archaeology 3H for details); a dissertation (20 credits) may be substituted in place of 1 course.

*Course Co-ordinator:* Dr Allan Hall

### 100J ARCHAEOLOGY 4H (SINGLE)

*Credits:* 120 *Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Satisfactory performance at level 3H

*Assessment:* Assessed course work and (usually) written examination taken in the same year as the course.

*Degree Examination taken in:* April/May

*Aims:* The aim of the programme is to provide a basic grounding in the theoretical background and methodological techniques of modern archaeology, and demonstrate their application across a wide chronological and geographical range.

*Honours Course Prescription:* Students take 4 optional taught courses and a dissertation (40 credits) - see Archaeology 3H for details of taught courses (not all on offer every year).

*Course Co-ordinator:* Dr Allan Hall

## Biomedical and Life Sciences

### KNPU BIOLOGY 1A

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures 9am, 2pm, and 5pm on Monday - Friday (each student is assigned to one lecture slot per day). Laboratories: Tuesday, Wednesday, Thursday and Friday morning and afternoons as required by course numbers (each student only attends one laboratory session per week).

*Requirements of entry:* As for Faculties of Science entry

*Excluded Courses:* 6KEU Biology 1Y

*Assessment:* A 90-minute examination at the end of the course, which counts as 50%; assessment of coursework, which counts as 50%. For the resit diet, the examination component is increased to 70% and the coursework component is reduced to 30%.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* to provide a broad-based understanding of modern biology at the organismal level; to provide the knowledge appropriate for continuing studies in biology; to encourage the acquisition of general scientific skills and transferable skills; to introduce you to the use of email, the Internet, basic word processing and spreadsheets.

*Course Co-ordinator:* Prof Douglas Neil

### KNMU BIOLOGY 1B

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: 9 am, 2 pm and 5 pm on Monday - Friday (each student is assigned to one lecture slot per day). Laboratories: Tuesday, Wednesday, Thursday and Friday morning and afternoons as required by

course numbers (each student only attends one laboratory session per week).

*Requirements of entry:* As for Faculties of Science entry

*Excluded Courses:* 6KDU Biology 1X

*Assessment:* A 90-minute degree examination at the end of the course, which counts as 50%; assessment of coursework, which counts as 50%. For the resit examination, the end-of-course examination component is increased to 70% and the coursework component is reduced to 30%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* to provide a broad-based understanding of modern biology at the molecular & cellular level; to provide the knowledge appropriate for continuing studies in biology; to encourage the acquisition of general scientific skills and transferable skills; to introduce you to the use of email, the Internet, basic word processing and spreadsheets.

*Course Co-ordinator:* Prof Michael Blatt

## KPLU COMMUNICATING SCIENCE 1

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Four lectures per week at 1pm Monday - Thursday. One 3-hr practical session per week at times to be arranged.

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* 7NYV Science Communication & Commerce 2 (13B)

*Assessment:* End-of-course examination (50%), group project (20%) and other assignments (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: survey the social and political context in which scientists operate; show how science is communicated (a) to scientists and (b) to different sectors of the general public; provide students with the skills needed to access different sources of scientific information; enable students to reflect on and improve their skills in written and oral communication of science to different kinds of audiences; provide students with opportunities to reflect on how people develop knowledge and understanding of scientific ideas; provide students with an understanding of the nature of sciences as an enquiry-led activity.

*Course Co-ordinator:* Prof Roger Downie

## 4N7B ENVIRONMENTAL SCIENCE 1

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: Monday, Tuesday, Wednesday, Thursday at 1.00 pm. One three-hour laboratory session per week starting at 10.00 am or 2.00 pm on Tuesday or Wednesday.

*Requirements of entry:* Not applicable.

*Assessment:* Class tests (40%), laboratory assessment (20%), end of session examination (40%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Environmental Science 1 aims to provide an introduction to the science of the environment and a broad basis for the specialist environmental sciences studies in later years. It is taught by a team drawn from the Departments of Chemistry, Geographical and Earth Sciences, Physics and Astronomy and the Institute of Biomedical and Life Sciences using an integrated multi-disciplinary approach. The course aims to cover a wide range of environmental topics in four sections: The Physical World (e.g. the diversity of plants and animals, animal ecology, human populations) Soils and Pollution (e.g. soils, environmental radioactivity, water pollution, the ozone layer) and Resources and Conservation (e.g. resource reserves, energy from biomass, green politics, vulnerable habitats).

*Course Co-ordinator:* Dr Stewart White

## 5KYV ANIMAL DIVERSITY 2 (4A)

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures Wednesday and Friday from 11 am-12 noon; one laboratory; one tutorial.

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Assessment:* The course will be assessed by means of a 90-min examination paper in the December diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: survey the variety of animal life, from protozoa to mammals, with an emphasis on the evolutionary forces that have created this diversity; demonstrate the fundamental unity of animal life, in terms of the mechanisms that organise body plans; illustrate the adaptations of animals to different lifestyles in different habitats; examine the causes of mass extinctions and new waves of adaptive radiation; to analyse the interactions of human beings with other animals.

*Course Co-ordinator:* Prof Roderic Page

## 1LAP BASIC GENETICS 2 (1A)

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures are on Mondays and Wednesdays at 9.00 am or 1.00 pm; two laboratories; optional tutorials.

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Assessment:* The course will be assessed by means of a 90-min examination paper in the December diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: present the principles of eukaryotic transmission genetics and their applications in genetic analysis; describe the nature of the gene and to show how genes function in development and affect the phenotype of the organism; enable students to appreciate the role of genetics in the study of many fields of biology.

*Course Co-ordinator:* Dr Roger Sutcliffe

### **3YAV BIOLOGICAL CLOCKS 2 (11A)**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures Tuesday and Thursday at 11.00 am; group project.

*Requirements of entry:* None

*Assessment:* The course will be assessed by means of a 90-min examination paper in the December diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: enable you to appreciate a biological phenomenon across the spectrum of biology from the molecular to the behavioural viewpoint; encourage you, in addition to learning factual information, to work effectively within in a group and to communicate with clarity; introduce you to the human relevance and commercial applications of the study of biological rhythms.

*Course Co-ordinator:* Dr Pamela Scott

### **1MFP BIOMETRICS 2 (14B)**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures on Monday and Tuesday at 5pm.

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* Any Level 1 Statistics course; 2CHB Statistics 1C: Statistics for Psychologists and Social Scientists; 2CJB Statistics 1R: Probability; 2CKB Statistics 1S: Statistical Methods; 2CLB Statistics 1T: Design Of Experiments and Analysis Of Variance; 2CMB Statistics 1X: Statistical Methods for Paired Data; 409B Statistics 1 (Ord); 413P Statistics 1 Half (Ord); 4RHU Statistics 1Y: Probability and Statistical Methods; 4RJU Statistics 1Z: Design Of Experiments and Analysis Of Variance; 8T9B Statistics 1A; 8W9B Statistics 1B: Practical Statistics

*Assessment:* The course will be assessed by means of a 90-min examination paper in the May diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: introduce basic techniques for the collection and presentation of data; introduce some fundamental models for data; introduce some basic concepts in statistical inference.

*Course Co-ordinator:* Dr Vincent MacAulay

### **JJEV BUILDING AN ORGANISM: GENES, CELLS AND DEVELOPMENT 2 (10A)**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures on Tuesdays and Thursdays at 2pm.

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Excluded Courses:* 9b: Reproduction and the Embryo (1LYP) and 12b: Development: Cells, Molecules and Genes (1MCP)

*Assessment:* The course will be assessed by means of a 90-min examination paper in the December diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: provide a basic understanding of development in animals and plants; illustrate the cellular and genetic basis of development; provide an introduction to the concepts of development which prepares students for further studies at the cellular, molecular and organismal levels; provide practical experience of studying development.

*Course Co-ordinator:* Prof Gareth Jenkins

### **JFZV CELLS AND TISSUES IN HEALTH AND DISEASE 2 (8B)**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures either Thursday and Friday at 9.00am (Group 1 students) or Thursday and Friday at 12.00pm (Group 2 students)

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Excluded Courses:* 2a: Cells: Structure and Function (1LBP) and 8b: Human Tissues in Health and Disease (1LXP)

*Assessment:* The course will be assessed by means of a 90-min examination paper in the May/June diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: describe how cells are studied; provide knowledge of the basic structure of cells; introduce students to microanatomical aspects of tissues; stress the interactions between



structural and functional characteristics; describe the changes resulting from disease processes.

*Course Co-ordinator:* Dr Maureen Griffiths

## 1LWP DRUGS AND DISEASE 2 (7B)

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* 19 lectures and 1 laboratory. Group 1: Monday and Wednesday at 9.00am; Group 2: Monday and Wednesday at 12.00noon

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Assessment:* The course will be assessed by means of a 90-min examination paper in the May diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: introduce the principles of pharmacology; describe the effects, mechanisms of action and clinical uses of drugs; outline the processes of drug development.

*Course Co-ordinator:* Dr Stephen Yarwood

## MKAV ECOLOGY AND CONSERVATION 2 (1C)

*Credits:* 20

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* 1-hour lectures. Semester 1: noon on Tuesday and Thursday Semester 2: 11am on Tuesday and Thursday

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 biology courses and in either Chemistry-1 or Science Fundamentals-1X and 1Y.

*Excluded Courses:* Ecology 2 (1LHP), Conservation Biology 2 (3YDV) and Ecology & Conservation 2 half (MJXV).

*Assessment:* The course will be assessed by means of a 2-hour examination paper in the May diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: provide a basic understanding of the interactions which control the distribution and abundance of animals and plants as species, populations and communities; outline the main threats to wild plants, animals and habitats; discuss why conservation is necessary and important; outline the biological bases of conservation practice; illustrate conservation-in-action by means of detailed case studies.

*Course Co-ordinator:* Dr Stewart White

## 1LTP ENERGY METABOLISM 2 (14A)

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Group 1 Monday at 12:00 and Friday at 9:00; Group 2 Monday at 17:00 and Friday at 13:00; one laboratory, a post-lab and a tutorial.

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Assessment:* The course will be assessed by means of a 90-min examination paper in the December diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are to: show how solar energy is used by microorganisms and plants to generate chemical energy; show how this chemical energy is used by these organisms to synthesize sugars from carbon dioxide; describe the common chemical pathways by which living organisms metabolize carbohydrate, and the crucial role of membranes and hydrogen ion gradients in obtaining chemical energy from this; describe the specific roles of various mammalian tissues in the provision, utilization and storage of carbohydrate, fatty acid and triglyceride in the fed and fasted state and during exercise; describe how atmospheric nitrogen is converted to amino acids by organisms symbiotic with plants, and how amino acids in animals are synthesized and broken down.

*Course Co-ordinator:* Dr Maureen Griffiths

## 1LMP EVOLUTIONARY BIOLOGY 2 (2B)

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures Wednesday and Thursday at 5pm.

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade. Some students will benefit from having completed the level-2 Basic Genetics (1A) course.

*Assessment:* The course will be assessed by means of a 90-min examination paper in the May diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to show how current studies of genetic variation and taxonomy can be integrated to provide new insights into evolution, population biology and biodiversity; to introduce the methods used in reconstructing evolutionary trees, and discuss the role of phylogenies in understanding evolutionary processes; to show how evolutionary processes are reflected in the development of organisms and in their behaviour; to describe and interpret macroevolutionary processes including species extinction.

*Course Co-ordinator:* Dr Mark Bailey

## 0DRV EXERCISE SCIENCE 2 (18B)

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures at 11am Monday and 9am Tuesday; 2 practicals

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Assessment:* The course will be assessed by means of a 90-min examination paper in the May diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: expand the students' understanding of physiology in active humans; expand the students' understanding of physical activity, well being and health; allow students to study science in the context of sports performance.

*Course Co-ordinator:* Dr Jason Gill

## **OXWV EXTREME BIOLOGY 2 (15B)**

*Credits:* 10 *Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Tuesdays 12-13 and Wednesday 10-11

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Assessment:* The course will be assessed by means of a 90-min examination paper in the May diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are: to create an understanding of how key biological processes can be modulated to function in extreme conditions and where the limits are; to offer a fully integrated view of biology; to provide the chance for independent investigation.

*Course Co-ordinator:* Dr Anna Amtmann

## **JGHV FORENSIC BIOSCIENCE 2 (2A)**

*Credits:* 10 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures Monday and Wednesday at 1pm.

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Assessment:* The course will be assessed by means of a 90-min examination paper in the December diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are: to provide students with an insight to the science which forms the basis of Forensic Bioscience; to demonstrate the importance of Forensic Bioscience in the provision of evidence relating to a crime or identity of individuals.

*Course Co-ordinator:* Mrs Angela Watt

## **1LGP HUMAN FORM AND FUNCTION 2 (7A)**

*Credits:* 10 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures either Tuesday and Thursday at 9.00am (Group 1 students) or Tuesday and Thursday at 1.00pm (Group 2 students); two practicals.

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Co-requisites:* None

*Assessment:* The course will be assessed by means of a 90-min examination paper in the December diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are: to introduce students primarily to gross topographical aspects of the human body stressing the interactions between structural and functional characteristics; to provide knowledge of those features of the basic body plan which have been uniquely adapted in humans including prehension, the erect gait and aspects of human speech; to provide an introduction to human form and function which prepares students for further study of Human Biology.

*Course Co-ordinator:* Prof Robert Smith

## **JGWV HUMAN PHYSIOLOGY 2 (3A)**

*Credits:* 10 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures either Tuesday and Thursday at 9.00am (Group 1 students) or Tuesday and Thursday at 1.00pm (Group 2 students); one practical

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Excluded Courses:* 3a: Physiological Systems I (1LCP) and 4b: Physiological Systems II (1LPP)

*Assessment:* The course will be assessed by means of a 90-min examination paper in the December diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to provide an introduction to integrative physiology using examples from the cardio-respiratory, gastrointestinal and endocrine systems.

*Course Co-ordinator:* Dr Michael Lucas

## **7NWW IMMUNOLOGY 2 (13A)**

*Credits:* 10 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Two 1-hour Lectures per week (Mondays and Wednesdays at 09:00). One class test and one essay (in a lecture slot).

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Assessment:* The course will be assessed by means of a 90-min examination paper in the December diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are: to introduce students to the immune system, how it distinguishes self from non-self and responds appropriately; to promote an appreciation of the consequences of perturbations in immune function in the context of infectious disease, autoimmunity, allergy and transplantation; to explain the importance of the immune system and how it can be usefully manipulated e.g. immunotherapy or vaccination.

*Course Co-ordinator:* Dr J Gracie

### 1LN1 INFECTION AND IMMUNITY 2 (3B)

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures either Monday and Wednesday at 1.00pm (Group 1 students) or Monday and Wednesday at 4.00pm (Group 2 students).

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Assessment:* The course will be assessed by means of a 90-min examination paper in the May diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are to consider selected examples of bacterial, parasite, viral and fungal pathogens, and prions, in order to develop an understanding of: how these agents infect their hosts; how they evade or subvert the innate and acquired defences of the host immune system; how they cause disease; how they can be controlled; how the immune system can be manipulated by vaccines, where appropriate, to establish immunity in advance of infection.

*Course Co-ordinator:* Dr Roger Parton

### MJYV MICROBIOLOGY 2 (2C)

*Credits:* 20

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Lectures Wednesday and Friday at noon in Semester 1, and Friday at 10am in Semester 2.

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1

biology courses and in either Chemistry-1 or Science Fundamentals-1X and 1Y.

*Excluded Courses:* 1LJP Microorganisms 2 (9a), 7NXV Practical Microbiology 2 (11b) and MJZV Microbiology 2 (half)

*Assessment:* The course will be assessed by means of a 2-hour examination paper in the May diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: highlight the unique aspects of microorganisms and their diversity; provide an introduction to the beneficial and detrimental activities of microorganisms; provide a broad-based introduction to practical and applied aspects of Microbiology; highlight the industrial and economic impact of microbiology; provide a broad-based introduction to Microbiology which prepares students for further studies in the subject.

*Course Co-ordinator:* Dr John Coote

### 1LLP MOLECULAR GENETICS 2 (1B)

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures Thursday and Friday at 1.00 pm; two practicals and optional tutorials

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Co-requisites:* 1LAP Basic Genetics 2 (1A)

*Assessment:* The course will be assessed by means of a 90-min examination paper in the May/June diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: develop the theme of the molecular nature of the gene and its application in the study of microbial genetics; describe the nature of eukaryotic genome organisation and the role of genes in development; demonstrate the principles of recombinant DNA technology, and its use in medical genetic research.

*Course Co-ordinator:* Dr Kevin O'Dell

### MJVV MOLECULES OF LIFE 2 (3C)

*Credits:* 20

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Semester 1: Group 1 Monday at 12:00 and Friday at 9:00; Group 2 Monday at 17:00 and Friday at 13:00. Semester 2: Group 1 Thursday and Friday at 9:00; Group 2 Thursday and Friday at 12:00. Both groups will run in Semester 1, but if small enough cohort of students, only Group 1 will run in Semester 2.

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 biology courses and in either Chemistry-1 or Science Fundamentals-1X and 1Y.

*Excluded Courses:* 1LEP Proteins: Structure and Function 2, 1LFP Nucleic Acids: Structure and Function 2 and MJWV Molecules of Life 2 (half)

*Assessment:* The course will be assessed by means of a 2-hour examination paper in the May diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims are: to present an introductory account of; (1) information storage and flow from the base sequence in DNA through mRNA to the primary structure and folding of proteins, (2) the relationships between the structures and functions of proteins involved in catalysis, signalling and transport, and (3) the structures and replication of nucleic acids; to prepare students for further studies in the fields of biochemistry, genetics and molecular cell biology; to provide practical experience of modern methods for the analysis of DNA and proteins.

*Course Co-ordinator:* Mrs Angela Watt

## **JGZV NEUROSCIENCE AND BEHAVIOUR 2 (10B)**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures either Monday & Wednesday at 9am (Group 1 students) or Monday & Wednesday at 12noon (Group 2 students); two practicals.

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Excluded Courses:* 10a: Neuroscience and Behaviour (0ZXV) and 10a: Neuroscience (1LKP)

*Assessment:* The course will be assessed by means of a 90-min examination paper in the May diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims of this course are to: Provide an introduction to the structure and function of nerve cells and how they communicate with one another; Show how neurones in different parts of the nervous system are arranged and connected and how they interact; Show how simple nervous systems generate behaviour; Show how nervous systems have evolved greater complexity of structure and function; Show how complex, motivated behaviour arises. Show how complex behaviour develops; Show how behaviour contributes to Darwinian fitness.

*Course Co-ordinator:* Prof Felicity Huntingford

## **2KXP PHYSICAL PRINCIPLES OF BIOLOGICAL PROCESSES 2 (16B)**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* 20 lectures, five x 1-hour practicals. Lectures: Thursday and Friday at 1.00 pm.

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Assessment:* The course will be assessed by means of a 90-min examination paper in the May diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are: to show that different static positions of the body, and the stances of animals, are subject to forces which require specific muscular action; to demonstrate that the different sizes of living organisms subject the tissues to different stresses and strains, and that there are important consequences for the forms and the movements of animals and plants depending on whether they are large or small; to discuss the different types of motion exhibited by animals on land, in water and in the air; to be familiar with elementary thermodynamic concepts relating to free energy and energy transformation processes; to understand the importance of diffusion and the implications for organisms of the much higher diffusion rates of gases in air than in water; to recognise that different mechanisms exist for the transfer of heat and understand how animals control their body temperature in air and water.

*Course Co-ordinator:* Dr Ross Galloway

## **4HFV PLANT SCIENCE: FOOD AND FAMINE 2 (5B)**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures Monday and Thursday at 10.00 am; and one tutorial

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Assessment:* The course will be assessed by means of a 90-min examination paper in the May diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: show how the growth and development of plants are regulated by their environment; describe the role of internal regulators and differential gene expression in these control processes; show how food production from plants is affected by biotic and abiotic stress factors; discuss the role of plant breeding and genetic engineering in maintaining and improving food production in a changing global environment.

*Course Co-ordinator:* Dr Peter Dominy

## **5LAV PLANTS, POLLUTION AND GLOBAL CHANGE 2 (12A)**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures are on Tuesday 10.00am and Thursday 10.00am, weeks 1-8. Tutorials: Weeks 7-12, to be arranged.

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade. (For students on the Environmental Design degree, normally a grade D in Environmental Science 1).

*Assessment:* The course will be assessed by means of a 90-min examination paper in the December diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: understand the complex interactions between plants and animals principally humans, at different levels of ecological organisation; understand the impacts of global-scale changes (eg global warming, pollution, eutrophication) on plant animal interactions.

*Course Co-ordinator:* Dr Peter Dominy

## **JHQV REPRODUCTION AND DEVELOPMENT 2 (9B)**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures on Wednesday and Friday at 11 am

*Requirements of entry:* Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

*Excluded Courses:* 1LYP Reproduction and the Embryo (9b) 1MCP Development: Cells, Molecules and Genes (12b)

*Assessment:* The course will be assessed by means of a 90-min examination paper in the May diet (70%) and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The overall aims of the course are to: introduce students to the physiology, anatomy, biochemistry and ecology of reproduction; provide an understanding of the development of animals; provide an understanding of the vertebrate embryo and the control of its development.

*Course Co-ordinator:* Dr Sarah MacKay

## **500H ANATOMY 3H**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Human Physiology 2; Human Form & Function 2; Drugs & Disease 2; Neuroscience & Behaviour 2; At least D grades are normally required in

all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad-based knowledge and understanding of the subject which is appropriate for further study at the final year Honours level or for employment as a BSc Ordinary graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To introduce you to the use of computers in Anatomy.

*Honours Course Prescription:* 87XC Anatomy 3 and 87XN Human Biology H3

*Course Co-ordinator:* Prof Anthony Payne

## **8HFW ANIMAL BIOLOGY 3**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Animal Diversity 2; Ecology 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* The course will be assessed by means of examination in the spring diet and in-course assessment. The published result will be based on the best 75% of the assessment to reconcile the non-Honours nature of the course (as specified by the ILOs) with the fact that teaching is shared with students taking related courses at Honours level. See the Course Information Document for more details.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with broad-based knowledge and understanding of Animal Biology which is appropriate for employment as a BSc Designated Degree graduate in a wide range of employments; To provide you with the basic practical skills and an introduction to laboratory and field techniques in Animal Biology; To develop skills relating to the systematic acquisition of factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To introduce you to the use of computers in Animal Biology.

*Course Co-ordinator:* Dr Isabel Coombs

### 502H BIOCHEMISTRY 3H

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: 5a: Proteins: Structure & Function 2; 6a: Nucleic Acids: Structure & Function 2; 6b: Energy Metabolism 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a broad-based knowledge and understanding of the subject which is appropriate for further study at the final year Honours level, or for employment as a BSc designated degree graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To develop skills in Bioinformatics.

*Honours Course Prescription:* 87XR Biochemistry 3A and 87XK Biochemistry 3B

*Course Co-ordinator:* Dr Brian Smith

### JGFH BIOMEDICAL SCIENCES 3H

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: 5a: Proteins: Structure & Function 2; 6a: Nucleic Acids: Structure & Function 2; 6b: Energy Metabolism 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a broad-based knowledge and understanding of the subject which is appropriate for further study at the final year Honours level, or for employment as a BSc Designated degree graduate in a wide range of

employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To develop skills in Bioinformatics.

*Honours Course Prescription:* 87XF Biomedical Sciences 3A and 87XD Biomedical Sciences 3B

*Course Co-ordinator:* Dr Brian Smith

### 8GLW BIOMOLECULAR SCIENCES (BIOCHEMISTRY) 3

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: 5a: Proteins: Structure & Function 2; 6a: Nucleic Acids: Structure & Function 2; 6b: Energy Metabolism 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* The course will be assessed by means of examination in the spring diet and in-course assessment. The published result will be based on the best 75% of the assessment to reconcile the non-Honours nature of the course (as specified by the ILOs) with the fact that teaching is shared with students taking related courses at Honours level. See the Course Information Document for more details.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a broad-based knowledge and understanding of the subject which is appropriate for employment as a BSc designated degree graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To develop skills in Bioinformatics.

*Course Co-ordinator:* Dr Brian Smith

### 8KXW BIOMOLECULAR SCIENCES (GENETICS) 3

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Basic Genetics 2; Evolutionary Biology 2; Molecular Genetics 2; Nucleic Acids: Structure & Function 2; Proteins: Structure & Function 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* The course will be assessed by means of examination in the spring diet and in-course assessment. The published result will be based on the best 75% of the assessment to reconcile the non-Honours nature of the course (as specified by the ILOs) with the fact that teaching is shared with students taking related courses at Honours level. See the Course Information Document for more details.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course aims to foster: appreciation of the continuity of classical and molecular genetics: the classical foundations of molecular genetics and the application of both to understanding of populations and evolution; appreciation of the broad application of genetics within modern biology, biotechnology and medicine; understanding that research involves serious thought and reliable experimentation, and that scientific knowledge can be hard won; a sense of the excitement of a rapidly-advancing field of study; successful completion of an important step on the road to a rewarding career.

*Course Co-ordinator:* Dr Kevin O'Dell

### **8GNW BIOMOLECULAR SCIENCES (MOLECULAR & CELLULAR BIOLOGY) 3**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Basic Genetics 2; Proteins 2; Nucleic Acids 2; Molecular Genetics 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* The course will be assessed by means of examination in the spring diet and in-course assessment. The published result will be based on the best 75% of the assessment to reconcile the non-Honours nature of the course (as specified by the ILOs) with the fact that teaching is shared with students taking related courses at Honours level. See the Course Information Document for more details.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with the means of acquiring broad-based knowledge and unified understanding of biology, from genomics via gene expression and macromolecular structure, to cells, tissues and organisms; To

help you develop basic laboratory skills and provide you with experience of major techniques (such as those of DNA manipulation, cell culture and bioinformatics) used in molecular and cellular biology; To give you practice in problem-solving, in use of important communication skills, such as written and verbal presentation of information, and in collaboration in groups; To develop your appreciation of the importance of the concepts, data and techniques of contemporary biology to the future well-being of mankind, and of the ethical issues which these raise; To prepare you for one of many forms of employment as a BSc designated degree graduate.

*Course Co-ordinator:* Dr Susan Rosser

### **2KTH BIOTECHNOLOGY 3H**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Basic Genetics 2; Proteins 2; Nucleic Acids 2; Molecular Genetics 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with the means of acquiring broad-based knowledge and unified understanding of biology, from genomics via gene expression and macromolecular structure, to cells, tissues and organisms; To help you develop basic laboratory skills and provide you with experience of major techniques (such as those of DNA manipulation, cell culture and bioinformatics) used in molecular and cellular biology; To give you practice in problem-solving, in use of important communication skills, such as written and verbal presentation of information, and in collaboration in groups; To develop your appreciation of the importance of the concepts, data and techniques of contemporary biology to the future well-being of mankind, and of the ethical issues which these raise; To prepare you for advanced study of specialised biological topics and conduct of a research project, in final Honours year, or for one of many forms of employment as a BSc designated degree graduate.

*Honours Course Prescription:* 87WU Biotechnology 3A and 87XQ Biotechnology 3B

*Course Co-ordinator:* Dr Susan Rosser

### **4NWW ESSENTIAL MOLECULAR BIOLOGY 3**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Most lectures will be at 9.00 am (occasionally at other times). Laboratories will be between 10.00 am and 5.00 pm on certain days.

*Requirements of entry:* Normally, at least 60 credits at grade D, including 20 credits at grade C, or above in Biology courses above Level-1. These should include: 5a: Proteins: Structure & Function 2; 6a: Nucleic Acids: Structure & Function 2; 6b: Energy Metabolism 2; At least D grades are normally required in all prerequisite subjects. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Co-requisites:* MEMW Organic chemistry 3 (half) MENW Inorganic chemistry 3 (half) MEPW Physical chemistry 3 (half)

*Excluded Courses:* Biochemistry 3H, Medical Biochemistry 3H, Biochemistry 3A, Biochemistry 3B

*Assessment:* The course will be assessed by means of two 90-min examination papers (70%) in the May / June diet and in-course assessment (30%). The published result will be based on the best 75% of the assessment to reconcile the non-Honours nature of the course (as specified by the ILOs) with the fact that teaching is shared with students taking related courses at Honours level.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a broad-based knowledge and understanding of the subject which is appropriate for employment as a BSc designated degree graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To develop skills in Bioinformatics.

*Course Co-ordinator:* Dr Brian Smith

### 505H GENETICS 3H

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Basic Genetics 2; Evolutionary Biology 2; Molecular Genetics 2; Nucleic Acids: Structure & Function 2; Proteins: Structure & Function 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course aims to foster: appreciation of the continuity of classical and molecular genetics: the classical foundations of molecular genetics and the application of both to understanding of populations and evolution; appreciation of the broad application of genetics within modern biology, biotechnology and medicine; understanding that research involves serious thought and reliable experimentation, and that scientific knowledge can be hard won; a sense of the excitement of a rapidly advancing field of study; successful completion of an important step on the road to a rewarding career.

*Honours Course Prescription:* 87XB Genetics 3A and 87XS Genetics 3B

*Course Co-ordinator:* Dr Kevin O'Dell

### 8GYW HUMAN BIOLOGY (NEUROSCIENCE) 3

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Human Physiology 2; Human Form & Function 2; Drugs & Disease 2; Neuroscience & Behaviour 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* The course will be assessed by means of examination in the spring diet and in-course assessment. The published result will be based on the best 75% of the assessment to reconcile the non-Honours nature of the course (as specified by the ILOs) with the fact that teaching is shared with students taking related courses at Honours level. See the Course Information Document for more details.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad-based knowledge and understanding of the subject which is appropriate for employment as a BSc Designated Degree graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To introduce you to the use of computers in Biological Sciences.

*Course Co-ordinator:* Dr John Riddell

### 8HBW HUMAN BIOLOGY (PHYSIOLOGY) 3

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)



*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Human Physiology 2; Human Form & Function 2; Drugs & Disease 2; Neuroscience & Behaviour 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* The course will be assessed by means of examination in the spring diet and in-course assessment. The published result will be based on the best 75% of the assessment to reconcile the non-Honours nature of the course (as specified by the ILOs) with the fact that teaching is shared with students taking related courses at Honours level. See the Course Information Document for more details.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad-based knowledge and understanding of the subject which is appropriate for employment as a BSc Designated degree graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To introduce you to the use of computers in Biological Sciences.

*Course Co-ordinator:* Dr Michael Lucas

#### **4YTW INFECTION BIOLOGY 3**

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: 9a: Microorganisms 2; 3b: Infection & Immunity 2; 11b: Practical Microbiology 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* The course will be assessed by means of examination in the spring diet and in-course assessment. The published result will be based on the best 75% of the assessment to reconcile the non-Honours nature of the course (as specified by the ILOs) with the fact that teaching is shared with students taking related courses at Honours level. See the Course Information Document for more details.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad-based knowledge and understanding of the subject which is appropriate

for employment as a BSc Designated degree graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills related to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To introduce you to the use of computers in Biological Sciences.

*Course Co-ordinator:* Dr Mary Tatner

#### **JFRH MARINE & FRESHWATER BIOLOGY 3H**

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Animal Diversity; Ecology; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Excluded Courses:* Aquatic Bioscience 3H (1B3H)

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with broad-based knowledge and understanding of Marine & Freshwater Biology which is appropriate for the further study of Marine & Freshwater Biology at the final year Honours level or for employment as a BSc Designated Degree graduate in a wide range of employments; to provide you with the basic practical skills and an introduction to laboratory and field techniques in Marine & Freshwater Biology; to develop skills relating to the systematic acquisition of factual information and data; to provide you with opportunities to practise and improve written and oral communication skills; to introduce you to the use of computers in Marine & Freshwater Biology.

*Honours Course Prescription:* 87WX Marine & Freshwater Biology 3A and 87WW Marine & Freshwater Biology 3B

*Course Co-ordinator:* Dr Isabel Coombs

#### **4P7H MEDICAL BIOCHEMISTRY 3H**

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: 5a: Proteins: Structure & Function 2; 6a: Nucleic Acids: Structure & Function 2; 6b: Energy

Metabolism 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a broad-based knowledge and understanding of the subject which is appropriate for further study at the final year Honours level, or for employment as a BSc designated degree graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To develop skills in Bioinformatics.

*Honours Course Prescription:* 87XR Biochemistry 3A and 87XK Biochemistry 3B

*Course Co-ordinator:* Dr Brian Smith

### 511H MICROBIOLOGY 3H

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: 9a: Microorganisms 2 3b: Infection & Immunity 2 11b: Practical Microbiology 2 At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad-based knowledge and understanding of the subject which is appropriate for further study at the final year Honours level, or for employment as a BSc Designated degree graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills related to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To introduce you to the use of computers in Biological Sciences.

*Honours Course Prescription:* 87XL Pathogen Biology 3A and 87WZ Pathogenesis of Infectious Diseases 3B

*Course Co-ordinator:* Dr Mary Tatner

### 4YPH MOLECULAR & CELLULAR BIOLOGY 3H

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Basic Genetics 2; Proteins 2; Nucleic Acids 2; Molecular Genetics 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with the means of acquiring broad-based knowledge and unified understanding of biology, from genomics via gene expression and macromolecular structure, to cells, tissues and organisms; To help you develop basic laboratory skills and provide you with experience of major techniques (such as those of DNA manipulation, cell culture and bioinformatics) used in molecular and cellular biology; To give you practice in problem-solving, in use of important communication skills, such as written and verbal presentation of information, and in collaboration in groups; To develop your appreciation of the importance of the concepts, data and techniques of contemporary biology to the future well-being of mankind, and of the ethical issues which these raise; To prepare you for advanced study of specialised biological topics and conduct of a research project, in final Honours year, or for one of many forms of employment as a BSc designated degree graduate.

*Honours Course Prescription:* 87XJ Molecular & Cellular Biology 3A and 87XE Molecular & Cellular Biology 3B

*Course Co-ordinator:* Dr Susan Rosser

### 4C1H NEUROSCIENCE 3H

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Human Physiology 2; Human Form & Function 2; Drugs & Disease 2; Neuroscience & Behaviour 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive,

and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad-based knowledge and understanding of the subject which is appropriate for further study at the final year Honours level, or for employment as a BSc Designated Degree graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To introduce you to the use of computers in Biological Sciences.

*Honours Course Prescription:* 87XG Neuroscience 3 and 87XN Human Biology H3

*Course Co-ordinator:* Dr John Riddell

### 517H PARASITOLOGY 3H

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: 9a: Microorganisms 2; 3b: Infection & Immunity 2; 11b: Practical Microbiology 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad-based knowledge and understanding of the subject which is appropriate for further study at the final year Honours level, or for employment as a BSc Designated degree graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills related to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To introduce you to the use of computers in Biological Sciences.

*Honours Course Prescription:* 87XL Pathogen Biology 3A and 87WZ Pathogenesis of Infectious Diseases 3B

*Course Co-ordinator:* Dr Mary Tatner

### 408H PHARMACOLOGY 3H

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Human Physiology 2; Human Form & Function 2; Drugs & Disease 2; Neuroscience & Behaviour 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad-based knowledge and understanding of the subject which is appropriate for further study at the final year Honours level, or for employment as a BSc Designated Degree graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To introduce you to the use of computers in Biological Sciences; To develop an appreciation of the ethics of Science.

*Honours Course Prescription:* 87XH Pharmacology 3 and 87XN Human Biology H3

*Course Co-ordinator:* Dr Dorothy Aidulis

### 427H PHYSIOLOGY & SPORTS SCIENCE 3H

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level 1; these should include: Human Physiology 2; Human Form & Function 2; Neuroscience & Behaviour 2; Energy Metabolism 2 OR Physical principles of Biological Processes 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad-based knowledge and understanding of Physiology and Sports Science which is appropriate for the further study or for employment as a BSc graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques in Physiology and Sports Science; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To extend your computer skills.

*Honours Course Prescription:* 87XM Physiology & Sports Science 3A and 87WV Physiology & Sports Science 3B

*Course Co-ordinator:* Dr Barbara Cogdell

### 507H PHYSIOLOGY 3H

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Human Physiology 2; Human Form & Function 2; Drugs & Disease 2; Neuroscience & Behaviour 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad-based knowledge and understanding of the subject which is appropriate for further study at the final year Honours level, or for employment as a BSc Designated degree graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To introduce you to the use of computers in Biological Sciences.

*Honours Course Prescription:* 87XA Physiology 3 and 87XN Human Biology H3

*Course Co-ordinator:* Dr Michael Lucas

### 507F PHYSIOLOGY 3H (COMBINED)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* As arranged.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Human Physiology 2; Human Form & Function 2; Drugs & Disease 2; Neuroscience & Behaviour 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Excluded Courses:* Physiology-3H, Human Biology-3

*Assessment:* The course will be assessed by means of a 1-hour examination (10%) in the winter diet, two 90-minute examinations (60%) in the spring diet and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The Combined Honours programme in Physiology allows the students to study in depth selected areas of physiology. The physiology component of the programme covers homeostatic mechanisms: the control and regulation of the internal processes of the body and neurophysiology, including information processing in the nervous system.

*Course Co-ordinator:* Dr James Morrison

### 6E1H PLANT SCIENCE 3H

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: 5b: Plant Science: Food & Famine 2; and at least two of: 1a: Basic Genetics 2; 5a: Proteins: Structure & Function 2; 6a: Nucleic Acids: Structure & Function 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with the means of acquiring broad-based knowledge and unified understanding of plant biology, from genomics via gene expression and macromolecular structure, to cells, tissues and organisms. To help you develop basic laboratory skills and provide you with experience of major techniques (such as those of DNA manipulation, cell culture and bioinformatics) used in molecular and cellular biology. To give you practice in problem-solving, in use of important communication skills, such as written and verbal presentation of information, and in collaboration in groups. To develop your appreciation of the importance of the concepts, data and techniques of contemporary biology to the future well-being of mankind, and of the ethical issues which these raise. To prepare you for advanced study of specialised biological topics and conduct of a

research project, in final Honours year, or for one of many forms of employment as a BSc designated degree graduate.

*Honours Course Prescription:* 87WY Plant Science 3A and 87WT Plant Science 3B

*Course Co-ordinator:* Dr Peter Dominy

### 6GAW SPORTS SCIENCE 3

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level 1; these should include: Human Physiology 2; Human Form & Function 2; Neuroscience & Behaviour 2; Energy Metabolism 2 OR Physical principles of Biological Processes 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* The course will be assessed by means of examination in the spring diet and in-course assessment. The published result will be based on the best 75% of the assessment to reconcile the non-Honours nature of the course (as specified by the ILOs) with the fact that teaching is shared with students taking related courses at Honours level. See the Course Information Document for more details.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad-based knowledge and understanding of Sports Science which is appropriate for employment as a BSc graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques in Sports Science; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To extend your computer skills.

*Course Co-ordinator:* Dr Barbara Cogdell

### 821H VIROLOGY 3H

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: 9a: Microorganisms 2; 3b: Infection & Immunity 2; 11b: Practical Microbiology 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad-based knowledge and understanding of the subject which is appropriate for further study at the final year Honours level, or for employment as a BSc Designated degree graduate in a wide range of employment; To provide you with the basic practical skills and an introduction to laboratory techniques; To develop skills related to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To introduce you to the use of computers in Biological Sciences

*Honours Course Prescription:* 87XL Pathogen Biology 3A and 87WZ Pathogenesis of Infectious Diseases 3B

*Course Co-ordinator:* Dr Mary Tatner

### 509H ZOOLOGY 3H

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory work, tutorials, seminars etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Animal Diversity 2; Ecology 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with broad-based knowledge and understanding of Zoology which is appropriate for the further study of Zoology at the final year Honours level or for employment as a BSc Designated Degree graduate in a wide range of employments; To provide you with the basic practical skills and an introduction to laboratory and field techniques in Zoology; To develop skills relating to the systematic acquisition of factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To introduce you to the use of computers in Zoology.

*Honours Course Prescription:* 87XP Zoology 3A and 87XT Zoology 3B

*Course Co-ordinator:* Dr Isabel Coombs

### 0XYF ZOOLOGY 3H (COMBINED)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratory practical exercises, discussions and tutorials etc as organised.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1; these should include: Animal Diversity 2; Ecology 2; At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Excluded Courses:* Zoology 3H, Animal Biology (Zoology) 3

*Assessment:* The course will be assessed by means of two 90-minute examinations (70%) in the May diet and in-course assessment (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide general knowledge and understanding of Zoology which is appropriate for further studies of Zoology at the final year Honours level, or for employment as a BSc graduate in a wide range of fields; To provide basic practical skills and an introduction to laboratory and field techniques in Zoology; To develop skills relating to the systematic acquisition of factual information and data; To develop the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide opportunities to practise and improve written and oral communication skills; To introduce the use of computers in Zoology.

*Course Co-ordinator:* Dr Jan Lindstrom

## 500J ANATOMY 4H

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Anatomy 3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Aims:* To provide you with in depth knowledge and understanding of Anatomy; To provide you with practical skills in laboratory techniques; To encourage independent thinking in the execution of an Honours research project; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To use computers effectively in the study of Anatomy.

*Honours Course Prescription:* Anatomy Project 4, Anatomy Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Prof Anthony Payne

## 502J BIOCHEMISTRY 4H

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Level 3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Aims:* To describe the current state of knowledge and aims of research in defined areas; to develop a range of investigative skills including: assessing the literature in a specific field, planning and carrying out an investigation, and analysing the results, mastering a defined group of practical skills (not necessarily laboratory-based), organising and presenting written and oral reports.

*Honours Course Prescription:* Biochemistry/Medical Biochemistry Project & Dissertation 4, Biochemistry/Medical Biochemistry Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Prof Gwyn Gould

## 2KGJ BIOMEDICAL SCIENCES 4H

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Biomedical Sciences 3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Aims:* To describe the current state of knowledge and aims of research in defined areas; to develop a range of investigative skills including: (1) assessing the literature in a specific field; (2) planning and carrying out an investigation and analysing the results; (3) mastering a defined group of practical skills (not necessarily laboratory based); (4) organising and presenting written and oral reports.

*Honours Course Prescription:* Biomedical Sciences Project & Dissertation 4, Biomedical Sciences Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Prof William Cushley

## 2KTJ BIOTECHNOLOGY 4H

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Biotechnology 3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Aims:* To give you the experience of an individual laboratory-based research project, and a literature-based investigation. To provide you with the opportunity for advanced study of four specialised biological

topics chosen from a series of options. To give you practice in problem-solving, in use of important communication skills, such as written and verbal presentation of information, and in collaboration in groups. To develop your appreciation of the importance of the concepts, data and techniques of contemporary biology to the future well-being of mankind, and of the ethical issues which these raise.

*Honours Course Prescription:* Molecular & Cellular Biology/Biotechnology Project & Dissertation 4, Molecular & Cellular Biology/Biotechnology Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Dr Iain Johnstone

### 505J GENETICS 4H

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Genetics 3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Aims:* Appreciation of the continuity of genetics - although many of the major questions have not changed since the inception of the subject, our ability to answer them has increased dramatically; a knowledgeable overview of the theoretical and practical foundations of classical and molecular genetics; appreciation of the broad application of genetics within modern biology, biotechnology and medicine; in-depth knowledge of selected areas, and confidence that in-depth knowledge of any area is within one's grasp.

*Honours Course Prescription:* Genetics Project & Dissertation 4, Genetics Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Dr Shireen Davies

### JGCJ MARINE & FRESHWATER BIOLOGY 4H

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Marine & Freshwater Biology-3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a deep knowledge and understanding of specific aspects of Marine & Freshwater Biology; To provide you with an opportunity to use the basic practical skills acquired in Level-3 in such a way as to allow you to investigate a novel problem in Marine & Freshwater Biology by means of a project; To develop skills relating to the systematic acquisition of factual

information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To provide you with opportunities to practise and improve your use of computers..

*Honours Course Prescription:* Marine and Freshwater Biology Project 4, Marine and Freshwater Biology Advanced Studies 4, four Honours option courses

*Course Co-ordinator:* Prof Graeme Ruxton

### 4P7J MEDICAL BIOCHEMISTRY 4H

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Level 3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Aims:* To describe the current state of knowledge and aims of research in defined areas; to develop a range of investigative skills including: assessing the literature in a specific field, planning and carrying out an investigation, and analysing the results, mastering a defined group of practical skills (not necessarily laboratory-based), organising and presenting written and oral reports.

*Honours Course Prescription:* Biochemistry/Medical Biochemistry Project & Dissertation 4, Biochemistry/Medical Biochemistry Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Prof Gwyn Gould

### 511J MICROBIOLOGY 4H

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Microbiology 3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Aims:* To consolidate the knowledge and appreciation of Microbiology acquired during Level-2 and Level-3; To introduce the student to the satisfactions and insights of original research work, through the Project; To promote familiarity with scientific methods by analysing the technical data and conclusions in original research papers; To develop familiarity with the use of computers for data analysis, word-processing and graphics; To provide the opportunity for microbiological fieldwork, with laboratory follow-up, through the Marine Microbiology course at the Universities Marine Station, Millport; To prepare students for employment as Honours graduates by a) encouraging them to organise their own programme of work b) developing their motivation and

individual work ethic and c) further developing the ability for concise writing and verbal communication on scientific topics.

*Honours Course Prescription:* Microbiology Project 4, Microbiology Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Dr Gillian Douce

#### **4YPJ MOLECULAR & CELLULAR BIOLOGY 4H**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least Grade D in Level-3H Molecular and Cellular Biology, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Aims:* To give you the experience of an individual laboratory-based research project, and a literature-based investigation. To provide you with the opportunity for advanced study of four specialised biological topics chosen from a series of options. To give you practice in problem-solving, in use of important communication skills, such as written and verbal presentation of information, and in collaboration in groups. To develop your appreciation of the importance of the concepts, data and techniques of contemporary biology to the future well-being of mankind, and of the ethical issues which these raise.

*Honours Course Prescription:* Molecular & Cellular Biology/Biotechnology Project & Dissertation 4, Molecular & Cellular Biology/Biotechnology Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Dr Iain Johnstone

#### **4C1J NEUROSCIENCE 4H**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Neuroscience 3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Aims:* To provide you with the basic practical skills and an introduction to laboratory techniques in Neuroscience; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To further your knowledge of the use of computers in Neuroscience.

*Honours Course Prescription:* Neuroscience Project 4, Neuroscience Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Prof David Maxwell

#### **517J PARASITOLOGY 4H**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Parasitology 3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Aims:* To provide you with a broad-based knowledge and understanding of Parasitology which is appropriate for employment as a BSc Honours graduate; To provide you with research and laboratory skills in Parasitology; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to analyse critically, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To reinforce the use of computers in Parasitology.

*Honours Course Prescription:* Parasitology Project 4, Parasitology Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Prof Jeremy Mottram

#### **408J PHARMACOLOGY 4H**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Pharmacology 3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Aims:* The options in the course are intended to provide students with an in-depth view of current knowledge and research developments in selected areas of pharmacology, including drug metabolism. The research project is intended to provide hands-on experience in a research laboratory or other research environment, and the opportunity to design and perform original experiments, or the opportunity to undertake an in-depth critical analysis of an area of relevant scientific interest.

*Honours Course Prescription:* Pharmacology Project 4, Pharmacology Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Dr Stuart Cobb



**427J PHYSIOLOGY & SPORTS SCIENCE 4H***Credits:* 120*Level:* 4*When Taught:* Full Session (September - March)*Timetable:* As organised.*Requirements of entry:* At least grade D in Physiology & Sports Science-3H, normally at the first attempt.*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.*Degree Examination taken in:* April/May*Aims:* To equip students to serve the community, whether at the level of basic health or of high-level sport, as researchers, teachers, counsellors and leaders in the exercise sciences; To develop the critical appraisal of literature in human and cellular physiology, nutrition and the exercise and sports sciences; To impart transferable skills in relation to the experimental study and structured observation of the human subject, laboratory competence, scientific writing and literature survey, statistical analysis and the use of information technology, together with an appreciation of the philosophy and ethics of science.*Honours Course Prescription:* Physiology and Sports Science Project 4, Physiology and Sports Science Advanced Studies 4, four Honours option courses.*Course Co-ordinator:* Dr Ronald Baxendale**507J PHYSIOLOGY 4H***Credits:* 120*Level:* 4*When Taught:* Full Session (September - March)*Timetable:* As organised.*Requirements of entry:* At least grade D in Physiology 3H, normally at the first attempt.*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.*Degree Examination taken in:* April/May*Aims:* Students will be introduced to the original literature in several areas, as well as becoming familiar with a number of advanced experimental techniques. The aim is to further develop in the student an understanding of experimental procedures including the formulation of a problem, the design of an experiment, the analysis of the results, and the preparation of a written report. A graduate with an Honours Degree in Physiology will have developed the discipline and necessary experimental skills to pursue further advanced studies in Physiology leading to a higher degree. The Honours degree in Physiology also provides a good general education in scientific methods so that a graduate should be able to pursue careers in areas as diverse as Scientific Publishing or Public Health.*Honours Course Prescription:* Physiology Project 4, Physiology Advanced Studies 4, four Honours option courses.*Course Co-ordinator:* Dr Craig Daly**507G PHYSIOLOGY 4H (COMBINED)***Credits:* 60*Level:* 4*When Taught:* Full Session (September - March)*Timetable:* As organised.*Requirements of entry:* At least grade D in Physiology-3 Combined component, normally at the first attempt.*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.*Degree Examination taken in:* April/May*Aims:* The Combined Honours programme in Physiology allows the students to study in depth selected areas of physiology. The physiology component of the programme is divided into two streams; one concerned with homeostatic mechanisms - the control and regulation of the internal processes of the body; and the other covering neurophysiology including information processing in the nervous system.*Honours Course Prescription:* Physiology/Computing Science Project 4 or Physiology/Psychology Project 4, two Honours option courses.*Course Co-ordinator:* Dr James Morrison**3YLJ PHYSIOLOGY, SPORTS SCIENCE AND NUTRITION 4H***Credits:* 120*Level:* 4*When Taught:* Full Session (September - March)*Timetable:* As organised.*Requirements of entry:* At least grade D in Physiology & Sports Science-3H, normally at the first attempt.*Assessment:* Three examination papers (70%). Honours Project (30%). Viva.*Degree Examination taken in:* April/May*Aims:* The aims of the course are: to provide a thorough grounding in the principles of human nutrition with a specialisation in sports nutrition; to equip graduates with the knowledge and skills necessary for a successful career in nutrition, sports nutrition, or sports science; to enable graduates to engage in, and contribute to, current debates about major issues in nutrition and sports nutrition; to provide in-depth training in the skills necessary for engaging in and interpreting nutrition research.*Honours Course Prescription:* Units include: Food, Nutrients, and Dietary Recommendations, Digestion, Absorption and Metabolism, Dietary Assessment Techniques, Body Composition and Energy Expenditure, Nutritional Aspects of Growth, Development and Ageing, Food Choice and Eating Behaviour, Public Health Nutrition, Sports and Exercise Nutrition, Exercise and Public Health. Students will also carry out a substantial research project.*Course Co-ordinator:* Dr Alison Parrett**6E1J PLANT SCIENCE 4H***Credits:* 120*Level:* 4*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Plant Science-3H, normally at first attempt

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Aims:* To provide you with a knowledge and understanding of the Plant Sciences which is appropriate for the further study of the subject at postgraduate level or for employment as a BSc Honours graduate in a wide range of employments; To provide you with practical skills and laboratory techniques in a selected area of the Plant Sciences; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To develop your skills in the use of computers in the Plant Sciences.

*Honours Course Prescription:* Plant Science Project 4, Plant Science Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Dr Joel Milner

## **2BYJ SPORTS MEDICINE 4H**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Physiology & Sports Science 3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Aims:* The aims are that students acquire: communication skills; information retrieval skills; ability to critically review the literature; ability to work in teams; the ability to read, with critical comprehension, current research papers related to exercise and common medical conditions; an understanding of the benefits of regular exercise in the prevention, diagnosis and management of medical conditions. And also to gain an understanding of: basic scientific procedures in experimental research; ethical aspects of medical research, hypothesis generation and experimental design; data collection and analysis.

*Honours Course Prescription:* Sports Medicine Project 4, Sports Medicine Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Dr Paul MacIntyre

## **821J VIROLOGY 4H**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least Grade D in Virology 3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Aims:* To provide students with in depth knowledge and understanding of Virology and practical skills in laboratory techniques; To encourage independent thinking in the execution of an Honours research project; To develop skills relating to the systematic acquisition of factual information and data; To develop in the student the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide students with opportunities to practise and improve written and oral communication skills; To use computers effectively in the study of Virology.

*Honours Course Prescription:* Virology Project 4, Virology Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Dr Sheila Graham

## **509J ZOOLOGY 4H**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Zoology 3H, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Aims:* To provide you with a deep knowledge and understanding of specific aspects of Zoology; To provide you with an opportunity to use the basic practical skills acquired in Level-3 in such a way as to allow you to investigate a novel problem in Zoology by means of a project; To develop skills relating to the systematic acquisition of factual information and data; To develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide you with opportunities to practise and improve written and oral communication skills; To provide you with opportunities to practise and improve your use of computers.

*Honours Course Prescription:* Zoology Project 4, Zoology Advanced Studies 4, four Honours option courses.

*Course Co-ordinator:* Prof Graeme Ruxton

## **0YBG ZOOLOGY 4H (COMBINED)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As organised.

*Requirements of entry:* At least grade D in Zoology 3H Combined, normally at the first attempt.

*Assessment:* Examination in the spring diet and in-course assessment. See the Course Information Document for more detail.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide advanced knowledge and understanding of specific aspects of Zoology; To provide an opportunity to use the basic practical skills acquired in Level-3 in such a way as to allow students to investigate a novel problem by means of a Project; To develop skills relating to the systematic acquisition of factual information and data; To develop the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide opportunities to practise and improve written and oral communication skills; To provide opportunities to practise and improve use of computers.

*Honours Course Prescription:* Zoology/Applied Mathematics Project 4, two Honours option courses.

*Course Co-ordinator:* Dr Jan Lindstrom

## Celtic

### 3YMU CELTIC CIVILISATION 1A

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Monday and Tuesday, 1.00-2.00 pm; Tutorial: Thursday OR Friday 1.00-2.00 pm

*Assessment:* Two essays (1500-2000 words), one worth 20% and the other 30%, and examination (2 hours), 50%.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To enable students to get a coherent picture of salient aspects of the earlier history, institutions, society and culture of the Celtic peoples up to 400 A.D.; to enable students to understand and use critically the source material from which a picture of the ancient Celtic world may be formed.

*Course Co-ordinator:* Dr Katherine Forsyth

### 3YNU CELTIC CIVILISATION 1B

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Monday and Tuesday 1.00-2.00 pm; Tutorial: Thursday OR Friday 1.00-2.00 pm

*Co-requisites:* Normally, Celtic Civilisation 1A

*Assessment:* Two essays (1500-2000 words), each 25% and an examination (two hours), 50%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a coherent picture of salient aspects of the history, societies and culture of the Celtic peoples 400-1200 AD; to enable students to understand and use critically the source materials available for study of this period.

*Course Co-ordinator:* Prof Thomas Clancy

### 162B GAELIC 1A

*Credits:* 40 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Lectures on Monday, Tuesday, Thursday, Friday at 11.00 am and 1 hour tutorial to be arranged.

*Requirements of entry:* A pass in Advanced Higher Gaidhlig, or Higher Gaidhlig, with good comprehension ability in the language.

*Excluded Courses:* Gaelic 1B; Gaelic 1C

*Assessment:* Essay in Gaelic on a topic relating to prose texts to be submitted by the end of week 12 (10%); Essay in Gaelic on a topic relating to poetry texts to be submitted by the end of week 20 (10%); Language practice exercises to be submitted on a weekly basis throughout the year (10%); Continuous assessment of oral competence in conversation class (5%); one 1-hour class test in week 12 (15%); one 2-hour examination paper at the end of the course (35%); an oral examination at the end of the course (15%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) To broaden and deepen the four language skills (reading, writing, listening and speaking) in Gaelic; (2) to introduce a range of Gaelic prose and poetry; (3) to develop an understanding of the historical and social context of the literature studied; (4) to provide a linguistic description of aspects of the language; (5) to encourage the development of appropriate study skills.

*Course Co-ordinator:* Dr M Byrne

### 163B GAELIC 1B

*Credits:* 40 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Lectures on Monday, Tuesday, Thursday, Friday at 2.00 pm, plus one other tutorial hour to be arranged.

*Excluded Courses:* Gaelic 1A, Gaelic 1C

*Assessment:* Language practice exercises will be set twice a week throughout the year, based on the work covered in class (20%); 3 x 1-hour class tests in weeks 6, 12 & 18 (20%); an oral examination in week 12 (10%); one 2-hour examination at the end of the course (35%); oral examination at the end of the course (15%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) to enable students to acquire basic language skills (speaking, listening, reading, writing) in Gaelic; (2) to introduce students to a range of appropriate vocabulary and to the grammatical framework of the language; (3) to study some Gaelic prose texts; (4) to give students an overview of the historical and sociolinguistic context of Gaelic and of the history of Gaelic literature.

*Course Co-ordinator:* Dr Sheila Kidd

### 4GWU GAELIC 1C

*Credits:* 40 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Lectures on Monday, Tuesday, Thursday, Friday at 1.00 pm and 1 further tutorial hour to be arranged.

*Requirements of entry:* Normally a pass in Higher Gaelic (Learners)

*Excluded Courses:* Gaelic 1A, Gaelic 1B

*Assessment:* Essay to be submitted by the end of Week 12 (10%); Review in Gaelic (c.600 words) to be submitted by the end of Week 20 (5%); Weekly language exercises (15%); Continuous assessment of oral competence in conversation class (5%); 1-hour class test in week 12 (15%); One 2-hour examination paper at the end of the course (35%); Oral examination at the end of the course (15%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To build on and develop existing Gaelic language skills (reading, writing, listening and speaking); to introduce students to a range of poetry and prose; to develop an understanding of the historical and social context of the literature studied; to adopt an integrated approach to language practice and oral classes which will reinforce vocabulary and grammar; to encourage the development of appropriate study skills.

*Course Co-ordinator:* Dr M Byrne

## 7FGV CELTIC CIVILISATION 2A

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Monday, Tuesday at 4.00 pm  
Tutorial: Thursday 10.00 am or 4.00 pm

*Requirements of entry:* Normally Celtic Civilisation 1A and 1B at grade D.

*Co-requisites:* Normally, Celtic Civilisation 2B

*Assessment:* Two essays (1500-2000 words), 25% each and examination (2 hours), 50%.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* During the course we will (1) survey the political and cultural changes in Wales, Ireland and Scotland from 1066 until the union of the Scottish and English crowns; (2) compare the effects of political conquest and cultural influence on the status and nature of the relevant Celtic languages during this period; (3) discuss texts and artistic products of this period, and examine them as a source for social and cultural change.

*Course Co-ordinator:* Prof Thomas Clancy

## 7FHV CELTIC CIVILISATION 2B

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Monday, Tuesday 4.00 pm.; Tutorial: Thursday 10.00 am or 4.00 pm

*Requirements of entry:* Normally Celtic Civilisation 1A and 1B at grade D.

*Co-requisites:* Normally, Celtic Civilisation 2A

*Assessment:* Two essays (1500-2000 words), 25% each and examination (two hours), 50%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) to trace the developments in the histories of Gaelic Scotland, Ireland and Wales from c.1750 to the present day; (2) to introduce salient aspects of the distinctive institutions, cultures and literatures of Scottish Gaelic, Irish and Welsh societies in the period 1750 to the present; (3) to examine the common features and differing experiences of the three societies; (4) to examine the forces pertaining to language decline and linguistic and cultural revivals.

*Course Co-ordinator:* Dr Michel Byrne

## 7FTV GAELIC 2A

*Credits:* 40

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Lectures on Monday, Tuesday, Thursday, Friday at 3.00 pm plus one tutorial hour to be arranged.

*Requirements of entry:* Normally, Gaelic 1A at grade D, or Gaelic 1C at grade C

*Excluded Courses:* Gaelic 2B

*Assessment:* Essay in Gaelic, Week 12 (10%); Fortnightly linguistics exercises in Semester 2 (10%); Weekly language exercises (10%); Continuous assessment of oral competence in conversation class throughout the year (5%); 1-hour class test in week 12 (15%); one 2-hour examination paper at the end of the course (35%); an oral examination at the end of the course (15%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) to extend the four language skills (reading, writing, listening and speaking) developed in Gaelic 1A or Gaelic 1C; (2) to extend students' vocabulary, with a particular emphasis on spoken Gaelic; (3) to introduce students to a range of Gaelic poetry from the period up to and including 1745 and to develop an understanding of the role of the poet in Gaelic society; (4) to study a range of functional Gaelic prose writings in terms of subject-matter and style; (5) to provide opportunities for students to write and translate functional texts; (6) to introduce students to aspects of Gaelic linguistics.

*Course Co-ordinator:* Dr Sheila Kidd

## 7FRV GAELIC 2B

*Credits:* 40

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Lectures on Monday, Tuesday, Wednesday, Thursday, Friday at 1.00 pm and 1 further tutorial hour to be arranged.

*Requirements of entry:* Gaelic 1B at grade D

*Excluded Courses:* Gaelic 2A

*Assessment:* Two essays in Gaelic (25%). Weekly grammar exercises (15%); Continuous assessment of oral competence in conversation class (5%); Linguistic exercises (5%), One 2-hour examination paper at the end of the course (35%); Oral examination at the end of the course (15%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) to build on and develop Gaelic language skills (reading, writing, listening and speaking) acquired in Gaelic 1B; (2) to introduce students to a wide range of poetry from the seventeenth to the twentieth centuries; (3) to read and discuss a range of fiction and non-fiction Gaelic texts from the twentieth century; (4) to study some of the main genres and trends in Gaelic literature since the sixteenth century; (5) to adopt an integrated approach to language practice and oral classes which will reinforce vocabulary and grammar; (6) to introduce students to aspects of Gaelic linguistics.

*Course Co-ordinator:* Dr Michel Byrne

### **6B2F CELTIC CIVILISATION 3H (JOINT)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses chosen

*Requirements of entry:* Normally a C average in Celtic Civilisation 2A and 2B, of which the grade for at least one of these courses should be a B. Performance in level 1 Celtic Civilisation courses will be taken into account, and you should have satisfactorily completed at least 3 of the 4 level 1 & 2 Celtic Civilisation courses.

*Assessment:* Essays, seminars and end of year examination.

*Degree Examination taken in:* April/May

*Aims:* The MA (Hons) in Celtic Civilisation, which must be taken jointly with another subject, aims primarily to offer in-depth, research-led courses in the history, literature and cultures of the Celtic-speaking peoples, deepening students' abilities to approach these topics critically from an enquiry-led standpoint.

*Honours Course Prescription:* 120 credits over two years, chosen from courses (mostly 20 credits each) as directed by departmental guidelines. A Dissertation must be done in one of the two departments in which the student is studying. If a Dissertation is done with Celtic, it must be a Joint Honours Dissertation (20 credits). Otherwise courses are chosen which may include, as appropriate: Iona, 563-present; The Celtic Place-Names of Scotland; Early Gaelic Literature in translation; Medieval Welsh Literature in translation; The World of Dafydd ap Gwilym and Iolo Goch; Belief and Culture: Early Medieval Ireland and Scotland; Legal Traditions and Social Reflections; Courses taught through School of History and Archaeology: Picts and the formation of Alba; Early Medieval Gaeldom; The Northern Britons 400-1100; Gaelic Scotland and the British State; The Highland Clearances; Medieval Ireland 800 - 1100.

*Course Co-ordinator:* Prof Roibeard O Maolalaih

### **JSLF CELTIC STUDIES 3H (JOINT)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses chosen

*Requirements of entry:* Normally a C average in Celtic Civilisation 2A and 2B, of which the grade for one of

these courses should be a B, and a satisfactory performance in Celtic Civilisation 1A and 1B; OR a B grade in Gaelic 2A or 2B, and a satisfactory performance in Gaelic 1A or 1B or 1C.

*Assessment:* Essays, seminars and end of year examinations.

*Degree Examination taken in:* April/May

*Aims:* The MA (Hons) in Celtic Studies has as its primary aim the provision of courses offering in-depth, research-led study of Celtic cultures, literatures and histories, alongside the language study necessary for students to develop deeper, more independent and enquiry-led research skills.

*Honours Course Prescription:* 120 credits over two years, chosen from courses (mostly 20 credits each) as directed by departmental guidelines. The MA (Hons) in Celtic Studies has two main streams: 1) Students studying medieval Celtic languages alongside their literatures and cultures; 2) Students studying Celtic cultures, literatures and histories whilst acquiring or furthering their knowledge of a Celtic language, modern or medieval. All Joint Honours students must do a Dissertation with one of their departments. Students doing a Dissertation in the Department of Celtic will do a Joint Honours Dissertation (20 credits). For the MA (Hons) in Celtic Studies, students must do at least 40 credits of language study, which may include as appropriate: Introduction to Early Gaelic (Old and Middle Irish); Introduction to Medieval Welsh; Honours Gaelic Ab Initio; Honours Gaelic Intermediate; Honours Gàidhlig airson Fìleantaich [all 40 credits courses]; Introduction to Modern Irish; Introduction to Classical Gaelic [20-credit courses]. The remaining courses are chosen from a menu of 20-credit courses as appropriate (see Celtic Studies 3H Single for details).

*Course Co-ordinator:* Prof Roibeard O Maolalaih

### **JSMH CELTIC STUDIES 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses chosen

*Requirements of entry:* Normally a C average in Celtic Civilisation 2A and 2B, of which the grade for one of these courses should be a B, and a satisfactory performance in Celtic Civilisation 1A and 1B; OR a B grade in Gaelic 2A or 2B, and a satisfactory performance in Gaelic 1A or 1B or 1C.

*Assessment:* Essays, seminars and end of year examinations.

*Degree Examination taken in:* April/May

*Aims:* The MA (Hons) in Celtic Studies has as its primary aim the provision of courses offering in-depth, research-led study of Celtic cultures, literatures and histories, alongside the language study necessary for students to develop deeper, more independent and enquiry-led research skills.

*Honours Course Prescription:* 240 credits over two years, chosen from courses (mostly 20 credits each) as directed by departmental guidelines. The MA (Hons) in Celtic Studies has two main streams: 1) Students studying medieval Celtic languages alongside their literatures

and cultures; 2) Students studying Celtic cultures, literatures and histories whilst acquiring or furthering their knowledge of a Celtic language, modern or medieval. All Single Honours students must do a Dissertation (40 credits). For the MA (Hons) in Celtic Studies, students must do at least 40 credits of language study, which may include as appropriate: Introduction to Early Gaelic (Old and Middle Irish); Introduction to Medieval Welsh; Honours Gaelic Ab Initio; Honours Gaelic Intermediate; Honours Gàidhlig airson Fileantaich [all 40 credits courses]; Introduction to Modern Irish; Introduction to Classical Gaelic [20-credit courses]. The remaining courses are chosen from a menu of 20-credit courses which may include as appropriate: Iona, 563-present; The Celtic Place-Names of Scotland; Early Gaelic Literature (in translation); Medieval Welsh Literature (in translation); The World of Dafydd ap Gwilym and Iolo Goch; Belief and Culture: Early Medieval Ireland and Scotland; Historical development of Gaelic; Gaelic dialectology; 20th century Irish Poetry; Dánta Grádha; Early Gaelic Poetry; Advanced Early Gaelic Texts; Medieval Welsh Poetry; Advanced Medieval Welsh Texts; Bàrdachd agus Ar-a-mach; Seann 's Ùr ann am Bàrdachd na 18mh linn; Guth nam Ban 1450-1750; Am Bàrd Baile; Bàrdachd Cogaidh 1930-1950; Bàrdachd Gàidhlig o 1950; An 19mh linn tro shùilean nan Gaidheal; Fèin-Eachdraidh ann an Gàidhlig; Ficsean Gàidhlig san 20mh linn; Courses taught through School of History and Archaeology: Legal Traditions and Social Reflections; Picts and the formation of Alba; Early Medieval Gaeldom; Medieval Ireland 800-1100; The Northern Britons 400-1100; Gaelic Scotland and the British State; The Highland Clearances.

*Course Co-ordinator:* Prof Roibeard O Maolalaigh

### 110D GAELIC 3

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 3 hours per week (lectures); 1 hour per week (tutorial). Times to be arranged.

*Requirements of entry:* Gaelic 2A at grade D or Gaelic 2B at grade C

*Assessment:* An essay in Gaelic (1500 words) in Semester 1 (10%); a Gaelic oral presentation in Semester 1 (5%); an essay in Gaelic (1500 words) in Semester 2 (10%); a Gaelic oral presentation in Semester 2 (5%); language practice exercises to be submitted fortnightly throughout the year (10%); continuous assessment of oral competence in conversation class throughout the year (5%); two 1.5-hour examination papers at the end of the course (45%); an oral examination at the end of the course (10%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) to extend the four language skills (reading, writing, listening and speaking) developed in Gaelic 2A or 2B; (2) to extend students' vocabulary, in both written and spoken Gaelic; (3) to broaden students' knowledge of Gaelic poetry; (4) to broaden students' knowledge of Gaelic prose; (5) to encourage students to think critically about Gaelic literature and identify elements of continuity and innovation in the literature studied.

*Course Co-ordinator:* Dr Sheila Kidd

### JRXF GAELIC 3H (JOINT)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses chosen

*Requirements of entry:* Normally a B grade in Gaelic 2A or 2B, and a satisfactory performance in Gaelic 1A or 1B or 1C.

*Assessment:* Essays, seminars and end of year examinations.

*Degree Examination taken in:* April/May

*Aims:* This degree seeks primarily to foster and develop the study of Gaelic language, literature and culture in an environment which integrates teaching and research; to develop a thorough knowledge and considered application of Gaelic; to provide access to a range of learning resources for the purpose of studying Gaelic language, literature and cultures; to impart to students an in-depth knowledge of the relevant culture; to encourage and promote an appreciation of the Gaelic languages in an atmosphere conducive to the pursuit of scholarship.

*Honours Course Prescription:* 120 credits over two years, chosen from courses (normally 20 credits) as directed by departmental guidelines. Students are required to do Sgilean Cànain (40-credit, 2-year skills course, examined in Senior Honours year); and must do a Dissertation with one of their two departments. If it is with Celtic, then it will be a Joint Honours dissertation. In addition to these, students select from a variety of 20-credit courses in Gaelic language, literature and culture (for which see Gaelic 3H Single).

*Course Co-ordinator:* Prof Roibeard O Maolalaigh

### JRYH GAELIC 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses chosen

*Requirements of entry:* Normally a B grade in Gaelic 2A or 2B, and a satisfactory performance in Gaelic 1A or 1B or 1C.

*Assessment:* Essays, seminars and end of year examination.

*Degree Examination taken in:* April/May

*Aims:* The MA (Hons) in Gaelic aims primarily to foster and develop the study of Gaelic language, literature and culture in an environment which integrates teaching and research; to develop a thorough knowledge of, and spoken and written ability in Gaelic; to encourage and promote an appreciation of Gaelic language, literature and culture and in an atmosphere conducive to the pursuit of scholarship.

*Honours Course Prescription:* 240 credits over two years, chosen from courses (normally 20-credit) as directed by departmental guidelines. All students must do a Dissertation (40 credits), submitted in Senior Honours year; and Sgilean Cànain (40 credits), taught over two years. Students also choose from a variety of courses, in accordance with departmental guidelines, which may

include: Bàrdachd agus Ar-a-mach; Seann 's Ùr ann am Bàrdachd na 18mh linn; Guth nam Ban 1450-1750; Am Bàrd Baile; Bàrdachd Cogaidh 1930-1950; Bàrdachd Gàidhlig o 1950; An 19mh linn tro shùilean nan Gaidheal; Fèin-Eachdraidh ann an Gàidhlig; Ficsean Gàidhlig san 20mh linn; Historical development of Gaelic; Gaelic dialectology; Gaelic sociolinguistics; Introduction to Modern Irish; 20th century Irish Poetry; Introduction to Classical Gaelic; Dánta Grádha; Introduction to Early Gaelic (Old and Middle Irish); Early Gaelic Poetry; Advanced Early Gaelic Texts; Introduction to Medieval Welsh; Medieval Welsh Poetry; Advanced Medieval Welsh Texts; Iona, 563-present; The Celtic Place-Names of Scotland; Early Gaelic Literature (in translation); Medieval Welsh Literature (in translation); The World of Dafydd ap Gwilym and Iolo Goch (texts in translation); Belief and Culture: Early Medieval Ireland and Scotland; Courses taught through School of History and Archaeology: Picts and the formation of Alba; Early Medieval Gaeldom; Medieval Ireland 800-1100; The Northern Britons 400-1100; Gaelic Scotland and the British State; The Highland Clearances.

*Course Co-ordinator:* Prof Roibeard Maolalagh

## 6B2G CELTIC CIVILISATION 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses chosen

*Requirements of entry:* Normally a C average in Celtic Civilisation 2A and 2B, of which the grade for at least one of these courses should be a B. Performance in level 1 Celtic Civilisation courses will be taken into account, and you should have satisfactorily completed at least 3 of the 4 level 1 & 2 Celtic Civilisation courses.

*Assessment:* Five papers taken in 4H year

*Degree Examination taken in:* April/May

*Aims:* The MA (Hons) in Celtic Civilisation, which must be taken jointly with another subject, aims primarily to offer in-depth, research-led courses in the history, literature and cultures of the Celtic-speaking peoples, deepening students' abilities to approach these topics critically from an enquiry-led standpoint.

*Honours Course Prescription:* 120 credits over two years, chosen from courses (mostly 20 credits each) as directed by departmental guidelines. A Dissertation must be done in one of the two departments in which the student is studying. If a Dissertation is done with Celtic, it must be a Joint Honours Dissertation (20 credits). Otherwise courses are chosen from a menu of courses (for which see Celtic Civilisation 3H).

*Course Co-ordinator:* Prof Roibeard O Maolalagh

## JSNG CELTIC STUDIES 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses chosen

*Requirements of entry:* Normally a C average in Celtic Civilisation 2A and 2B, of which the grade for one of

these courses should be a B, and a satisfactory performance in Celtic Civilisation 1A and 1B; OR a B grade in Gaelic 2A or 2B, and a satisfactory performance in Gaelic 1A or 1B or 1C.

*Assessment:* Essays, seminars and end of year examinations.

*Degree Examination taken in:* April/May

*Aims:* The MA (Hons) in Celtic Studies has as its primary aim the provision of courses offering in-depth, research-led study of Celtic cultures, literatures and histories, alongside the language study necessary for students to develop deeper, more independent and enquiry-led research skills.

*Honours Course Prescription:* 120 credits over two years, chosen from courses (mostly 20 credits each) as directed by departmental guidelines. The MA (Hons) in Celtic Studies has two main streams: 1) Students studying medieval Celtic languages alongside their literatures and cultures; 2) Students studying Celtic cultures, literatures and histories whilst acquiring or furthering their knowledge of a Celtic language, modern or medieval. All Joint Honours students must do a Dissertation with one of their departments. Students doing a Dissertation in the Department of Celtic will do a Joint Honours Dissertation (20 credits). For the MA (Hons) in Celtic Studies, students must do at least 40 credits of language study, which may include as appropriate: Introduction to Early Gaelic (Old and Middle Irish); Introduction to Medieval Welsh; Honours Gaelic Ab Initio; Honours Gaelic Intermediate; Honours Gàidhlig airson Fileantaich [all 40 credits courses]; Introduction to Modern Irish; Introduction to Classical Gaelic [20-credit courses]. The remaining courses are chosen from a menu of 20-credit courses as appropriate (see Celtic Studies 3H Single for details).

*Course Co-ordinator:* Prof Roibeard O Maolalagh

## JSPJ CELTIC STUDIES 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses chosen

*Requirements of entry:* Normally a C average in Celtic Civilisation 2A and 2B, of which the grade for one of these courses should be a B, and a satisfactory performance in Celtic Civilisation 1A and 1B; OR a B grade in Gaelic 2A or 2B, and a satisfactory performance in Gaelic 1A or 1B or 1C.

*Assessment:* Essays, seminars and end of year examinations.

*Degree Examination taken in:* April/May

*Aims:* The MA (Hons) in Celtic Studies has as its primary aim the provision of courses offering in-depth, research-led study of Celtic cultures, literatures and histories, alongside the language study necessary for students to develop deeper, more independent and enquiry-led research skills.

*Honours Course Prescription:* 240 credits over two years, chosen from courses (mostly 20 credits each) as directed by departmental guidelines. The MA (Hons) in Celtic Studies has two main streams: 1) Students studying medieval Celtic languages alongside their literatures

and cultures; 2) Students studying Celtic cultures, literatures and histories whilst acquiring or furthering their knowledge of a Celtic language, modern or medieval. All Single Honours students must do a Dissertation (40 credits). For the MA (Hons) in Celtic Studies, students must do at least 40 credits of language study, which may include as appropriate: Introduction to Early Gaelic (Old and Middle Irish); Introduction to Medieval Welsh; Honours Gaelic Ab Initio; Honours Gaelic Intermediate; Honours Gàidhlig airson Fileantaich [all 40 credits courses]; Introduction to Modern Irish; Introduction to Classical Gaelic [20-credit courses]. The remaining courses are chosen from a menu of 20-credit courses as appropriate (for details, see Celtic Studies 3H Single).

*Course Co-ordinator:* Prof Roibeard O Maolalaigh

### JRZG GAELIC 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses chosen

*Requirements of entry:* Normally a B grade in Gaelic 2A or 2B, and a satisfactory performance in Gaelic 1A or 1B or 1C.

*Assessment:* Essays, seminars and end of year examinations.

*Degree Examination taken in:* April/May

*Aims:* The MA (Hons) in Gaelic aims primarily to foster and develop the study of Gaelic language, literature and culture in an environment which integrates teaching and research; to develop a thorough knowledge of, and spoken and written ability in Gaelic; to encourage and promote an appreciation of Gaelic language, literature and culture and in an atmosphere conducive to the pursuit of scholarship.

*Honours Course Prescription:* 120 credits over two years, chosen from among courses (mostly 20-credit) as directed by departmental guidelines. Students are required to do Sgilean Cànain (40 credits) a 2-year skills course, examined in Senior Honours year; and must do a Dissertation with one of their two departments. If it is with Celtic, then it will be a Joint Honours dissertation (20 credits). In addition to these, students select from a variety of courses in Gaelic language, literature and culture, for which see the description under Gaelic 3H Single.

*Course Co-ordinator:* Prof Roibeard O Maolalaigh

### JSAJ GAELIC 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses chosen

*Requirements of entry:* Students may be admitted into the Honours courses in Celtic if they have successfully attained: Normally a B grade in Gaelic 1A/1C and Gaelic 2A or in Gaelic 1B and 2B.

*Assessment:* Essays, seminars and end of year examination.

*Degree Examination taken in:* April/May

*Aims:* This degree seeks primarily to foster and develop the study of Gaelic language, literature and culture in an environment which integrates teaching and research; to develop a thorough knowledge and considered application of Gaelic; to provide access to a range of learning resources for the purpose of studying Gaelic language, literature and cultures; to impart to students an in-depth knowledge of the relevant culture; to encourage and promote an appreciation of the Gaelic languages in an atmosphere conducive to the pursuit of scholarship.

*Honours Course Prescription:* Twelve courses or course equivalents over two years as directed by departmental guidelines. All students must do a Dissertation (40 credits), submitted in Senior Honours year; and Sgilean Cànain (40 credits), taught over two years. Students also choose from a variety of courses, in accordance with departmental guidelines, for which see Gaelic 3H Single.

*Course Co-ordinator:* Prof Roibeard O Maolalaigh

## Central & East European Studies

### 237U CENTRAL AND EAST EUROPEAN STUDIES 1

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* 1 hour on Monday, Tuesday and Thursday at 4 p.m. each week

*Assessment:* Two essays of approx 2,000 words, each worth 25% of the final mark. Unseen examination, 2 hours, worth 50%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course will demonstrate the following: 1) the importance of the region to European development; 2) the impact of geography on regional development; 3) the complexity of the various ethnic groups of the region; 4) the historical development of Russia and Central Europe, including the role of the state and its relationship to society; 5) the importance of cultural development, the position of various socio-cultural groups and the politics of gender in the region; 6) the processes behind Stalinisation and 'communisation' in the region; 7) the impact of communism in its economic, social and political forms in the region and the differences between the experiences of various countries; 8) the reasons for the collapse of the communist system and its consequences.

*Course Co-ordinator:* Prof Geoffrey Swain

### 237V CENTRAL AND EAST EUROPEAN STUDIES 2

*Credits:* 40

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* 1 hour on Monday, Tuesday and Thursday at 2 p.m. each week

*Requirements of entry:* Applicants are considered for direct entry to second year on the basis of a student completing a cognate subject in Arts or Social Sciences. Besides Central and East European Studies Level 1, this will include Economics Level 1, History Level 1, Politics



Level 1, Slavonic Studies Level 1 and Sociology Level 1. Applications from students with other level 1 subjects will be considered by the Head of Department.

*Excluded Courses:* N/A

*Assessment:* Two essays of approx 2,000 words, each worth 25% of the final mark. Unseen examination, 2 hours, worth 50%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course will demonstrate the following: The reasons for the collapse of the communist system and its consequences; the complexities behind the process of democratisation in the region including the relationship between state and citizen; the nature of economic and social change brought about in the 1990s; the nature of cultural politics, identity and gender in the transition era; changes in the media, literature and the arts; the importance of the region for Europe as a whole, including a focus on EU/Central East European relations.

*Course Co-ordinator:* Dr David Smith

### **9JYW CENTRAL & EAST EUROPEAN STUDIES 3: CIVIL SOCIETY AND STATE IN EAST CENTRAL EUROPE**

*Credits:* 30

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Weekly on Mondays 12 - 2 pm.

*Requirements of entry:* Grade D at level 2 Central and East European Studies

*Assessment:* 2 essays (circa 2,500 words each) each worth 25% of the final mark, plus a project resulting in an essay (circa 3,000 words) worth 50%.

*Aims:* The course aims to give students an understanding of the political issues and themes which have run through European politics since the end of the Second World War. The various dynamics of change between state policies and structures, and social politics and social movements are identified and analysed. This necessarily includes helping students to understand the developments in Central and Eastern Europe, which led to regime changes in 1989. The course should provide an analysis of the progress of the transitions to democracy in Central and Eastern Europe since 1989. Students will also have an opportunity to gain an in depth knowledge of how the processes connected with European integration have altered relationships between civil societies and states in East Central Europe.

*Course Co-ordinator:* Dr Clare McManus-Czubinska

### **9JZW CENTRAL & EAST EUROPEAN STUDIES 3: STATEHOOD, NATIONALITY AND IDENTITY: THE BALTIC STATES SINCE 1918**

*Credits:* 30

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Weekly on Thursdays 9 - 11 am

*Requirements of entry:* Grade D at level 2 Central and East European Studies

*Assessment:* 2 essays (circa 2,500 words) each worth 25% of the final mark, plus a project resulting in an essay (circa 3,000 words) worth 50%.

*Aims:* To examine how the three Baltic peoples have responded to the challenges of state and nation-building and European reconstruction during the inter-war period and the more recent era of post-Soviet transition. To analyse the above issues in comparative perspective. To account for the divergent historical experiences of the Baltic States and Finland and the varying perspectives of these two actors on current region-building projects in the Baltic Sea Area. Through discussion of Baltic developments, to analyse critically aspects of the wider literature on nation, state and region-building, minority rights and ethnic conflict regulation in Central and Eastern Europe.

*Course Co-ordinator:* Dr David Smith

### **237F CENTRAL & EAST EUROPEAN STUDIES 3H (COMBINED)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Various times.

*Requirements of entry:* Grade C in Central and East European Studies Level 2.

*Assessment:* The Department operates a split diet system of final honours examinations. This means that students taking honours options in the Department will sit final honours examinations in the same year as the option is taken, i.e. options taken in Junior Honours are examined at the end of the Junior Honours year, and options taken in Senior Honours are examined at the end of the Senior Honours year. Joint Honours students must take four options in the Department of Central and East European Studies. Two options are studied in the Junior Honours year and two are studied in Senior Honours. A dissertation on an approved topic must be substituted for one of the two papers taken in Senior Honours if you are not writing a dissertation for your other Honours subject. All options are assessed as follows: coursework worth 50%; unseen examination, 2 hours, worth 50%.

*Degree Examination taken in:* April/May

*Aims:* The course aims to provide a multi-disciplinary approach to the region. Students are given a wide range of subject options based on different approaches to the subject area using a number of teaching methods. The diversity of options available allows students to benefit from the specialised knowledge of staff in areas particular to their research and from teaching methods tailored to the aims and objectives of the course studied. This includes access to complementary honours courses delivered by cognate departments. The programme will thus provide honours students with a range of courses from which to make an informed choice in Central and East European Studies as part of a joint honours programme.

*Honours Course Prescription:* Honours Course prescription: Subject to availability, any three from: An Economic and Social History of Eastern Europe, 1918-1989; Central and Eastern Europe: Perspectives on Se-

curity since 1945; Civil Society and the State in East Central Europe; Cultural Politics and Social Change in Soviet and Post Soviet Russia; Estonian Society, Culture and Language (1); Estonian Society, Culture and Language (2); Hungarian History, Society, Culture and Language (1); Latvian History, Society, Culture and Language (1); Latvian History, Society, Culture and Language (2); Post Soviet Russia: Renegotiating Global and Local Identities; Society and Environment in the Post Socialist World; Statehood, Nationality and Identity: The Baltic States since 1918; The Russian Revolution and Civil War, 1917 - 1921, plus Dissertation if you are not writing a dissertation for your other Honours subject. Students should note that no more than one recommended outside paper (30 credits) may be taken during the two years of Honours study. In cases where the outside paper is worth only 15 credits, students must mix and match with other courses to find another paper worth 15 credits to make a full (30 credit) Honours option. All outside papers have to be approved by the Head of Department and the course lecturer concerned.

*Course Co-ordinator:* Dr Jonathan Oldfield

### **237H CENTRAL & EAST EUROPEAN STUDIES 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Various Times

*Requirements of entry:* Grade C in Central and East European Studies Level 2.

*Assessment:* The Department operates a split diet system of final honours examinations. This means that students taking honours options in the Department will sit final honours examinations in the same year as the option is taken, i.e. options taken in Junior Honours are examined at the end of the Junior Honours year, and options taken in Senior Honours are examined at the end of the Senior Honours year. Single Honours students must take four options in the Department of Central and East European Studies. Four options are studied in the Junior Honours year and four are studied in Senior Honours. These options include a dissertation on an approved topic to be submitted in Senior Honours and completion of a research methods course in Junior Honours. All options are assessed as follows: coursework worth 50%; unseen examination, 2 hours, worth 50%, with the exception of the dissertation and research methods class which are worth 100% coursework.

*Degree Examination taken in:* April/May

*Aims:* The course aims to provide a multi-disciplinary approach to the region. Students are given a wide range of subject options based on different approaches to the subject area using a number of teaching methods. The diversity of options available allows students to benefit from the specialised knowledge of staff in areas particular to their research and from teaching methods tailored to the aims and objectives of the course studied. This includes access to complementary honours courses delivered by cognate departments. The programme will thus provide honours students with a range of courses from which to make an informed choice in Central and

East European Studies as part of a single honours programme.

*Honours Course Prescription:* Honours Course prescription: Students are required to undertake two compulsory courses in Honours - (1) Social Science and Humanities research methods in Russian and Central and East European Studies: theory and practice (2) Dissertation. In addition, subject to availability, you will choose any six courses from: An Economic and Social History of Eastern Europe, 1918- 1989; Central and Eastern Europe: Perspectives on Security since 1945; Civil Society and the State in East Central Europe; Cultural Politics and Social Change in Soviet and Post Soviet Russia; Estonian Society, Culture and Language (1); Estonian Society, Culture and Language (2); Hungarian History, Society, Culture and Language (1); Latvian History, Society, Culture and Language (1); Latvian History, Society, Culture and Language (2); Post Soviet Russia: Renegotiating Global and Local Identities; Society and Environment in the Post Socialist World; Statehood, Nationality and Identity: The Baltic States since 1918; The Russian Revolution and Civil War, 1917 - 1921. Students should note that no more than two outside papers (30 credits each) may be taken during the two years of Honours study (one per year). In cases where the outside paper is worth only 15 credits, students must mix and match with other courses to find another paper worth 15 credits to make a full (30 credit) Honours option. All outside papers have to be approved by the Head of Department and the course lecturer concerned.

*Course Co-ordinator:* Dr Jonathan Oldfield

### **237G CENTRAL & EAST EUROPEAN STUDIES 4H (COMBINED)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Various times.

*Requirements of entry:* Grade C in Central and East European Studies Level 2.

*Assessment:* The Department operates a split diet system of final honours examinations. This means that students taking honours options in the Department will sit final honours examinations in the same year as the option is taken, i.e. options taken in Junior Honours are examined at the end of the Junior Honours year, and options taken in Senior Honours are examined at the end of the Senior Honours year. Joint Honours students must take four options in the Department of Central and East European Studies. Two options are studied in the Junior Honours year and two are studied in Senior Honours. A dissertation on an approved topic must be substituted for one of the two papers taken in Senior Honours if you are not writing a dissertation for your other Honours subject. All options are assessed as follows: coursework worth 50%; unseen examination, 2 hours, worth 50%.

*Degree Examination taken in:* April/May

*Aims:* The course aims to provide a multi-disciplinary approach to the region. Students are given a wide range of subject options based on different approaches to the subject area using a number of teaching methods. The

diversity of options available allows students to benefit from the specialised knowledge of staff in areas particular to their research and from teaching methods tailored to the aims and objectives of the course studied. This includes access to complementary honours courses delivered by cognate departments. The programme will thus provide honours students with a range of courses from which to make an informed choice in Central and East European Studies as part of a joint honours programme.

*Honours Course Prescription:* Honours Course prescription: Subject to availability, any three from: An Economic and Social History of Eastern Europe, 1918-1989; Central and Eastern Europe: Perspectives on Security since 1945; Civil Society and the State in East Central Europe; Cultural Politics and Social Change in Soviet and Post Soviet Russia; Estonian Society, Culture and Language (1); Estonian Society, Culture and Language (2); Hungarian History, Society, Culture and Language (1); Latvian History, Society, Culture and Language (1); Latvian History, Society, Culture and Language (2); Post Soviet Russia: Renegotiating Global and Local Identities; Society and Environment in the Post Socialist World; Statehood, Nationality and Identity: The Baltic States since 1918; The Russian Revolution and Civil War, 1917 - 1921, plus Dissertation if you are not writing a dissertation for your other Honours subject. Students should note that no more than one recommended outside paper (30 credits) may be taken during the two years of Honours study. In cases where the outside paper is worth only 15 credits, students must mix and match with other courses to find another paper worth 15 credits to make a full (30 credit) Honours option. All outside papers have to be approved by the Head of Department and the course lecturer concerned.

*Course Co-ordinator:* Dr Jonathan Oldfield

## 237J CENTRAL & EAST EUROPEAN STUDIES 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Various Times

*Requirements of entry:* Grade C in Central and East European Studies Level 2.

*Assessment:* The Department operates a split diet system of final honours examinations. This means that students taking honours options in the Department will sit final honours examinations in the same year as the option is taken, i.e. options taken in Junior Honours are examined at the end of the Junior Honours year, and options taken in Senior Honours are examined at the end of the Senior Honours year. Single Honours students must take four options in the Department of Central and East European Studies. Four options are studied in the Junior Honours year and four are studied in Senior Honours. These options include a dissertation on an approved topic to be submitted in Senior Honours and completion of a research methods course in Junior Honours. All options are assessed as follows: coursework worth 50%; unseen examination, 2 hours, worth 50%, with the exception of the dissertation and research methods class which are worth 100% coursework.

*Degree Examination taken in:* April/May

*Aims:* The course aims to provide a multi-disciplinary approach to the region. Students are given a wide range of subject options based on different approaches to the subject area using a number of teaching methods. The diversity of options available allows students to benefit from the specialised knowledge of staff in areas particular to their research and from teaching methods tailored to the aims and objectives of the course studied. This includes access to complementary honours courses delivered by cognate departments. The programme will thus provide honours students with a range of courses from which to make an informed choice in Central and East European Studies as part of a single honours programme.

*Honours Course Prescription:* Honours Course prescription: Students are required to undertake two compulsory courses in Honours - (1) Social Science and Humanities research methods in Russian and Central and East European Studies: theory and practice (2) Dissertation. In addition, subject to availability, you will choose any six courses from: An Economic and Social History of Eastern Europe, 1918- 1989; Central and Eastern Europe: Perspectives on Security since 1945; Civil Society and the State in East Central Europe; Cultural Politics and Social Change in Soviet and Post Soviet Russia; Estonian Society, Culture and Language (1); Estonian Society, Culture and Language (2); Hungarian History, Society, Culture and Language (1); Latvian History, Society, Culture and Language (1); Latvian History, Society, Culture and Language (2); Post Soviet Russia: Renegotiating Global and Local Identities; Society and Environment in the Post Socialist World; Statehood, Nationality and Identity: The Baltic States since 1918; The Russian Revolution and Civil War, 1917 - 1921. Students should note that no more than two outside papers (30 credits each) may be taken during the two years of Honours study (one per year). In cases where the outside paper is worth only 15 credits, students must mix and match with other courses to find another paper worth 15 credits to make a full (30 credit) Honours option. All outside papers have to be approved by the Head of Department and the course lecturer concerned.

*Course Co-ordinator:* Dr Jonathan Oldfield

## Chemistry

### 402B CHEMISTRY 1

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* 22 weeks of five lectures per week at 10.00 am or 3.00 pm; weekly laboratory (3 hours) starting at either 10.00 am or 2.00 pm; workshops and tutorials during lecture times.

*Requirements of entry:* Normally at least Higher Chemistry at grade B or equivalent.

*Excluded Courses:* General Chemistry-1 (7N9B), Science Fundamentals 1X (9XXU), Science Fundamentals 1Y (9XYU)

*Assessment:* One 2-hour examination (50%), December examination (30%), practical mark (10%), assessments

(10%)

*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* To broaden students' knowledge of the facts, theories, concepts, applications, development and importance of chemistry; to enhance skills in - handling numbers, units, equations, diagrams and abstract ideas; analysing data; prioritising information; making deductions; taking decisions; making and justifying proposals; and in communicating and reporting clearly; to provide a sound basis for those students who may decide to proceed to Honours in Chemistry or a related science; to encourage interest in the subject and its interaction with other sciences; to give experience in the safe and accurate handling of chemical substances and apparatus; to encourage development of learning strategies.

*Course Co-ordinator:* Prof Robert Hill**9XXU SCIENCE FUNDAMENTALS-1X***Credits:* 20*Level:* 1*When Taught:* Semester 1 (September - December)*Timetable:* Daily 10-11 or 3-4*Excluded Courses:* Chemistry-1, Physics-1P/Q, Physics-1X/Y*Assessment:* Two class tests (20%), coursework (20%), two-hour final examination (60%)*Degree Examination taken in:* December*Resit Examination taken in:* August/September

*Aims:* To provide a broad understanding, at an introductory level, of the fundamentals of mathematics, statistics, physics and chemistry, particularly as they apply to living organisms. To encourage the acquisition of general scientific skills relating interpretation and discussion of factual information and data. To encourage a positive and inquisitive attitude to the personal investigation of science.

*Course Co-ordinator:* Dr Adrian Laphorn**9XYU SCIENCE FUNDAMENTALS-1Y***Credits:* 20*Level:* 1*When Taught:* Semester 2 (January - March)*Timetable:* 10-11 or 3-4 daily*Co-requisites:* Science Fundamentals-1X*Excluded Courses:* Chemistry-1, Physics-1P/Q, Physics-1X/Y*Assessment:* Two class tests (20%), coursework (20%), two-hour final examination (60%)*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* To provide a broad understanding, at an introductory level, of the fundamentals of mathematics, physics and chemistry, particularly as they apply to living organisms. To encourage the acquisition of general scientific skills relating interpretation and discussion of factual information and data. To encourage a positive and inquisitive attitude to the personal investigation of science.

*Course Co-ordinator:* Dr Adrian Laphorn**1RFP CHEMISTRY 2X***Credits:* 30*Level:* 2*When Taught:* Full Session (September - March)*Timetable:* Tuesday, Thursday, and some Mondays - 11.00 am; laboratory one 3 hour session (2.00-5.00 pm) per week; tutorials as arranged.*Requirements of entry:* Normally grade D or above in Chemistry 1*Assessment:* One 2-hour examination. (50%); three class tests (20%); December Class examination (15%); practical work (10%), Interactive Teaching Units (5%)*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* Following on from Chemistry-1 to consolidate students' knowledge of the facts, theories, concepts, applications, development and importance of fundamental molecular chemistry; to further enhance skills in - handling numbers, units, equations, diagrams and abstract ideas; analysing data; prioritising information; making deductions; taking decisions; making and justifying proposals; and in communicating and reporting clearly; to continue to provide a sound basis for those students who may decide to proceed to Honours in Chemistry or a related science; to encourage interest in the subject and its interaction with other sciences; to give further experience in the safe and accurate handling of chemical substances and apparatus; to encourage development of learning strategies; to generate awareness of chemical factors in industrial and other decision making processes.

*Course Co-ordinator:* Dr Linnea Soler**1RGP CHEMISTRY 2Y***Credits:* 30*Level:* 2*When Taught:* Full Session (September - March)*Timetable:* Wednesday, Friday, and some Mondays - 11.00 am; laboratory one 3 hour session (2.00-5.00 pm) per week; tutorials as arranged.*Requirements of entry:* Normally grade D or above in Chemistry 1*Assessment:* One 2-hour examination. (50%); three class tests (20%); December Class examination (15%); practical work (10%), Interactive Teaching Units (5%)*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* Following on from Chemistry-1 to consolidate students' knowledge of the facts, theories, concepts, applications, development and importance of the chemistry of the natural world; to further enhance skills in - handling numbers, units, equations, diagrams and abstract ideas; analysing data; prioritising information; making deductions; taking decisions; making and justifying proposals; and in communicating and reporting clearly; to continue to provide a sound basis for those students who may decide to proceed to Honours in Chemistry or a related science; to encourage interest in the subject and its interaction with other sciences; to give further experience in the safe and accurate handling

of chemical substances and apparatus; to encourage development of learning strategies; to generate awareness of chemical factors in industrial and other decision making processes.

*Course Co-ordinator:* Dr Linnea Soler

### 5KUV ENVIRONMENTAL CHEMISTRY 2A - THE NATURAL ENVIRONMENT

*Credits:* 30 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Monday, Tuesday, Thursday, Friday - 13.00 (tutorials and class tests also at this time). Laboratory classes: Monday and Friday, 14.00 - 17.00.

*Requirements of entry:* Normally Grade D in Chemistry 1 or Science Fundamentals 1X and 1Y. Grade C in Environmental Science 1 will be acceptable with an appropriate pre-university qualification in chemistry.

*Excluded Courses:* Environmental Chemistry 2E and Environmental Chemistry 2F

*Assessment:* December examination (1.5 hours) (40%), two class tests (20%); laboratory reports (35%); other coursework (5%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course aims to describe the chemistry and functioning of the components of the natural environment, the interactions between these components and the processes which operate within and between them. This will provide an understanding of the chemistry of rocks, soils, sediments, water, air and living organisms. Particular attention will be paid to the processes which cause mobilisation or immobilisation of chemical species, their mobility and cycling between the different environmental components.

*Course Co-ordinator:* Dr Ian Pulford

### 5KWV ENVIRONMENTAL CHEMISTRY 2B - ENVIRONMENTAL SYSTEMS AND POLLUTION

*Credits:* 30 *Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Monday, Tuesday, Thursday, Friday - 13.00 (tutorials and class tests also at this time). Laboratory classes: Monday and Friday, 14.00 - 17.00.

*Requirements of entry:* Normally Grade D in Chemistry 1 or Science Fundamentals 1X and 1Y. Grade C in Environmental Science 1 is acceptable with an appropriate pre-university qualification in chemistry.

*Excluded Courses:* Environmental Chemistry 2E and Environmental Chemistry 2F

*Assessment:* May examination (1.5 hours) (40%), two class tests (20%); laboratory reports and project (35%); essay (5%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims to describe the chemistry and behaviour of environmental systems and the effect of human activity on them.

*Course Co-ordinator:* Dr Ian Pulford

### JQUW CHEMICAL PHYSICS 3

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratories and tutorials to be arranged.

*Requirements of entry:* Physics 2X and 2Y at a grade point average of 10, Chemistry 2X and 2Y at a grade point average of 10. All normally at first diet of examinations.

*Assessment:* Examinations in chemistry (42.5%) and physics (33.3%); assessment of physics laboratory/IT skills (16.7%) and chemistry laboratory (7.5%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) To present an integrated course of study which provides the student with knowledge and understanding of modern aspects of inorganic & physical and theoretical chemistry and of modern physics; (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in chemical physics and its applications; (3) To develop the practical skills necessary for a chemical physicist by means of individual laboratory experiments, to provide training in scientific data analysis, and to give the opportunity for the student to apply these in performing an extended project; (4) To develop the student's transferable skills, in the writing of reports on individual project work, and in verbal communication of such results; (5) To develop the students' ability to work effectively and to reinforce their individual responsibility for their own learning.

*Honours Course Prescription:* Mathematical Methods; Waves and Diffraction; Quantum Mechanics; Heterogeneous catalysis; Coordination chemistry; Solid state chemistry; Biomolecular interactions; Quantum mechanics and symmetry; Kinetics; Spectroscopy; Diffraction; Photochemistry.

*Course Co-ordinator:* Dr Malcolm Kadodwala

### 403H CHEMICAL PHYSICS 3H

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratories and tutorials to be arranged.

*Requirements of entry:* Physics 2X and 2Y at a grade point average of 10, Chemistry 2X and 2Y at a grade point average of 10. All normally at first diet of examinations.

*Assessment:* Examinations in chemistry (42.5%) and physics (33.3%); assessment of physics laboratory/IT skills (16.7%) and chemistry laboratory (7.5%).

*Aims:* (1) To present an integrated course of study which provides the student with knowledge and understanding of modern aspects of inorganic & physical and theoretical chemistry and of modern physics; (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in chemical physics and its applications; (3) To develop the practical skills

necessary for a chemical physicist by means of individual laboratory experiments, to provide training in scientific data analysis, and to give the opportunity for the student to apply these in performing an extended project; (4) To develop the student's transferable skills, in the writing of reports on individual project work, and in verbal communication of such results; (5) To develop the students' ability to work effectively and to reinforce their individual responsibility for their own learning.

*Honours Course Prescription:* Mathematical Methods; Waves and Diffraction; Quantum Mechanics; Heterogeneous catalysis; Coordination chemistry; Solid state chemistry; Biomolecular interactions; Quantum mechanics and symmetry; Kinetics; Spectroscopy; Diffraction; Photochemistry.

*Course Co-ordinator:* Dr Malcolm Kadodwala

### OTMH CHEMICAL PHYSICS 3M

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, laboratories and tutorials to be arranged.

*Requirements of entry:* Physics 2X and 2Y at a grade point average of 14, Chemistry 2X and 2Y at a grade point average of 14, all normally at first diet of examination.

*Assessment:* Examinations in chemistry (42.5%) and physics (33.3%); assessment of physics laboratory/IT skills (16.7%) and chemistry laboratory (7.5%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional chemical physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern chemical physics; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Mathematical Methods; Waves and Diffraction; Quantum Mechanics; Heterogeneous catalysis; Coordination chemistry; Solid state chemistry; Biomolecular interactions; Quantum mechanics and symmetry; Kinetics; Spectroscopy; Diffraction; Photochemistry

*Course Co-ordinator:* Dr Malcolm Kadodwala

### OTLH CHEMICAL PHYSICS 3M\*

*Credits:* 160

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, tutorials and laboratories at times to be arranged.

*Requirements of entry:* Physics 2X and 2Y at a grade point average of 14, Chemistry 2X and 2Y at a grade point average of 14, all normally at first diet of examination.

*Assessment:* Examinations in physics and chemistry components of course (80.0%); assessment of physics laboratory/IT skills (12.5%) and chemistry laboratory (7.5%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern chemical physics at a level appropriate for a professional chemical physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern chemical physics; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Mathematical Methods; Waves and Diffraction; Quantum Mechanics; Electromagnetism 1; Mathematical Methods 2; Heterogeneous catalysis; Coordination chemistry; Solid state chemistry; Biomolecular interactions; Quantum mechanics and symmetry; Kinetics; Spectroscopy; Diffraction; Photochemistry; Frontiers of chemistry.

*Course Co-ordinator:* Dr Malcolm Kadodwala

### OTRN CHEMICAL PHYSICS MSCI: WORK PLACEMENT YEAR

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* The placement year is the fourth year of the Chemical physics with work placement MSci degree, and lasts between 10-12 months.

*Requirements of entry:* Admission to the MSci Chemical Physics-3M\* course; selection following interview; successful external application for placement; grade B or better at level 3M\*.

*Assessment:* Oral presentation (23.5%) and project report (76.5%).

*Degree Examination taken in:* April/May

*Aims:* The placement year aims are to provide students with: Enhanced training in practical skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research.

*Honours Course Prescription:* The placement year involves a project carried out in an industrial establishment or equivalent.

*Course Co-ordinator:* Dr Graeme Cooke

### JQQW CHEMISTRY 3

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 144 lectures at 9.00 am, 10.00 am and 11.00 am. Average of 12 hours laboratory work in afternoons and 2 tutorials at 10.00 am per week.

*Requirements of entry:* Grade point average of 10 in Chemistry 2X and Chemistry 2Y

*Assessment:* Three 3-hour papers (85%) and assessment of laboratory work (15%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level and lay the foundations for a wide understanding of chemistry.

*Course Co-ordinator:* Dr Beth Paschke

### 402H CHEMISTRY 3H

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 144 lectures at 9.00 am, 10.00 am and 11.00 am. Average of 12 hours laboratory work in afternoons and 2 tutorials at 10.00 am per week.

*Requirements of entry:* Grade D or above in Chemistry 2X and Chemistry 2Y

*Assessment:* Three 3-hour papers (85%) and assessment of laboratory work (15%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of chemistry, appropriate to an aspiring professional chemist.

*Course Co-ordinator:* Dr Beth Paschke

### 8RPF CHEMISTRY 3H (COMBINED)

*Credits:* 60 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 72 lectures at 10.00 am and 11.00 am. Average 6 hours laboratory work in afternoons and 1 tutorial at 10.00 am per week.

*Requirements of entry:* Grade D or above in Chemistry-2X and Chemistry-2Y

*Assessment:* Three 1.5-hour papers (85%) and assessment of laboratory work (15%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level and lay foundations for a wide and rigorous treatment of selected topics of chemistry.

*Course Co-ordinator:* Dr Beth Paschke

### 2YGH CHEMISTRY 3M

*Credits:* 140 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 169 lectures at 9.00 am, 10.00 am, 11.00 am and other times as arranged. Average 12 hours laboratory work in afternoons and 2 tutorials per week.

*Requirements of entry:* Normally grade B in Chemistry 2X and 2Y.

*Assessment:* Three 3-hour papers (80%), essay (5%) and assessment of laboratory work (15%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a broadly-based education and training in all branches of Chemistry appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

*Course Co-ordinator:* Dr Beth Paschke

### LBMF CHEMISTRY 3M (COMBINED)

*Credits:* 60 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 72 lectures at 10.00 am and 11.00 am. Average 6 hours laboratory work in afternoons and 1 tutorial at 10.00 am per week.

*Requirements of entry:* Grade B or above in Chemistry-2X and Chemistry-2Y

*Assessment:* Three 1.5-hour papers (80%), essay (5%) and assessment of laboratory work (15%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level and lay foundations for a wide and rigorous treatment of selected topics of chemistry appropriate for those who will become professional chemists.

*Course Co-ordinator:* Dr Beth Paschke

### 6MBN CHEMISTRY MSCI: WORK PLACEMENT YEAR

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* The placement year is taken between L3 and L4, and lasts between 10-12 months.

*Requirements of entry:* Normally first-time passes in Chemistry 2X and 2Y at grade B or better; selection following interview; successful external application for

placement; grade B or better at level 3M and acceptance for level 4M.

*Assessment:* Oral presentation (23.5%) and project report (76.5%). Assessment contributes 18.5% towards final degree mark with other assessment pro-rata for the corresponding non-placement course.

*Aims:* The placement year aims are to provide students with: Enhanced training in practical chemistry skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research.

*Course Co-ordinator:* Dr Graeme Cooke

### **6LXN CHEMISTRY WITH EUROPEAN PLACEMENT MSCI: EUROPEAN PLACEMENT YEAR**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* The placement year is taken between L3 and L4, and lasts between 10-12 months.

*Requirements of entry:* Normally first-time passes in Chemistry 2X and 2Y at Grade B or better; selection following interview; successful external application for placement; grade B or better at level 3M and acceptance for level 4M.

*Assessment:* Oral presentation (23.5%) and project report (76.5%). Assessment contributes 18.5% towards final degree mark with the other assessment pro-rata for the corresponding non-placement degree.

*Degree Examination taken in:* April/May

*Aims:* The placement year aims are to provide students with: Enhanced training in practical chemistry skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research; Opportunities to improve language skills.

*Course Co-ordinator:* Dr Graeme Cooke

### **JQTW CHEMISTRY WITH FORENSIC STUDIES 3**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 144 lectures at 9.00 am, 10.00 am, 11.00 am and other times as arranged. Average 12 hours laboratory work in afternoons and 2 tutorials per week.

*Requirements of entry:* At least grade D in Chemistry 2X and 2Y.

*Assessment:* Three 3-hour papers (85%) and assessment of laboratory work (15%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a broadly-based education and training in all branches of Chemistry and analytical and forensic techniques.

*Course Co-ordinator:* Dr Beth Paschke

### **OTWH CHEMISTRY WITH FORENSIC STUDIES 3H**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 144 lectures at 9.00 am, 10.00 am, 11.00 am and other times as arranged. Average 12 hours laboratory work in afternoons and 2 tutorials per week.

*Requirements of entry:* At least grade D in Chemistry 2X and 2Y.

*Assessment:* Three 3-hour papers (85%) and assessment of laboratory work (15%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a broadly-based education and training in all branches of Chemistry and analytical and forensic techniques appropriate for those who will become professional chemists.

*Course Co-ordinator:* Dr Beth Paschke

### **OTUH CHEMISTRY WITH FORENSIC STUDIES 3M**

*Credits:* 140

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 169 lectures at 9.00 am, 10.00 am, 11.00 am and other times as arranged. Average 12 hours laboratory work in afternoons and 2 tutorials per week.

*Requirements of entry:* Normally grade B in both Chemistry 2X and 2Y.

*Assessment:* Three 3-hour papers (80%), essay (5%) and assessment of laboratory work (15%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a broadly-based education and training in all branches of Chemistry and analytical and forensic techniques appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

*Course Co-ordinator:* Dr Beth Paschke

### **OUKN CHEMISTRY WITH FORENSIC STUDIES MSCI: WORK PLACEMENT YEAR**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* The placement year is the fourth year of the Chemistry with Forensic Studies with Work Placement MSci degree, and lasts between 10-12 months.

*Requirements of entry:* Admission to the MSci Chemistry with Forensic Studies-3M course; selection following interview; successful external application for placement; normally grade B or better at level 3M.

*Assessment:* Oral presentation (23.5%) and project report (76.5%).

*Degree Examination taken in:* April/May



*Aims:* The placement year aims are to provide students with: Enhanced training in practical skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research.

*Honours Course Prescription:* The placement year involves a project carried out in an industrial establishment or equivalent.

*Course Co-ordinator:* Dr Graeme Cooke

### **JQSW CHEMISTRY WITH MEDICINAL CHEMISTRY 3**

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 144 lectures at 9.00 am, 10.00 am and 11.00 am. Average of 12 hours laboratory work in afternoons and 2 tutorials at 10.00 am per week.

*Requirements of entry:* Grade D or above in Chemistry 2X and Chemistry 2Y

*Assessment:* Three 3-hour papers (85%) and assessment of laboratory work (15%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level and lay the foundations for a wide understanding of Chemistry with Medicinal Chemistry.

*Course Co-ordinator:* Dr Beth Paschke

### **4M7H CHEMISTRY WITH MEDICINAL CHEMISTRY 3H**

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 144 lectures at 9.00 am, 10.00 am and 11.00 am. Average of 12 hours laboratory work in afternoons and 2 tutorials at 10.00 am per week.

*Requirements of entry:* Grade D or above in Chemistry 2X and Chemistry 2Y

*Assessment:* Three 3-hour papers (85%) and assessment of laboratory work (15%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of Chemistry with Medicinal Chemistry, appropriate to an aspiring professional chemist.

*Course Co-ordinator:* Dr Beth Paschke

### **2YHH CHEMISTRY WITH MEDICINAL CHEMISTRY 3M**

*Credits:* 140 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 169 lectures at 9.00 am, 10.00 am 11.00 am and other times as arranged. Average 12 hours laboratory work in afternoons and 2 tutorials per week.

*Requirements of entry:* Normally grade B in Chemistry 2X and 2Y.

*Assessment:* Three 3-hour papers (80%), essay (5%) and assessment of laboratory work (15%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a broadly-based education and training in all branches of Chemistry with Medicinal Chemistry appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

*Course Co-ordinator:* Dr Beth Paschke

### **6LYN CHEMISTRY WITH MEDICINAL CHEMISTRY MSCI: EUROPEAN PLACEMENT YEAR**

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* The placement year is taken between L3 and L4, and lasts between 10-12 months.

*Requirements of entry:* Normally first-time passes in Chemistry 2X and 2Y at grade B or better; selection following interview; successful external application for placement; grade B or better at level 3M and acceptance for 4M.

*Assessment:* Oral presentation (23.5%) and project report (76.5%). Assessment contributes 18.5% towards final degree mark with other assessment pro-rata for the corresponding non-placement course.

*Degree Examination taken in:* April/May

*Aims:* The placement year aims are to provide students with: Enhanced training in practical chemistry skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research; Opportunities to improve language skills.

*Course Co-ordinator:* Dr Graeme Cooke

### **6MAN CHEMISTRY WITH MEDICINAL CHEMISTRY MSCI:WORK PLACEMENT YEAR**

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* The placement year is taken between L3 and L4, and lasts between 10-12 months.

*Requirements of entry:* Normally first-time passes in Chemistry 2X and 2Y at Grade B or better; selection following interview; successful external application for placement; grade B or better at level 3M and acceptance for level 4M.

*Assessment:* Oral presentation (23.5%) and project report (76.5%). Assessment contributes 18.5% towards final degree mark with other assessment pro-rata for the corresponding non-placement course..

*Aims:* The placement year aims are to provide students with: Enhanced training in practical chemistry skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research.

*Course Co-ordinator:* Dr Graeme Cooke

### **8K1H ENVIRONMENTAL BIOGEOCHEMISTRY 3H**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* GPA of 11 at end of Level 2 Earth Science; Completion of all credit-bearing Earth Science courses from Level 2 at Grade D or better. Environmental Chemistry 2A and 2B, at Grade D or better.

*Excluded Courses:* N/A

*Assessment:* Chemistry - Lab work (12.5%), Mid session examination (12.5%), end of session examination - two papers (25%). Geology - Theory and practical examination (50%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of Environmental Biogeochemistry, appropriate to an aspiring professional environmental biogeochemist.

*Course Co-ordinator:* Dr Ian Pulford

### **JQVW ENVIRONMENTAL CHEMISTRY 3**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: 10.00 am and 11.00 am Monday, Tuesday, Thursday, Friday; Laboratories: 2.00-5.00 pm Tuesday and Thursday; Field trips to be arranged.

*Requirements of entry:* Normally grade D in both Environmental Chemistry 2A and 2B or Chemistry 2Y and 2X

*Assessment:* Laboratory work (20%); Project and field work (20%); Degree examination - four papers (60%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level and lay the foundations for a general treatment of Environmental Chemistry, appropriate to an aspiring professional environmental chemist.

*Honours Course Prescription:* Taught every year: Analysis of Environmental Materials (inorganic), Analysis of Environmental Materials (chromatographic), Radiochemical Analysis, Experimental Skills, Pesticides. Taught in alternate years: Organic Waste Materials, Chemistry of Soil Processes, Industrial Crops, Pesticides A. or Reclamation of Contaminated and Derelict

Land, Carbon and Nitrogen Cycling in the Environment, Pesticides B, Movement of Chemicals in the Environment.

*Course Co-ordinator:* Dr Ian Pulford

### **7M6H ENVIRONMENTAL CHEMISTRY 3H**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: 10.00 am and 11.00 am Monday, Tuesday, Thursday, Friday; Laboratories: 2.00-5.00 pm Tuesday and Thursday; Field trips to be arranged.

*Requirements of entry:* Normally grade D in both Environmental Chemistry 2A and 2B or Chemistry 2Y and 2X

*Assessment:* Laboratory work (20%); Project and field work (20%); Degree examination - four papers (60%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of Environmental Chemistry, appropriate to an aspiring professional environmental chemist.

*Honours Course Prescription:* Taught every year: Analysis of Environmental Materials (inorganic), Analysis of Environmental Materials (chromatographic), Radiochemical Analysis, Experimental Skills, Pesticides. Taught in alternate years: Organic Waste Materials, Chemistry of Soil Processes, Industrial Crops, Pesticides A. or Reclamation of Contaminated and Derelict Land, Carbon and Nitrogen Cycling in the Environment, Pesticides B, Movement of Chemicals in the Environment.

*Course Co-ordinator:* Dr Ian Pulford

### **5YTH ENVIRONMENTAL CHEMISTRY AND GEOGRAPHY 3H**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Year 3: Monday 10.00; Monday 11.00 (weeks 1-10); Tues, Thurs, Fri 10.00 (weeks 1-15); Tues, Thurs 9.00 (weeks 1-10). Option course during semester 2: Mon/Wed/Thurs 11.00-1.30; Tues. Wed. Thurs. 14.00-17.00 (weeks 1-10), Easter Vacation Field Work semester 2 field work 6 days. Year 4: Tues, Thurs, Fri 10.00 (weeks 1-15); Mon 10.00 (weeks 1-10); Mon 12.00 (weeks 1-10); Tues 11.00 (weeks 1-10). 2 option courses (semester 2) Dissertation fieldwork as scheduled; Laboratory project as scheduled.

*Requirements of entry:* Normally Environmental Chemistry 2A - D; Environmental Chemistry 2B - D; Geography 2 C; Exceptionally Geography 2 high D.

*Assessment:* Chemistry (Environmental) Third Year: Jun 3 hr exam 6; Jun 3 hr exam 9; Continuous assessment 13; Final Year: Jun 1.5 hr exam 6; Jun 2 hr exam 9; Jun 1.5 hr essay paper 6; Project 27. Geography: Third Year Jun 3 hr exam 18; Continuous assessment field work project 13; Laboratory continuous assessment

9; Final Year: Jun. 3 hr exam plus continuous assessment 18; Jun 3 hr exam plus continuous assessment 18; Jun 1.5 hr essay paper 6. Dissertation 18.

*Degree Examination taken in:* April/May

*Aims:* This degree course, taught jointly by the Chemistry (environmental) and Geographical and Earth Sciences Departments, will provide an integrated approach to the physical environment via an appreciation of the structure of surface environments, their dynamics and their management for the sustainable use of their resources. The degree course will give students specific experience in, and an understanding of, the landforming processes and resources of surface environments and the ways in which these have changed in the past and may change in the future (eg polar, coastal, fluvial, glacial, arid); and the sustainable use of environments. This programme of work aims to: stimulate an appreciation in the student of the importance of the surface environment; equip the student with a fundamental understanding of the nature and functioning of the surface environment and the effects of anthropogenic activity on it; provide the student with an advanced level of training, laboratory skills, field skills and critical assessment which allows them to gain employment in the broad area of the environmental industry.

*Honours Course Prescription:* Selected parts of Environmental Chemistry 3H/4H and Geography 3H/4H courses.

*Course Co-ordinator:* Dr Ian Pulford

### 5KXW GEOGRAPHY, CHEMISTRY AND THE ENVIRONMENT 3

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday - 10.00; Monday - 11.00 (weeks 1-10); Tues, Thurs, Fri - 10.00 (weeks 1-15); Tues, Thurs - 9.00 (weeks 1-10); Option course during semester 2: Mon/Wed/Thurs - 11.00-13.00; Tues, Wed, Thurs - 14.00-17.00 (weeks 1-10); Easter vacation field work; field work 6 days.

*Requirements of entry:* Normally, Environmental Chemistry 2A - D; Environmental Chemistry 2B - D; Geography 2 - D.

*Assessment:* Chemistry (Environmental): Third Year Jun 3 exam 8; Jun 3 hr exam 12; continuous assessment 19; total 55. Geography: Jun 3 hr exam 21, plus continuous assessment, field project: 12; laboratory continuous assessment 12; total 45.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course aims to provide an integrated approach to the physical environment giving students specific experience in, and an understanding of, the landforming processes and resources of surface environments and the ways in which these have changed in the past and may change in the future (eg polar, coastal, fluvial, glacial, arid); the chemical processes within the surface environment; pollution sources and remediation; and the sustainable use of environments. In addition students will gain transferable skills throughout the course and in particular in the Geographical Techniques and

Experimental Design and Data Handling courses: IT skills; presentational skills; group and individual working; chemical analysis; laboratory safety; experimental design, data handling and presentation; field working.

*Course Co-ordinator:* Dr Ian Pulford

### MENW INORGANIC CHEMISTRY 3 (HALF)

*Credits:* 20

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 24 lectures at times to be arranged; average of 12 hours laboratory work in afternoons over 3 weeks and tutorials at 10.00 am

*Requirements of entry:* Grade D or above in Chemistry 2X and Chemistry 2Y

*Assessment:* Examination (85%); Laboratory (15%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of inorganic chemistry, appropriate to an aspiring professional chemist.

*Course Co-ordinator:* Dr Beth Paschke

### MEMW ORGANIC CHEMISTRY 3 (HALF)

*Credits:* 20

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 24 lectures at times to be arranged; average of 12 hours laboratory work in afternoons over 3 weeks and tutorials at 10.00 am

*Requirements of entry:* Grade D or above in Chemistry 2X and Chemistry 2Y

*Assessment:* Examination (85%); Laboratory (15%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of organic chemistry, appropriate to an aspiring professional chemist.

*Course Co-ordinator:* Dr Beth Paschke

### MEPW PHYSICAL CHEMISTRY 3 (HALF)

*Credits:* 20

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 24 lectures at times to be arranged; average of 12 hours laboratory work in afternoons over 3 weeks and tutorials at 10.00 am

*Requirements of entry:* Grade D or above in Chemistry 2X and Chemistry 2Y

*Assessment:* Examination (85%); Laboratory (15%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level and lay the foundations for a

wide and rigorous treatment of physical chemistry, appropriate to an aspiring professional chemist.

*Course Co-ordinator:* Dr Beth Paschke

### 403J CHEMICAL PHYSICS 4H (BSC)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, tutorials and laboratories as arranged.

*Requirements of entry:* Grade A-D pass in Chemical Physics 3H at the preceding May/June examination diet.

*Assessment:* Examinations in chemistry and physics components (79.2%); Physics level 3 laboratory assessment (8.3%); project (12.5%).

*Aims:* (1) To present an integrated course of study which provides the student with knowledge and understanding of modern aspects of inorganic & physical and theoretical chemistry and of modern physics; (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in chemical physics and its applications; (3) To develop the practical skills necessary for a chemical physicist by means of individual laboratory experiments, to provide training in scientific data analysis, and to give the opportunity for the student to apply these in performing an extended project; (4) To develop the student's transferable skills, in the writing of reports on individual project work, and in verbal communication of such results; (5) To develop the students' ability to work effectively and to reinforce their individual responsibility for their own learning.

*Honours Course Prescription:* Chemistry: Collids and macromolecules; Thermodynamics; Surface science; Inorganic mechanisms; Homogeneous catalysis; Molecular recognition; simple fluorides; Electrochemistry; Biomolecular separations. Physics: Electromagnetism 1; two from the following: Solid State; Nuclear and Particle Physics; Atomic Systems; 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics. (Some options have prerequisite core courses - refer to Course Guide).

*Course Co-ordinator:* Dr Malcolm Kadodwala

### 0TNJ CHEMICAL PHYSICS 4M

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, tutorials and laboratories as arranged.

*Requirements of entry:* Grade A-D pass at 3M Chemical Physics normally at the May/June examination diet.

*Assessment:* Examinations corresponding to the chemistry and physics course components (100%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of

modern chemical physics at a level appropriate for a professional chemical physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern chemical physics; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Chemistry: Frontiers of chemistry; Colloids & Macromolecules; Thermodynamics; Surface Science; Inorganic Mechanisms; Homogeneous Catalysis; Processing Chemical Data; Heterogeneous Catalysis; Physical Chemistry of Polymers; Molecular Simulation. Physics: Electromagnetism 1; Mathematical Methods 2. Two from list: Solid State; Nuclear and Particle Physics; Atomic Systems. 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. (Some options have prerequisite core courses - refer to Course Guide).

*Course Co-ordinator:* Dr Malcolm Kadodwala

### 0TPJ CHEMICAL PHYSICS 4M\*

*Credits:* 160

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, tutorials and laboratories as arranged.

*Requirements of entry:* Grade A-D pass at 3M\* Chemical Physics normally at the May/June examination diet.

*Assessment:* Examinations in chemistry and physics components; (83.3%); Physics level 3 laboratory assessment (5.6%); M project (11.1%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern chemical physics at a level appropriate for a professional chemical physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern chemical physics; (3) To provide further training and experience in the principles and practice of physical and chemical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and com-

munication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Chemistry: Colloids & Macromolecules; Thermodynamics; Surface Science; Inorganic Mechanisms; Homogeneous Catalysis; Processing Chemical Data; Heterogeneous Catalysis; Physical Chemistry of Polymers; Molecular Simulation; Molecular Recognition; Metal Oxides as Advanced Materials; Simple Fluorides - Reactivity and Catalysis; Electrochemistry; Biomolecular Separations; Vibrational Spectroscopy; Applications of Synchrotron Radiation; Molecular Magnetism; Modern Techniques in Surface Science  
Physics: 2 options from the list: Solid State; Nuclear and Particle Physics; Atomic Systems; 2 options from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 2 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. (Some options have prerequisite core courses - refer to Course Guide)

*Course Co-ordinator:* Dr Malcolm Kadodwala

### OTQJ CHEMICAL PHYSICS 5M

*Credits:* 80

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, tutorials and laboratories as arranged.

*Requirements of entry:* Grade A-D pass at 4M Physics (single) at May/June examination diet.

*Assessment:* Examinations in chemistry and physics components; (83.3%); Physics level 3 laboratory assessment (5.6%); M project (11.1%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern chemical physics at a level appropriate for a professional chemical physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern chemical physics; (3) To provide further training and experience in the principles and practice of physical and chemical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Chemistry: Molecular Recognition; Metal Oxides as Advanced Materials; Simple Fluorides - Reactivity and Catalysis; Electrochemistry; Biomolecular Separations; Vibrational Spectroscopy; Applications of Synchrotron Radiation; Molecular Magnetism; Modern Techniques in Surface Science  
Physics: 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 2 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. (Some options have prerequisite core courses - refer to Course Guide).

*Course Co-ordinator:* Dr Malcolm Kadodwala

### OTSJ CHEMICAL PHYSICS 5M\* (WP)

*Credits:* 160

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, tutorials and laboratories as arranged.

*Requirements of entry:* Grade A-D pass at 3M\* Chemical Physics normally at the May/June examination diet.

*Assessment:* Examinations in chemistry and physics components (61.4%); M project (6.8%); third year physics laboratory (4.5%); work placement year (27.3%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern chemical physics at a level appropriate for a professional chemical physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern chemical physics; (3) To provide further training and experience in the principles and practice of physical and chemical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Chemistry: Colloids & Macromolecules; Thermodynamics; Surface Science; Inorganic Mechanisms; Homogeneous Catalysis; Processing Chemical Data; Heterogeneous Catalysis; Physical Chemistry of Polymers; Molecular Simulation; Molecular Recognition; Metal Oxides as Advanced Materials; Simple Fluorides - Reactivity and Catalysis; Electrochemistry; Biomolecular Separations; Vibrational Spectroscopy; Applications of Synchrotron Radiation; Molecular Magnetism; Modern Techniques in Surface Science  
Physics: 2 options from the list: Solid State; Nuclear

and Particle Physics; Atomic Systems; 2 options from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 1 option from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. (Some options have prerequisite core courses - refer to Course Guide)

*Course Co-ordinator:* Dr Malcolm Kadodwala

### 0TJJ CHEMICAL PHYSICS M PROJECT

*Credits:* 40

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* At times to be arranged with supervisors

*Requirements of entry:* Grade A - D pass at 3M\* or 4M Chemical Physics at May/June examination diet.

*Assessment:* Project report (100%)

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern aspects of inorganic & physical and theoretical chemistry and of modern physics at a level appropriate for a professional chemical physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and chemistry; (3) To develop the practical skills necessary for a professional chemical physicist by means of individual laboratory experiments, using advanced instrumentation where appropriate; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing, writing a report on and making a presentation about an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Project comprises technical essay, project work, report and poster or oral presentation.

*Course Co-ordinator:* Dr Malcolm Kadodwala

### 402J CHEMISTRY 4H

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 136 lectures; Research project, 15 weeks. (20 hours per week); Tutorials (29 hours).

*Requirements of entry:* Grade D or better in Chemistry 3H

*Assessment:* Four 3-hour papers (72.7%); thesis (18.2%); carry-over of marks from 3H (9.1%); oral at discretion of examiners.

*Degree Examination taken in:* April/May

*Aims:* To provide students with a broad scientific education at tertiary level, together with a wide and rigorous treatment of Chemistry, appropriate for an aspiring professional chemist.

*Honours Course Prescription:* Molecular Spectroscopy; Colloids and macromolecules; Surface Science; Main Group Organometallics; Reactivity of Organometallics; Heterogeneous Catalysis; Organic Synthesis; Heterocyclic Systems. Options from: Statistical Thermodynamics; Modern Molecular Calculations; Laser Spectroscopy; Protein Structures - Design & Engineering; Chirality; Homogeneous Catalysis; Simple Fluorides - Reactivity & Catalysis; Solid State Chemistry; Anti-Cancer Drugs; Modern Synthetic Methods; Asymmetric Synthesis; Enzymes.

*Course Co-ordinator:* Dr Louis Farrugia

### 8RQG CHEMISTRY 4H (COMBINED)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 68 lectures; Research project 15 weeks (10 hours per week); Tutorials 15 hours.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level, together with a wide and rigorous treatment of selected topics of chemistry.

*Honours Course Prescription:* As for selected parts of the Chemistry-4H full course.

*Course Co-ordinator:* Dr Louis Farrugia

### 2YGJ CHEMISTRY 4M

*Credits:* 160

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 160 lectures; Research project, 20 weeks (20 hours per week); 29 tutorials as arranged.

*Requirements of entry:* Normally grade B in Chemistry 3M.

*Assessment:* Carry over from 3M (6.6%); essays (8%); five 3 hour papers (66.7%); research project (13.3%) and oral presentation (5.3%).

*Degree Examination taken in:* April/May

*Aims:* To provide a broadly-based education and training in all branches of advanced Chemistry appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

*Honours Course Prescription:* Molecular Spectroscopy; Colloids and macromolecules; Surface Science; Main Group Organometallics; Reactivity of Organometallics; Heterogeneous Catalysis; Organic Synthesis; Heterocyclic Systems. Options from: Statistical Thermodynamics; Modern Molecular Calculations; Laser Spectroscopy; Protein Structures - Design & Engineering; Chirality; Homogeneous Catalysis; Simple Fluorides -

Reactivity & Catalysis; Solid State Chemistry; Anti-Cancer Drugs; Modern Synthetic Methods; Asymmetric Synthesis; Enzymes.

*Course Co-ordinator:* Dr Louis Farrugia

### LBLG CHEMISTRY 4M (COMBINED)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 88 lectures; Research project, 9 weeks (20 hours per week); 20 tutorials as arranged.

*Requirements of entry:* Normally grade B in Chemistry 3M (combined).

*Assessment:* Essay (4%); five 1.5-hour papers (75%); Research project (15%) and oral presentation (6%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a broadly-based education and training in all branches of advanced chemistry appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

*Honours Course Prescription:* As for selected parts of the Chemistry 4M course with a balance of organic, inorganic and physical chemistry

*Course Co-ordinator:* Dr Louis Farrugia

### OTXH CHEMISTRY WITH FORENSIC STUDIES 4H

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 112 lectures; Research project, 16 weeks (20 hours per week); 29 tutorials as arranged.

*Requirements of entry:* Normally grade D in Chemistry with Forensic Studies 3H.

*Assessment:* Carry over from 3H (7.7%); Examinations (76.9%); research project (15.4%).

*Degree Examination taken in:* April/May

*Aims:* To provide a broadly-based education and training in all branches of advanced Chemistry and analytical and forensic techniques appropriate for those who will become professional chemists.

*Honours Course Prescription:* Spectroscopic Techniques; Heterocyclic Systems; Advanced Organic Synthesis; Colloids & Macromolecules; Thermodynamics; Nanoscience; Reactivity of Transition Metal Organometallic Compounds; Inorganic Mechanisms; Homogeneous catalysis; Options from list in course handbook including Forensic and Analytical options; Project on a topic relating to Forensic or Analytical Chemistry.

*Course Co-ordinator:* Dr Louis Farrugia

### 0UGJ CHEMISTRY WITH FORENSIC STUDIES 4M

*Credits:* 160

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 168 lectures; Research project, 20 weeks (20 hours per week); 29 tutorials as arranged.

*Requirements of entry:* Normally at least grade B in Chemistry with Forensic Studies 3M.

*Assessment:* Carry over from 3M (5.6%); work placement assessment (19.1%); essay (3.4%); examinations (56.2%); research project (11.2%) and oral presentation (4.5%).

*Degree Examination taken in:* April/May

*Aims:* To provide a broadly-based education and training in all branches of advanced Chemistry and analytical and forensic techniques appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

*Honours Course Prescription:* Heterocyclic Systems; Pericyclic Reactions; Advanced Organic Synthesis; Colloids & Macromolecules; Thermodynamics; Nanoscience; Reactivity of Transition Metal Organometallic Compounds; Inorganic Mechanisms; Homogeneous catalysis; Processing Chemical Data; Heterogeneous Catalysis; Advanced Retrosynthesis; Inorganic Supramolecular Chemistry; Physical Chemistry of Polymers; Asymmetric Synthesis; Molecular Simulation; Metals in Medicine; Enzyme Catalysis in Organic Reactions; Options from list in course handbook including Forensic and Analytical options; Project on a topic relating to Forensic or Analytical Chemistry.

*Course Co-ordinator:* Dr Louis Farrugia

### 4M7J CHEMISTRY WITH MEDICINAL CHEMISTRY 4H

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 136 lectures; Research project, 15 weeks. (20 hours per week); Tutorials (29 hours).

*Requirements of entry:* Grade D or better in Chemistry with Medicinal Chemistry 3H

*Assessment:* Three 3-hour papers and 2 one and a half hour papers (72.7%); thesis (18.2%); carry-over of marks from 3H (9.1%); oral at discretion of examiners.

*Degree Examination taken in:* April/May

*Aims:* To provide students with a broad scientific education at tertiary level, together with a wide and rigorous treatment of Chemistry with Medicinal Chemistry, appropriate for an aspiring professional chemist.

*Honours Course Prescription:* Pharmacology; Medicinal Chemistry; Organic Synthesis I; Industrial Medicinal Chemistry; Aromatic Systems; Reactivity of Organometallics; Biophysical Chemistry; Organic Synthesis II. Options from: Statistical Thermodynamics; Chem/Pharmacology of Anti-Cancer Drugs; Chirality; Simple Fluorides - Reactivity & Catalysis; CNS Pharmacology - Neurotransmitters and Disease; Protein Structures - Design & Engineering; Modern Synthetic Methods; Solid State Chemistry - Materials &

Microstructure; Laser Spectroscopy; Asymmetric Synthesis; Homogeneous Catalysis; Modern Molecular Calculations; Enzymes in Organic Chemistry

*Course Co-ordinator:* Dr Louis Farrugia

## 2YHJ CHEMISTRY WITH MEDICINAL CHEMISTRY 4M

*Credits:* 160 *Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 160 lectures; Research project, 20 weeks (20 hours per week); 29 tutorials as arranged.

*Requirements of entry:* Normally grade B in Chemistry with Medicinal Chemistry 3M.

*Assessment:* Carry over from 3M (6.7%); essay (4%); five 3-hour papers (66.7%); Research project (13.3%) and oral presentation (5.3%).

*Degree Examination taken in:* April/May

*Aims:* To provide a broadly-based education and training in all branches of advanced chemistry with medicinal chemistry appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

*Honours Course Prescription:* Pharmacology; Medicinal Chemistry; Organic Synthesis I; Industrial Medicinal Chemistry; Aromatic Systems; Reactivity of Organometallics; Biophysical Chemistry; Organic Synthesis II. Options from: Statistical Thermodynamics; Chem/Pharmacology of Anti-Cancer Drugs; Chirality; Simple Fluorides - Reactivity & Catalysis; CNS Pharmacology - Neurotransmitters and Disease; Protein Structures - Design & Engineering; Modern Synthetic Methods; Solid State Chemistry - Materials & Microstructure; Laser Spectroscopy; Asymmetric Synthesis; Homogeneous Catalysis; Modern Molecular Calculations; Enzymes in Organic Chemistry

*Course Co-ordinator:* Dr Louis Farrugia

## 8K1J ENVIRONMENTAL BIOGEOCHEMISTRY 4H

*Credits:* 120 *Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Level 3 Environmental Biogeochemistry at Grade D or better

*Assessment:* Chemistry - Level 3 carry over (20%), Project (10%), Degree papers 1-3 (20%) Geology - Level 3 carry over (20%), Project and Fieldwork (10%), Degree papers (20%).

*Degree Examination taken in:* April/May

*Aims:* To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of advanced Environmental Biogeochemistry, appropriate to an aspiring professional environmental biogeochemist.

*Course Co-ordinator:* Dr Ian Pulford

## 7M6J ENVIRONMENTAL CHEMISTRY 4H

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Grade D or better in Environmental Chemistry 3H

*Assessment:* The Final Year assessment is based on a 30% carry over from level 3, one Final Year project and 4 Final Year examination papers. Level 3 carry over (30%), Project (30%), Degree papers 1-4 (40%).

*Degree Examination taken in:* April/May

*Aims:* To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of Environmental Chemistry, appropriate to an aspiring professional environmental chemist. Also to provide its graduates with a highly marketable skills in the chemical analysis of environmental materials.

*Honours Course Prescription:* Taught every year: Atmospheric Pollution, Water pollution, Radionuclides in the Environment, Stable Isotopes in Environmental Studies. Taught in alternate years: Organic Waste Materials, Chemistry of Soil Processes, Industrial Crops, Pesticides A. or Reclamation of Contaminated and Derelict Land, Carbon and Nitrogen Cycling in the Environment, Pesticides B, Movement of Chemicals in the Environment.

*Course Co-ordinator:* Dr Ian Pulford

## 1BDJ ENVIRONMENTAL CHEMISTRY 4M

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Normally grade B or better in Environmental Chemistry 3H

*Assessment:* The Final Year assessment is based on a 30% carry over from level 3, one Final Year project and 3 Final Year examination papers. Level 3 carry over (30%), Project (30%), Degree papers 1-4 (40%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of Environmental Chemistry, appropriate to an aspiring professional environmental chemist. Also to provide its graduates with a highly marketable skills in the chemical analysis of environmental materials. Students on this course subsequently complete a work placement year.

*Honours Course Prescription:* Taught every year: Atmospheric Pollution, Water pollution, Radionuclides in the Environment, Stable Isotopes in Environmental Studies. Taught in alternate years: Organic Waste Materials, Chemistry of Soil Processes, Industrial Crops, Pesticides A. or Reclamation of Contaminated and Derelict Land, Carbon and Nitrogen Cycling in the En-



vironment, Pesticides B, Movement of Chemicals in the Environment.

*Course Co-ordinator:* Dr Ian Pulford

### 9FVN ENVIRONMENTAL CHEMISTRY WITH WORK PLACEMENT (WP YEAR)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Length and timing of work placements vary. Normally 9 - 10 months.

*Degree Examination taken in:* August/September

*Aims:* The placement year aims are to provide students with: Enhanced training in practical environmental chemistry skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research.

*Honours Course Prescription:* Work placement with various companies involving environmental and analytical chemistry

*Course Co-ordinator:* Dr Ian Pulford

### LBNG CHEMISTRY 5M (COMBINED)

*Credits:* 60

*Level:* 5

*When Taught:* Full Session (September - March)

*Timetable:* 88 lectures; Research project, 9 weeks (20 hours per week); 20 tutorials as arranged.

*Requirements of entry:* Normally grade B in Chemistry 4M (combined).

*Assessment:* Carry forward from years 3 (14%) and 4 (28%); essay (4%); five 1.5-hour papers (35%); Research project (14%) and oral presentation (6%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a broadly-based education and training in all branches of advanced chemistry appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

*Honours Course Prescription:* As for selected parts of the Chemistry 4M course with a balance of organic, inorganic and physical chemistry

*Course Co-ordinator:* Dr Louis Farrugia

## Classics

### KXVU CLASSICAL CIVILISATION 1A: EARLY GREECE, FROM TROY TO PLATAEA, 776-479 B.C.

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesday, Thursday and Friday at 3pm; and eight tutorials

*Requirements of entry:* None

*Co-requisites:* None

*Assessment:* Two essays (20% each), end of course examination (60%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course will provide the opportunity for students 1. To receive an introduction to the literature, history, and material and intellectual culture of Greece in the period 776-479 B.C. 2. To explore the range of source material available for the study of this period and a variety of methodologies appropriate to its use.

*Course Co-ordinator:* Dr Ronald Knox

### KZLU CLASSICAL CIVILISATION 1B: REPUBLICAN ROME, 220-19 B.C.

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Tuesday, Thursday and Friday at 3pm; and eight tutorials

*Requirements of entry:* None

*Co-requisites:* None

*Assessment:* Two essays (20% each), end of course examination (60%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course will provide the opportunity for students 1. To receive an introduction to the literature, history and material and intellectual culture of Rome in the period 220-19 B.C. 2. To explore the range of source material available for the study of this period and a variety of methodologies appropriate to its use.

*Course Co-ordinator:* Prof Matthew Fox

### 116B GREEK 1A

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Monday, Tuesday, Thursday, Friday - at 11 am

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* New Testament Greek 1 456U; Greek 1A (1999-2000)

*Assessment:* Two class tests (20% each), end of course examination (60%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To introduce students to the language of classical Greece

*Course Co-ordinator:* Mrs Linda Knox

### 2HHU GREEK 1B

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Monday, Tuesday, Thursday, Friday - at 11 am

*Requirements of entry:* Satisfactory completion of Greek 1A, or at the discretion of the Head of Department

*Co-requisites:* None

*Excluded Courses:* Greek 1B (1999-2000).

*Assessment:* Two class tests (20% each), end of course examination (60%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To advance your understanding of the language of classical Greece

*Course Co-ordinator:* Mrs Linda Knox

*Co-requisites:* None

*Excluded Courses:* 2HLU Latin 1A.

*Assessment:* Two class tests (20% each), end of course examination (60%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To develop your ability in reading Latin authors, with due attention to grammar, style and vocabulary, and to understand the aims, background and subject matter of chosen authors

*Course Co-ordinator:* Dr Luke Houghton

## 2HLU LATIN 1A: BEGINNING LATIN

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Daily - 9.00 am; lectures and weekly tutorials.

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* 2HNU Latin 1C

*Assessment:* Two class tests (20% each), end of course examination (60%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To introduce students to the grammar and syntax of the Latin language and to lay the basis for the acquisition of necessary vocabulary.

*Course Co-ordinator:* Dr Costas Panayotakis

## 2HPU LATIN 1D: READING LATIN (ADVANCED)

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Daily - 9.00 am

*Requirements of entry:* Satisfactory completion of Latin 1C, or at the discretion of the Head of Department

*Co-requisites:* None

*Excluded Courses:* 2HMU Latin 1B

*Assessment:* Two class tests (20% each), end of course examination (60%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To develop your skills in the reading of Latin and improve your grasp of the language; to understand the aims, background and subject matter of the prescribed authors.

*Course Co-ordinator:* Dr Luke Houghton

## 2HMU LATIN 1B: READING LATIN

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Daily 9.00 am

*Requirements of entry:* Satisfactory completion of Latin 1A, or at the discretion of the Head of Department

*Co-requisites:* None

*Excluded Courses:* 2HPU Latin 1D

*Assessment:* Two class tests (20% each), end of course examination (60%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To improve your grasp of the language and develop your skills in the reading of Latin; to understand the aims, background and subject-matter of the prescribed classical authors.

*Course Co-ordinator:* Dr Costas Panayotakis

## MDJV CLASSICAL CIVILISATION 2A. THE CIVIC DISCOURSE OF CLASSICAL ATHENS

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesday, Wednesday and Thursday at 1pm and Ten weekly seminars, starting in week two of the course.

*Requirements of entry:* A grade D or above in one of the following: Classical Civilisation 1A, Classical Civilisation 1B, Classical Greek Civilisation 1 (DACE course 1 or 2), Latin 1A, 1B, 1C, 1D, Greek 1A, 1B, or a course at level 1 in Archaeology, Civil Law, or Religion.

*Aims:* This course provides the opportunity for students to: study political organisation in the Greek world; explore dissent, debate and dialogue within the Athenian radical democracy; investigate the relationship between ethics and politics; examine ideology and propaganda within the polis; relate the physical environment of Athens to its political processes; set approaches to Greek drama in their historical and cultural context.

*Course Co-ordinator:* Dr Ian Ruffell

## 2HNU LATIN 1C: INTRODUCTORY READING OF LATIN

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Daily 9.00 am

*Requirements of entry:* SCE Higher Level or equivalent

### LEKV CLASSICAL CIVILISATION 2B: IMPERIAL ROME: CITY AND EMPIRE 19 BC - 180 AD

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Tuesday, Wednesday and Thursday at 1pm and Ten weekly tutorials (including two on visual and material culture), starting in week 2

*Requirements of entry:* Grade D or above in any one of the following: Classical Civilisation 1A; Classical Civilisation 1B; Classical Greek Civilisation 1 (DACE module 1 or 2); Latin 1A; Latin 1B; Latin 1C; Latin 1D; Greek 1A; Greek 1B; or a course at level 1 in Archaeology, Civil Law, or Religion.

*Co-requisites:* None

*Assessment:* one class essay (20%), one project (20%), and the end of course examination (60%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course provides the opportunity for students to: study the management of empire from the Julio-Claudian to the Antonine periods; relate centre and periphery in the Roman world; examine the conceptual and physical environment of the city - its perils, delights, fascination, and horror; consider the development and practice of memorialisation and commemoration in different contexts; investigate what it means to be Greek under Rome; explore philosophical and political responses to monarchy; explore key methods in the study of Roman literature, culture and society.

*Course Co-ordinator:* Dr Julia Shear

### 7FDV GREEK 2A

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Monday, Tuesday, Thursday and Friday - 10.00 am

*Requirements of entry:* D grade in Greek 1B, but a student having previous knowledge of Greek judged sufficient by the Head of Department may be admitted direct to 2A

*Co-requisites:* None

*Assessment:* Two class tests (20% each), one essay (20%), end of course examination (40%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To enlarge your knowledge of the language and literature of Classical Greece. The language part of the course involves translation from and into Greek.

*Course Co-ordinator:* Dr Ronald Knox

### 7FCV GREEK 2B

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Monday, Tuesday, Thursday, Friday - 10.00 am

*Requirements of entry:* Satisfactory completion of Greek 2A, or at the discretion of the Head of Department

*Co-requisites:* None

*Assessment:* Two class tests (20% each), one essay (20%), end of course examination (40%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To enlarge your knowledge of the language and literature of Classical Greece. The language part of the course involves translation from and into Greek.

*Course Co-ordinator:* Dr Ronald Knox

### 7FBV LATIN 2A: LETTERS AND SOCIETY

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* 4 days per week at 3.00 pm

*Requirements of entry:* Grade D or above in Latin 1B or 1D, or at the discretion of the Head of Department

*Assessment:* Two class tests (20% each), one essay (20%), end of course examination (40%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To develop your knowledge of the Latin language and provide a detailed understanding and appreciation of prescribed literary texts and the society within which they were written.

*Course Co-ordinator:* Dr Julia Shear

### 7FAV LATIN 2B: AUGUSTAN POETRY

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* 4 days per week at 3.00 pm

*Requirements of entry:* Grade D or above in Latin 2A, or at the discretion of the Head of Department

*Assessment:* Two class tests (20% each), one essay (20%), end of course examination (40%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To develop your knowledge of the Latin language and provide a detailed understanding and appreciation of prescribed literary texts and of the society within which they were written.

*Course Co-ordinator:* Dr Julia Shear

### 2Y5D CLASSICAL CIVILISATION 3

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures and seminars as per Classics Department Honours handbook

*Requirements of entry:* Grade D in Classical Civilisation 2A or 2B

*Assessment:* Three 20-credit Honours papers are chosen; form and timing of assessment varies depending on options chosen.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course aims to study the civilisation of Greece and Rome at an advanced level, extending and deepening the knowledge and understanding achieved in the classes at Levels 1 and 2. Emphasis is placed on three key modes of study of the ancient world, archaeological, historical and literary. No knowledge of the Greek and Latin languages is demanded but those who wish to begin Latin or Greek will be offered the option of doing so. The student chooses three options from the Honours programme but is assessed in them at level 3 General Humanities Standard.

*Course Co-ordinator:* Dr Ronald Knox

### 9LGF CLASSICS 3H (JOINT)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures and seminars as per Classics Department Honours handbook

*Requirements of entry:* At least two level one courses and two level two courses in Classical Civilisation, Greek and/or Latin with at least two Cs and two Ds. Three Ds and a C or four Ds may be considered for entry at the Head of Department's discretion. Students who have taken fewer than four courses may be considered for Honours entry but will be expected to take the missing courses in their Junior Honours year.

*Assessment:* Options are assessed in the session they are taught

*Degree Examination taken in:* April/May

*Aims:* To study the civilisation of Greece and Rome at an advanced level, extending and deepening the knowledge and understanding achieved in the courses taken in first and second year. Emphasis is placed on the four key modes of study of the ancient world, archaeological, historical, literary and philosophical. No knowledge of the Greek and Latin languages is demanded but those who wish to begin Latin or Greek will be offered the option of doing so. A primary aim is to promote direct intellectual engagement with ancient texts and artefacts which constitute the legacy of the ancient world: a secondary one is to illuminate with the aid of modern scholarship the multiform interpretations of them which more recent ages have evolved.

*Honours Course Prescription:* Over the two Honours years students take either six options (normally three in Junior Honours and three in Senior Honours) of 20 credits each; or four options of 20 credits each and a dissertation (40 credits). Joint honours students must do a dissertation; if you are doing a dissertation in your other subject you may not take the dissertation in Classics.

*Course Co-ordinator:* Dr Ronald Knox

### 9FYH CLASSICS 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures and seminars as per Classics Department Honours handbook

*Requirements of entry:* At least two level one courses and two level two courses in Classical Civilisation, Greek and/or Latin with at least two Cs and two Ds. Three Ds and a C or four Ds may be considered for entry at the Head of Department's discretion. Students who have taken fewer than four courses may be considered for Honours entry but will be expected to take the missing courses in their Junior Honours year.

*Assessment:* Options are assessed in the session they are taught

*Degree Examination taken in:* April/May

*Aims:* To study the civilisation of Greece and Rome at an advanced level, extending and deepening the knowledge and understanding achieved in the courses taken in first and second year. Emphasis is placed on the four key modes of study of the ancient world, archaeological, historical, literary and philosophical. No knowledge of the Greek and Latin languages is demanded but those who wish to begin Latin or Greek will be offered the option to do so. A primary aim is to promote direct intellectual engagement with ancient texts and artefacts which constitute the legacy of the ancient world: a secondary one is to illuminate with the aid of modern scholarship the multiform interpretations of them which more recent ages have evolved.

*Honours Course Prescription:* Over the two Honours years students take Ten options (20 credits each) and a dissertation worth 40 credits.

*Course Co-ordinator:* Dr Ronald Knox

### 116F GREEK 3H (JOINT)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures and seminars as per Classics Department Honours handbook

*Requirements of entry:* A grade of B in Greek 2B guarantees an offer of entry into Honours in Greek. A grade of C may be considered

*Co-requisites:* None

*Assessment:* Options are assessed in the session they are taught

*Degree Examination taken in:* April/May

*Aims:* The aim of the course is to study at an advanced level the principal works of Greek literature (both prose and poetry), as well as the language, history, philosophy, and archaeology of the classical period.

*Honours Course Prescription:* Over the two Honours years students must take options totalling 120 credits. These must include either Greek Unprepared Translation 89DF or Greek Prose Composition and Unprepared Translation 89DE; at least two papers from the Greek options; and at least one paper from the Classics options. The remaining 40 credits may be derived from either a dissertation (40 credits); or two further papers from the Greek options; or one paper from the Greek options and one paper from the Classics options. Unless in special circumstances the Head of Department

approves a different choice of options. Joint honours students must do a dissertation; if you are doing a dissertation in your other subject you may not take the dissertation in Greek.

*Course Co-ordinator:* Dr Ronald Knox

### 116H GREEK 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures and seminars as per Classics Department Honours handbook

*Requirements of entry:* A grade of B in Greek 2B guarantees an offer of entry into Honours in Greek. A grade of C may be considered

*Co-requisites:* None

*Assessment:* Options are assessed in the session they are taught

*Degree Examination taken in:* April/May

*Aims:* The aim of the course is to study at an advanced level the principal works of Greek literature (both prose and poetry), as well as the language, history, philosophy and archaeology of the classical period.

*Honours Course Prescription:* Over the two Honours years students take ten options: Greek unprepared translation or Greek prose composition and unprepared translation, six further papers from the Greek options, three papers from the Classics options, and a dissertation.

*Course Co-ordinator:* Dr Ronald Knox

### 9LBF LATIN 3H JOINT

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures and seminars as per Classics Department Honours handbook

*Requirements of entry:* A Grade of B in either level 2 course (or, with the approval of the Head of Department, a C) and at least a D in the other level 2 course guarantees entry into Honours Latin

*Assessment:* Options are assessed in the session they are taught

*Degree Examination taken in:* April/May

*Aims:* The aim of this programme is to increase students' expertise in the Latin language, to develop an understanding of selected literary works of major importance, and to study in depth various aspects of Classical culture.

*Honours Course Prescription:* Over the two Honours years students must take options totalling 120 credits. These must include either Latin Unprepared Translation 96NW or Latin Prose Composition and Unprepared Translation 93VU; at least two papers from the Latin options; and at least one paper from the Classics options. The remaining 40 credits may be derived from either a dissertation (40 credits); or two further papers from the Latin options; or one paper from the Latin options and one paper from the Classics options. Unless in special circumstances the Head of Department approves a different choice of options. Joint honours

students must do a dissertation; if you are doing a dissertation in your other subject you may not take the dissertation in Latin.

*Course Co-ordinator:* Dr Costas Panayotakis

### 9LFH LATIN 3H SINGLE

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures and seminars as per Classics Department Honours handbook

*Requirements of entry:* A Grade of B in either level 2 course (or, with the approval of the Head of Department, a C) and at least a D in the other level 2 course guarantees entry into Honours Latin

*Assessment:* Options are assessed in the session they are taught

*Degree Examination taken in:* April/May

*Aims:* The aim of this programme is to increase students' expertise in the Latin language, to develop an understanding of selected literary works of major importance, and to study in depth various aspects of Classical culture.

*Honours Course Prescription:* Over the two Honours years students take ten options: Latin unprepared translation or Latin prose composition and unprepared translation, six further papers from the Latin options, three papers from the Classics options, and a dissertation.

*Course Co-ordinator:* Dr Costas Panayotakis

### 9FXG CLASSICS 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures and seminars as per Classics Department Honours handbook

*Requirements of entry:* Satisfactory completion of Junior Honours

*Assessment:* Options are assessed in the session they are taught

*Degree Examination taken in:* April/May

*Aims:* To study the civilisation of Greece and Rome at an advanced level, extending and deepening the knowledge and understanding achieved in the courses taken in first and second year. Emphasis is placed on the four key modes of study of the ancient world, archaeological, historical, literary and philosophical. No knowledge of the Greek and Latin languages is demanded but those who wish to begin Latin or Greek will be offered the option of doing so. A primary aim is to promote direct intellectual engagement with ancient texts and artefacts which constitute the legacy of the ancient world: a secondary one is to illuminate with the aid of modern scholarship the multiform interpretations of them which more recent ages have evolved.

*Honours Course Prescription:* Over the two Honours years students take either six options (normally three in Junior Honours and three in Senior Honours) of 20 credits each; or four options of 20 credits each and a dissertation (40 credits). Joint honours students must do a

dissertation; if you are doing a dissertation in your other subject you may not take the dissertation in Classics.

*Course Co-ordinator:* Dr Ronald Knox

### 9LHJ CLASSICS 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures and seminars as per Classics Department Honours handbook

*Requirements of entry:* Satisfactory completion of Junior Honours

*Assessment:* Options are assessed in the session they are taught

*Degree Examination taken in:* April/May

*Aims:* To study the civilisation of Greece and Rome at an advanced level, extending and deepening the knowledge and understanding achieved in the courses taken in first and second year. Emphasis is placed on the four key modes of study of the ancient world, archaeological, historical, literary and philosophical. No knowledge of the Greek and Latin languages is demanded but those who wish to begin Latin or Greek will be offered the option to do so. A primary aim is to promote direct intellectual engagement with ancient texts and artefacts which constitute the legacy of the ancient world: a secondary one is to illuminate with the aid of modern scholarship the multiform interpretations of them which more recent ages have evolved.

*Honours Course Prescription:* Over the two Honours years students take Ten options (20 credits each) and a dissertation worth 40 credits.

*Course Co-ordinator:* Dr Ronald Knox

### 116G GREEK 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures and seminars as per Classics Department Honours handbook

*Requirements of entry:* Satisfactory completion of Junior Honours

*Co-requisites:* None

*Assessment:* Options are assessed in the session they are taught

*Degree Examination taken in:* April/May

*Aims:* The aim of the course is to study at an advanced level the principal works of Greek literature (both prose and poetry), as well as the language, history, philosophy, and archaeology of the classical period.

*Honours Course Prescription:* Over the two Honours years students must take options totalling 120 credits. These must include either Greek Unprepared Translation 89DF or Greek Prose Composition and Unprepared Translation 89DE; at least two papers from the Greek options; and at least one paper from the Classics options. The remaining 40 credits may be derived from either a dissertation (40 credits); or two further papers from the Greek options; or one paper from the Greek options and one paper from the Classics options. Unless in special circumstances the Head of Department

approves a different choice of options. Joint honours students must do a dissertation; if you are doing a dissertation in your other subject you may not take the dissertation in Greek.

*Course Co-ordinator:* Dr Ronald Knox

### 116J GREEK 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures and seminars as per Classics Department Honours handbook

*Requirements of entry:* Satisfactory completion of Junior Honours

*Co-requisites:* None

*Assessment:* Options are assessed in the session they are taught

*Degree Examination taken in:* April/May

*Aims:* The aim of the course is to study at an advanced level the principal works of Greek literature (both prose and poetry), as well as the language, history, philosophy and archaeology of the classical period.

*Honours Course Prescription:* Over the two Honours years students take ten options: Greek unprepared translation or Greek prose composition and unprepared translation, six further papers from the Greek options, three papers from the Classics options, and a dissertation.

*Course Co-ordinator:* Dr Ronald Knox

### 9LCG LATIN 4H JOINT

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures and seminars as per Classics Department Honours handbook

*Requirements of entry:* Satisfactory completion of Junior Honours

*Assessment:* Options are assessed in the session they are taught

*Degree Examination taken in:* April/May

*Aims:* The aim of this programme is to increase students' expertise in the Latin language, to develop an understanding of selected literary works of major importance, and to study in depth various aspects of Classical culture.

*Honours Course Prescription:* Over the two Honours years students must take options totalling 120 credits. These must include either Latin Unprepared Translation 96NW or Latin Prose Composition and Unprepared Translation 93VU; at least two papers from the Latin options; and at least one paper from the Classics options. The remaining 40 credits may be derived from either a dissertation (40 credits); or two further papers from the Latin options; or one paper from the Latin options and one paper from the Classics options. Unless in special circumstances the Head of Department approves a different choice of options. Joint honours students must do a dissertation; if you are doing a dissertation in your other subject you may not take the dissertation in Latin.

*Course Co-ordinator:* Dr Costas Panayotakis

### 9LEJ LATIN 4H SINGLE

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures and seminars as per Classics Department Honours handbook

*Requirements of entry:* Satisfactory completion of Junior Honours

*Assessment:* Options are assessed in the session they are taught

*Degree Examination taken in:* April/May

*Aims:* The aim of this programme is to increase students' expertise in the Latin language, to develop an understanding of selected literary works of major importance, and to study in depth various aspects of Classical culture.

*Honours Course Prescription:* Over the two Honours years students take ten options: Latin unprepared translation or Latin prose composition and unprepared translation, six further papers from the Latin options, three papers from the Classics options, and a dissertation.

*Course Co-ordinator:* Dr Costas Panayotakis

## Computing Science

### 7FWU COMPUTING SCIENCE - 1P

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Lectures 44 taught at 2 per week on Wednesday and Friday at 12.00 noon, and a 2-hour laboratory/tutorial session weekly throughout the session. One of the lecture sessions each week may take the form of a large group tutorial.

*Requirements of entry:* Eligible students should have a Grade B or above in Higher Mathematics, or a Grade C in Higher Mathematics AND a Grade B or above in Higher Computing/Information Systems, or a suitable equivalent.

*Excluded Courses:* The 20 credits for CS1P cannot be counted in addition to credits for CS1R (IP1), CS1S (FP1), or IPEE1.

*Assessment:* One 2-hour examination (60%), class tests (20%) and laboratory examinations (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aim of the CS1P course is to produce programmers equipped with an understanding of: Fundamental computational concepts underlying most programming languages; A range of problem-solving techniques using computers; The role of programming within the overall software development process; Attitudes and working practices appropriate for a professional programmer; The skills supporting the solution of small problems using a programming language; The clear expression of solutions at different levels of abstraction; Independent and self-motivated study in Computing Science.

*Course Co-ordinator:* Dr Simon Gay

### 7FXU COMPUTING SCIENCE - 1Q

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* 44 Lectures taught at 2 per week on Tuesday and Thursday at 12.00 noon, one-hour tutorial and two-hour laboratory session per fortnight, throughout the session.

*Requirements of entry:* A Grade B or above in Higher Mathematics, or a Grade C in Higher Mathematics AND a Grade B or above in Higher Computing/Information Systems, or a suitable equivalent.

*Co-requisites:* CS1P

*Excluded Courses:* The 20 credits for CS1Q cannot be counted in addition to credits for CS1X (CF1), CS1Y (HCII) or Humanities Computing Level 1 courses.

*Assessment:* One 2-hour examination (70%), class test (10%) assessed coursework (20%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aim of the CS1Q course is to give students an understanding of: the structure of a computer system at a range of levels: logic gates, functional units within the CPU, functional units within the computer, the operating system, the high-level programmer's view, networks, human-computer interaction: styles of interaction, requirements for an interactive system in relation to the nature of the tasks being supported, issues in the design of interactive systems, critical assessment of designs, the ways in which databases contribute to the management of large amounts of data, the professional and ethical issues raised by the existence of databases and networks, mathematics to support the previous items and to provide a foundation for level 2.

*Course Co-ordinator:* Dr Simon Gay

### KXDV COMPUTING SCIENCE 2P: JAVA PROGRAMMING 2

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Two 1-hour lectures per week tba (will be taught within Computing Science Level 2 times of either Mon, Tues or Wed at 11 am and either Wed at 1 pm or Thurs or Fri at 11 am), one 2-hour laboratory per week.

*Requirements of entry:* Entry to Level 2 Computing Science is guaranteed to students who achieve Grade C or better in each of CS1P and CS1Q at the first attempt. All others would be at the discretion of the Department.

*Co-requisites:* None.

*Excluded Courses:* Level 2 Humanities Computing.

*Assessment:* 1.5 hour degree examination (50%), 2 hour laboratory examination (30%), 1.5 hour class test (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To further develop the students' experience in programming using a strongly typed language (Java)

and strengthen their problem solving skills; To introduce the ideas that underpin object-oriented programming and ensure students gain the ability to appropriately utilise these concepts in developing small and medium sized software systems; To begin to develop the ability to select and re-use existing software components and libraries from a limited subset of standard libraries; To provide an introduction to elementary graphical user-interface (GUI) development.

*Course Co-ordinator:* Dr Robert Irving

### **3ABV COMPUTING SCIENCE 2R: ALGORITHMIC FOUNDATIONS 2**

*Credits:* 10 *Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Two 1-hour lectures per week tba (will be taught within Computing Science Level 2 times of either Mon, Tues or Wed at 11 am and either Wed at 1 pm or Thurs or Fri at 11 am); one hour Examples Class every 3 weeks; plus drop-in tutorials at times to be arranged.

*Requirements of entry:* Entry to Level 2 Computing Science is guaranteed to students who achieve Grade C or better in each of CS1P and CS1Q at the first attempt. All others would be at the discretion of the Department.

*Co-requisites:* Java Programming 2.

*Excluded Courses:* Level 2 Humanities Computing

*Assessment:* 1.5 hour examination (80%), plus assessed coursework (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce the foundational mathematics needed for Computing Science; To make students proficient in their use; To show how they can be applied to advantage in understanding computational phenomena.

*Course Co-ordinator:* Dr Robert Irving

### **3ADV COMPUTING SCIENCE 2T: COMPUTER SYSTEMS 2**

*Credits:* 10 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Two 1-hour lectures per week tba (will be taught within Computing Science Level 2 times of either Mon, Tues or Wed at 11 am and either Wed at 1 pm or Thurs or Fri at 11 am); one-hour Examples Class every 3 weeks and two-hour laboratory per fortnight as arranged.

*Requirements of entry:* Entry to Level 2 Computing Science is guaranteed to students who achieve Grade C or better in each of CS1P and CS1Q at the first attempt. All others would be at the discretion of the Department.

*Co-requisites:* None.

*Excluded Courses:* Level 2 Humanities Computing

*Assessment:* 1.5 hour examination (80%), plus assessed coursework (20%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To provide a thorough understanding of the integration of hardware and software components in a simple, but realistic, computer system.

*Course Co-ordinator:* Dr Robert Irving

### **8OYV COMPUTING SCIENCE 2U: INFORMATION MANAGEMENT 2**

*Credits:* 10 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Two 1-hour lectures per week tba (will be taught within Computing Science Level 2 times of either Mon, Tues or Wed at 11 am and either Wed at 1 pm or Thurs or Fri at 11 am); one-hour Examples Class every 3 weeks and two-hour laboratory per fortnight as arranged.

*Requirements of entry:* Entry to Level 2 Computing Science is guaranteed to students who achieve Grade C or better in each of CS1P and CS1Q at the first attempt. All others would be at the discretion of the Department.

*Co-requisites:* None.

*Excluded Courses:* Level 2 Humanities Computing.

*Assessment:* 1.5-hour examination (80%), plus assessed coursework (20%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To develop competence, confidence, and professionalism in designing and developing information systems which provide computer interfaces to the management of large collections of data, including delivery over the world wide web.

*Course Co-ordinator:* Dr Robert Irving

### **KXEV COMPUTING SCIENCE 2X: ALGORITHMS & DATA STRUCTURES 2**

*Credits:* 10 *Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Two 1-hour lectures per week tba (will be taught within Computing Science Level 2 times of either Mon, Tues or Wed at 11 am and either Wed at 1 pm or Thurs or Fri at 11 am), 1-hour examples classes every 3 weeks, 2-hour laboratory every fortnight.

*Requirements of entry:* Entry to Level 2 Computing Science is guaranteed to students who achieve Grade C or better in each of CS1P and CS1Q at the first attempt. All others would be at the discretion of the Department.

*Co-requisites:* Java Programming 2, Object-Oriented Software Engineering 2.

*Excluded Courses:* Level 2 Humanities Computing

*Assessment:* 1.5 hour examination (80%), coursework (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To familiarise students with fundamental data types and data structures used in programming, with the design and analysis of algorithms for the manipulation of such structures, and to provide practice in the implementation and use of these structures and algorithms in a Java context.



Course Co-ordinator: Dr Robert Irving

### **KXFV COMPUTING SCIENCE 2Y: OBJECT-ORIENTED SOFTWARE ENGINEERING 2**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Two 1-hour lectures per week tba (will be taught within Computing Science Level 2 times of either Mon, Tues or Wed at 11 am and either Wed at 1 pm or Thurs or Fri at 11 am), 1-hour examples classes every 3 weeks, 2-hour laboratories every fortnight, drop-in tutorials as arranged.

*Requirements of entry:* Entry to Level 2 Computing Science is guaranteed to students who achieve Grade C or better in each of CS1P and CS1Q at the first attempt. All others would be at the discretion of the Department.

*Co-requisites:* Java Programming 2, Algorithms and Data Structures 2.

*Excluded Courses:* Level 2 Humanities Computing

*Assessment:* 1.5 hour examination (80%), coursework (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce the basic concepts of software engineering; To present methods for the design, implementation and documentation of larger object-oriented programs; To develop program comprehension and design skills by studying and extending existing programs.

*Course Co-ordinator:* Dr Robert Irving

### **MNPW COMPUTING SCIENCE 3: DISTRIBUTED INFORMATION MANAGEMENT 3**

*Credits:* 10

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Mondays and Wednesday at 12 noon, Labs/tutorials: Tuesdays 2-4 pm.

*Requirements of entry:* Information Management 2, Java Programming 2.

*Co-requisites:* Professional Software Development 3.

*Assessment:* Assignment 30%, Examination 70%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To give students an understanding of the structure of distributed applications, to teach them to develop such applications, to strengthen their understanding of the context and rationale of distributed systems; To teach them to use XML as a communication mechanism; To develop the ability to implement and deploy software running on a distributed application; To make them aware of ongoing developments in distributed applications using the Web as an example.

*Course Co-ordinator:* Dr Karen Renaud

### **LXTW COMPUTING SCIENCE 3: EXTENDED PROJECT 3**

*Credits:* 10

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Tuesdays at 4 pm for attendance at Professional Issues 4 course. Project group meets with supervisor once a week throughout duration of project.

*Requirements of entry:* Object Oriented Software Engineering 2, Algorithms and Data Structures 2, Java Programming 2.

This course is only available to Designated students.

*Co-requisites:* Professional Software Development 3 Team Project 3

*Assessment:* Class Essay 20%, Class Test 30%, Project Report 50%

*Degree Examination taken in:* April/May

*Aims:* The aims of the course are: To familiarise students with ethics and professional issues; To give students the opportunity to write an individual report about their contribution to the group project.

*Course Co-ordinator:* Dr Karen Renaud

### **LVSW COMPUTING SCIENCE 3: SECURITY 3**

*Credits:* 10

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Two one-hour lectures and one 2-hour laboratory session (timetable to be advised).

*Requirements of entry:* Java Programming 2, Algorithms and Data Structures 2 and Object Oriented Software Engineering 2.

Only for Designated students.

*Assessment:* Examination 80%, Assignment 20%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To understand basic security concepts; To understand areas in which security and cryptography are important in developing secure software and secure distributed applications; To understand a number of standard techniques used to solve security problems, to be able to evaluate their effectiveness in various situations and make sensible choices between them; To appreciate the human factors involved in security; To understand security processes.

*Course Co-ordinator:* Dr Karen Renaud

### **514F COMPUTING SCIENCE 3H (COMBINED)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses chosen

*Requirements of entry:* A grade point average of at least 12 (i.e. C average) over at least four Level 2 Computing Science courses, at the first attempt, including a grade D or better in Algorithms and Data Structures 2, Java Programming 2 and Object Oriented Software Engineering 2, at the first attempt AND fulfil the requirements for the other subject.

*Assessment:* Each Computing Science course is assessed by examination and coursework as detailed in the course descriptions.

*Degree Examination taken in:* April/May

*Aims:* As for Single Honours in Computing Science, but with a reduced breadth due to the limit on the time available for the study of CS material. The best Combined Honours graduates will build links between their two disciplines, allowing them to constructively apply their technical skills and knowledge in interdisciplinary research and/or industrial settings.

*Honours Course Prescription:* Level 3: Professional Software Development 3, Advanced Programming 3 and three other taught courses (no project). For further details, see our website: <http://www.dcs.glasgow.ac.uk/courses/teaching>

*Course Co-ordinator:* Dr Karen Renaud

### **514H COMPUTING SCIENCE 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Varies.

*Requirements of entry:* The student must have a grade point average of at least 12 (i.e. C average) over all six Level 2 Computing Science courses, at the first attempt, having passed (Grade D or better) the Level 2 Computing Science courses Algorithms and Data Structures 2, Java Programming 2 and Object Oriented Software Engineering 2, at the first attempt. It is strongly recommended that 40 credits of Level 1 Mathematics are taken in year 1 or 2.

*Assessment:* Each course is assessed by examination and coursework as detailed in course descriptions.

*Degree Examination taken in:* April/May

*Aims:* The academic aim is to provide students with a deep understanding of the theory and practice of computing science. Students study a broad range of core topics, and are encouraged to discover the connections among these topics and to understand their common theoretical foundations. The professional aim is to produce graduates fit to occupy responsible positions in the information technology industry. Graduates will need a broad knowledge of computing, deep knowledge of selected topics, and extensive practical experience. The technology is changing so rapidly that knowledge of specific systems rapidly becomes obsolete. So, although the degree is regularly updated, the aim is to emphasise unchanging principles and to encourage independent study habits that will stand graduates in good stead throughout their professional careers.

*Honours Course Prescription:* Level 3: Advanced Programming 3, Algorithmics 3, Database Systems 3, Distributed Information Management 3, Interactive Systems 3, Networked Systems 3, Operating Systems 3, Professional Software Development 3, Programming Languages 3, and the Team Project 3 must be taken in Level 3. Admission to Level 4 is at the discretion of the Head of Department but is guaranteed to those who achieve a C average across the Level 3 courses. For further details, see our website: <http://www.dcs.glasgow.ac.uk/courses/teaching>

*Course Co-ordinator:* Dr Karen Renaud

### **4PTW COMPUTING SCIENCE 3P: ALGORITHMICS 3**

*Credits:* 10

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Provisionally - Lectures Tuesday and Thursday at 12 noon. Labs/tutorials Friday 2-4 p.m.

*Requirements of entry:* Algorithmic Foundations 2. Object Oriented Software Engineering 2, Java Programming 2. 40 credits of Level 1 Mathematics are strongly recommended. This course is only available to Honours students.

*Assessment:* Examination 80% Coursework 20%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To develop the student's skills in the design and analysis of algorithms; To study algorithms for a range of important standard problems; To introduce the student to the theory of NP-completeness together with its practical implications; To make the student aware of fundamental concepts of computability.

*Course Co-ordinator:* Dr Karen Renaud

### **4PYW COMPUTING SCIENCE 3Q: ADVANCED PROGRAMMING 3**

*Credits:* 10

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Provisionally - Lectures Wednesday and Friday at 11 a.m. Labs/Tutorials Wednesday 2-4 p.m.

*Requirements of entry:* Java Programming 2, Object Oriented Software Engineering 2, Algorithms and Data Structures 2.

*Assessment:* Examination: (80%); Coursework (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are: to develop practical expertise in, and understanding of, concurrent programming in Java; to explore a variety of different concurrency control mechanisms; to substantially develop the knowledge of C gained during summer preparatory reading; to develop the students' experience and understanding of programming in a low-level language; to develop the ability to craft efficient and effective code in a pointer-rich language; to introduce concurrent programming in C using the PThreads library; to further develop the ability to select and re-use existing software components and libraries; to enhance the students' skills in engineering software as interacting sub-systems, using interfaces and libraries to manage medium sized software development projects.

*Course Co-ordinator:* Dr Karen Renaud

### **4RDW COMPUTING SCIENCE 3S: OPERATING SYSTEMS 3**

*Credits:* 10

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Provisionally - Lectures Wednesday and Thursday at 10 a.m. Labs/Tutorials Thursday 2-4 p.m.

*Requirements of entry:* Computer Systems 2, Java Programming 2, Algorithms and Data Structures 2, Object Oriented Software Engineering 2. This course is only available to Honours students.

*Co-requisites:* Advanced Programming 3 (required) Network Systems 3 (recommended and optional)

*Assessment:* Examination (80%); Practical Exercises (20%) involving intensive C programming, and thorough evaluation of understanding of principles and techniques via assessed questions.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce the students to the styles of coding required with an OS; To give a thorough presentation of the contents of a traditional OS, including the key abstractions; To show the range of algorithms and techniques available for specific OS problems, and the implications of selection specific algorithms for application behaviour; To develop an integrated understanding of what the computer is doing, from a non-naive view of hardware to the behaviour of multi-threaded application processes; present the alternatives and clarify the trade-offs that drive OS and hardware design.

*Course Co-ordinator:* Dr Karen Renaud

#### **4RCW COMPUTING SCIENCE 3T: NETWORKED SYSTEMS 3**

*Credits:* 10

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Provisionally - Lectures Tuesday and Thursday 12 noon. Labs/tutorials Wednesday 2-4 p.m.

*Requirements of entry:* Computer Systems 2, Java Programming 2, Algorithms and Data Structures 2, Object Oriented Software Engineering 2. This course is only available to Honours students.

*Co-requisites:* Advanced Programming 3 (required) Operating Systems 3 (recommended and optional)

*Assessment:* Examination (100%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce the fundamental concepts and theory of communications; To provide a solid understanding of the technologies that support modern networked computer systems; To introduce low-level network programming concepts; To provide our the ability to evaluate and advise industry on the use and deployment of networked systems.

*Course Co-ordinator:* Dr Karen Renaud

#### **4RAW COMPUTING SCIENCE 3U: DATABASE SYSTEMS 3**

*Credits:* 10

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Provisionally - Lectures Wednesday and Friday at 11 a.m. Labs/Tutorials Friday 2-4 p.m.

*Requirements of entry:* Information Management 2, Java Programming 2.

*Assessment:* Examination 100%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* From the basic skills derived in Information Management 2, to develop the software engineering and database administration skills required for designing, creating, running and developing a relational database application and its associated application software suite. This will include extension of pre-existing systems and arrangements for extending operational systems; Understanding of how data intensive web systems interact with databases; Awareness of the limits and extensions to the relational model and an understanding of the potential of an alternative data model; Introduction to Information Retrieval Concepts and Techniques.

*Course Co-ordinator:* Dr Karen Renaud

#### **9TQW COMPUTING SCIENCE 3W: INTERACTIVE SYSTEMS 3**

*Credits:* 10

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Provisionally - Lectures Tuesday and Friday at 10a.m. Labs/tutorials Thursday 2-4 p.m.

*Requirements of entry:* Information Management 2, Java Programming 2, Object Oriented Software Engineering 2.

*Assessment:* Examination (70%); Practical Exercises (30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are

to offer students the opportunity to become familiar with one of the most important interaction paradigms; to enable students to become skilled in the use of techniques and tools for modelling, implementing and evaluating interactive systems; to enable students to apply the theories, techniques and tools presented in the course via challenging exercises which combine design, implementation and evaluation.

*Course Co-ordinator:* Dr Karen Renaud

#### **4REW COMPUTING SCIENCE 3X: PROFESSIONAL SOFTWARE DEVELOPMENT 3**

*Credits:* 20

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Provisionally - Lectures Monday and Thursday at 11 a.m. Labs/Tutorials Monday 2-4 p.m.

*Requirements of entry:* Java Programming 2, Algorithms and Data Structures 2, Object Oriented Software Engineering 2.

*Co-requisites:* Advanced Programming 3

*Assessment:* Because the material in this course is largely rooted in software engineering practice, 50% of the assessment comes from the PSD Group Exercise; the other 50% of the assessment comes from the course examination. An individual's assessment on the Group Exercise will be made up of a combination of group and individual deliverables. Group deliverables include the system requirements, design specification, test plan and system documentation as well as a final acceptable software product. Individual deliverables will normally include at least two reports and at least one public presentation. 50% of an individual's Group Exercise assess-

ment will come from group deliverables and 50% from individual deliverables.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are to:

introduce students to modern software development methods and techniques for building and maintaining large systems; provide an opportunity for the students to apply these methods and techniques presented to them in the context of an extended group-based software development exercise; make the students aware of the professional, social and ethical dimensions of software development. instil in the students a professional attitude towards software development.

*Course Co-ordinator:* Dr Karen Renaud

### **4RFW COMPUTING SCIENCE 3Y: TEAM PROJECT 3**

*Credits:* 20

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Project group meets with supervisor once a week throughout duration of project.

*Requirements of entry:* Object Oriented Software Engineering 2, Algorithms and Data Structures 2, Java Programming 2.

*Co-requisites:* Professional Software Development 3, Advanced Programming 3.

*Assessment:* Joint dissertation comprising a project report, documentation, and the software itself. 5% Presentation; 5% Writing Skills; 90% Project Dissertation

*Degree Examination taken in:* April/May

*Aims:* To design and implement, in a team, a software system that solves a (more-or-less) well-understood problem; to achieve a deliverable product in the form of a piece of working software.

*Course Co-ordinator:* Dr Karen Renaud

### **89EQ COMPUTING SCIENCE 3Z: PROGRAMMING LANGUAGES 3**

*Credits:* 10

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Provisionally - Lectures: Wednesdays and Fridays at 12 noon. Weekly Labs/Tutorials: Tuesday 2-4 p.m.

*Requirements of entry:* Java Programming 2. This course is for Honours students only.

*Co-requisites:* Advanced Programming 3.

*Assessment:* Examination (80%), Class Test (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims to: Give students experience of functional programming (complementing their experience of imperative and object-oriented programming); Show how the syntax of a programming language can be formalized; Explain the functions of compilers and interpreters, how they interact, and how they work; Provide a conceptual framework that will enable students to understand familiar programming languages more deeply and learn new languages more efficiently.

*Course Co-ordinator:* Dr Karen Renaud

### **8R9H SOFTWARE ENGINEERING 3H**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* varies.

*Requirements of entry:* An overall grade point average of 12 across all Level 2 courses including a grade point average of 13 in Algorithms and Data Structures 2, Java Programming 2 and Object Oriented Software Engineering 2. It is strongly recommended that 40 credits of Level 1 Mathematics are taken in year 1 or 2.

*Assessment:* Each Computing Science course is assessed by examination and coursework as detailed in the course descriptions. Additionally, there is an assessed summer placement.

*Degree Examination taken in:* April/May

*Aims:* The academic aim is to provide students with a deep understanding of the theory and practice of software engineering. Students study a broad range of core topics, and are encouraged to discover the connections among these topics and to understand their common theoretical foundations. The professional aim is to produce graduates fit to occupy responsible positions in the information technology industry, particularly within the software industry. Graduates will need a broad knowledge of computing, deep knowledge of selected topics in software engineering, and extensive practical experience. The technology is changing so rapidly that knowledge of specific systems rapidly becomes obsolete. So, although the degree is regularly updated, the aim is to emphasise unchanging principles and to encourage independent study habits that will stand graduates in good stead throughout their professional careers. The degree also aims to give graduates experience of software engineering in an industrial context, to this end an integral part of the degree is an industrial placement between the third and fourth years.

*Honours Course Prescription:* See single honours Level 3 for courses and includes summer placement.

*Course Co-ordinator:* Prof Raymond Welland

### **87QG SOFTWARE ENGINEERING SUMMER PLACEMENT**

*Credits:* 10

*Level:* 3

*When Taught:* Term 4 (June - September)

*Timetable:* Summer prior to Level 4.

*Requirements of entry:* Only for Software Engineering and Electronics Software Engineering students progressing to Level 4.

*Assessment:* Written report 50%, presentation on placement experience 25% and assessment of quality of experience 25%.

*Aims:* During the long vacation between third and fourth year, Software Engineering students will normally be required to undertake a summer placement of at least 10 weeks to gain relevant practical experience. During the placement their progress will be monitored by the Department. At the beginning of the fourth year students will be expected to submit a written report and give a presentation on their placement experience.

*Course Co-ordinator:* Prof Raymond Welland

### **4DMW TEAM PROJECT ESE3 (SOFTWARE)**

*Credits:* 20

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Project group meets with supervisor once a week throughout duration of project.

*Requirements of entry:* Object Oriented Software Engineering 2, Algorithms and Data Structures 2, Java Programming 2.

*Co-requisites:* Professional Software Development 3, Advanced Programming 3.

*Excluded Courses:* 5X4W Team Project III EE

*Assessment:* Joint dissertation comprising a project report, documentation, and the software itself. 5% Presentation; 5% Writing Skills; 90% Project Dissertation

*Degree Examination taken in:* April/May

*Aims:* Develop team and project planning skills in the context of the construction of a typical embedded computer system. Comments: Assessment will be on a Group basis with adjustments for individuals' contributions to the group. The Hardware and Software Design will be assessed through presentations, meetings and the Final Report.

*Course Co-ordinator:* Dr Karen Renaud

### **514G COMPUTING SCIENCE 4H (COMBINED)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses chosen

*Requirements of entry:* An average aggregate score of 12 over 60 credits of Computing Science 3H at the first attempt.

*Assessment:* Each Computing Science course is assessed by examination and coursework as detailed in the course descriptions. The split between examination and coursework will vary depending upon the combination chosen.

*Degree Examination taken in:* April/May

*Aims:* As for Single Honours in Computing Science, but with a reduced breadth due to the limit on the time available for the study of CS material. The best Combined Honours graduates will build links between their two disciplines, allowing them to constructively apply their technical skills and knowledge in interdisciplinary research and/or industrial settings.

*Honours Course Prescription:* For details of available courses, see our website: <http://www.dcs.glasgow.ac.uk/courses/teaching>

*Course Co-ordinator:* Dr David Manlove

### **514J COMPUTING SCIENCE 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses chosen

*Requirements of entry:* An average aggregate score of 12 in Computing Science 3H at the first attempt.

*Assessment:* Each Computing Science course is assessed by examination and coursework as detailed in course descriptions.

*Degree Examination taken in:* April/May

*Aims:* The academic aim is to provide students with a deep understanding of the theory and practice of computing science. Students study a broad range of core topics, and are encouraged to discover the connections among these topics and to understand their common theoretical foundations. Students also choose selected topics to study in considerable depth; this means that the best Honours graduates are also equipped to enter research programmes. The professional aim is to produce graduates fit to occupy responsible positions in the information technology industry. Graduates will need a broad knowledge of computing, deep knowledge of selected topics, and extensive practical experience. The technology is changing so rapidly that knowledge of specific systems rapidly becomes obsolete. So, although the degree is regularly updated, the aim is to emphasise unchanging principles and to encourage independent study habits that will stand graduates in good stead throughout their professional careers.

*Honours Course Prescription:* For details of available courses, see our website: <http://www.dcs.glasgow.ac.uk/courses/teaching>

*Course Co-ordinator:* Dr David Manlove

### **0TEJ COMPUTING SCIENCE 4M**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Varies.

*Requirements of entry:* An average aggregate score of 15 in Computing Science 3H at the first attempt will normally be required.

*Assessment:* Each Computing Science course contributing to Computing Science 4M is assessed by examination and coursework as detailed in course descriptions. For students choosing to exit at the end of year 4 the final classification will be weighted 40% from Level 3 and 60% from Level 4, as per Computing Science 4H

*Degree Examination taken in:* April/May

*Aims:* As for Computing Science 4H

*Honours Course Prescription:* Same as Computing Science 4H.

*Course Co-ordinator:* Mr Philip Gray

### **0TZG COMPUTING SCIENCE 4M (COMBINED)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Varies

*Requirements of entry:* An average aggregate score of 15 over 60 credits of Computing Science 3H Combined at the first attempt will normally be required.

*Assessment:* Each Computing Science course contributing to Computing Science 4M Combined is assessed by examination and coursework as detailed in the course descriptions. For students exiting at the end of year 4 the final classification will be weighted 40% from Level

3 and 60% from Level 4, as per Computing Science 4H Combined.

*Degree Examination taken in:* April/May

*Aims:* As for Combined Honours in Computing Science, but with goal of preparing students for final year of Combined MSci in Computing Science. The best Combined Honours graduates will build links between their two disciplines, allowing them to constructively apply their technical skills and knowledge in interdisciplinary research and/or industrial settings.

*Honours Course Prescription:* For details of available courses, see our website: <http://www.dcs.glasgow.ac.uk/courses/teaching>

*Course Co-ordinator:* Mr Philip Gray

### **8R9J SOFTWARE ENGINEERING 4H**

*Credits:* 130 *Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Varies.

*Requirements of entry:* An average aggregate score of 12 in Software Engineering 3H, excluding Software Engineering Summer placement, at the first attempt.

*Assessment:* Each Computing Science course is assessed by examination and coursework as detailed in the course descriptions.

*Degree Examination taken in:* April/May

*Aims:* The academic aim is to provide students with a deep understanding of the theory and practice of software engineering. Students study a broad range of core topics, and are encouraged to discover the connections among these topics and to understand their common theoretical foundations. Students also choose selected topics to study in considerable depth; this means that the best Honours graduates are also equipped to enter research programmes. The professional aim is to produce graduates fit to occupy responsible positions in the information technology industry, particularly within the software industry. Graduates will need a broad knowledge of computing, deep knowledge of selected topics in software engineering, and extensive practical experience. The technology is changing so rapidly that knowledge of specific systems rapidly becomes obsolete. So, although the degree is regularly updated, the aim is to emphasise unchanging principles and to encourage independent study habits that will stand graduates in good stead throughout their professional careers. The degree also aims to give graduates experience of software engineering in an industrial context, to this end an integral part of the degree is an industrial placement between the third and fourth years.

*Honours Course Prescription:* For details of the courses available, see our website: <http://www.dcs.glasgow.ac.uk/courses/teaching>

*Course Co-ordinator:* Prof Raymond Welland

### **LKGJ SOFTWARE ENGINEERING 4M**

*Credits:* 130 *Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Varies.

*Requirements of entry:* An average aggregate score of 15 in Software Engineering 3H, excluding Software En-

gineering summer placement, at the first attempt will normally be required.

*Assessment:* Each Computing Science course contributing to Software Engineering 4M is assessed by examination and coursework as detailed in course descriptions. For students choosing to exit at the end of year 4 the final classification will be weighted 40% from Level 3 and 60% from Level 4, as per Software Engineering 4H.

*Degree Examination taken in:* April/May

*Aims:* As for Software Engineering 4H.

*Honours Course Prescription:* Same as Software Engineering 4H.

*Course Co-ordinator:* Mr Philip Gray

### **0TKJ COMPUTING SCIENCE 5M**

*Credits:* 130 *Level:* 5

*When Taught:* Full Session (September - March)

*Timetable:* Varies.

*Requirements of entry:* An average aggregate score of 15 in Computing Science 4M will normally be required.

*Assessment:* The assessment of individual Level 5 courses is detailed in the relevant course descriptions. Final classifications of the MSci will be weighted 20% from Level 3, 30% from Level 4 and 50% from Level 5.

*Degree Examination taken in:* April/May

*Aims:* In addition to the aims of the current Honours programme, Level 5 of this MSci aims to: equip students with an advanced and systematic understanding of selected areas of Computing Science; provide the skills necessary to pursue independent research; prepare students for an academic or industrial research career; introduce students to critical research techniques necessary to successfully complete a Project Proposal and an MSci Research Project; introduce students to presentation skills critical to presenting the results of their research; introduce students to techniques critical to pursuing a successful research career after postgraduate studies.

*Honours Course Prescription:* Research Methods and Techniques, Research Readings in Computing Science, Advanced Research Readings in Computing Science, Research Proposal, Research Project, plus 10 credits of elective courses at level H or M.

*Course Co-ordinator:* Mr Philip Gray

### **0TYG COMPUTING SCIENCE 5M (COMBINED)**

*Credits:* 60 *Level:* 5

*When Taught:* Full Session (September - March)

*Timetable:* Varies.

*Requirements of entry:* An average aggregate score of 15 in Computing Science 4M Combined will normally be required.

*Assessment:* The assessment of individual Level 5 courses is detailed in the relevant course descriptions. Final classifications of the Combined MSci will be weighted 20% from level 3, 30% from Level 4 and 50% from Level 5.

*Degree Examination taken in:* April/May

*Aims:* In addition to the aims of the current combined Honours programme, Level 5 of this Combined MSci aims to: Equip combined students with an advanced and systematic understanding of selected areas of Computing Science; Provide the skills necessary to pursue independent research; Prepare students for an academic or industrial research career; Introduce students to critical research techniques necessary to successfully complete an MSci Research Project; Introduce students to presentation skills critical to presenting the results of their research; Introduce students to techniques critical to pursuing a successful research career after postgraduate studies.

*Honours Course Prescription:* Selected Research Readings in Computing Science, Research Methods and Techniques. Students must carry out an individual research project worth at least 40 credits. These 40 credits may be entirely accounted for from the 60 credit total in Computing Science. However, if the project credits are undertaken in whole or in part in the other participating Department, then any remainder of the student's 60 credit total in Computing Science may be replaced by appropriate electives.

*Course Co-ordinator:* Mr Philip Gray

### **KHWJ SOFTWARE ENGINEERING 5M**

*Credits:* 130 *Level:* 5

*When Taught:* Full Session (September - March)

*Timetable:* Varies.

*Requirements of entry:* An average aggregate score of 15 in Software Engineering 4M will normally be required.

*Assessment:* The assessment of individual Level 5 courses is detailed in the relevant course descriptions. Final classification of the MSci in Software Engineering will be weighted 20% from Level 3, 30% from Level 4 and 50% from Level 5.

*Degree Examination taken in:* April/May

*Aims:* This degree programme aims to: Provide students with a deep understanding of the theory and practice of computing, give students the opportunity to study a broad range of core computing science topics, encourage students to discover the connections among these topics and to understand their common theoretical foundations, produce graduates fit to occupy responsible positions in the information technology industry, expose students to software engineering in an industrial context via summer work placement, give students the opportunity to choose selected Software Engineering topics to study in considerable depth thereby equipping the best graduates to enter research programmes. Emphasise unchanging principles in computing science, encourage independent study habits that will stand graduates in good stead throughout their professional careers, enable students to enhance their transferable and interpersonal skills, particularly written and oral communication and team working, develop research skills including an understanding of research methods and techniques; reading and analysis of research papers in Software Engineering, enable students to prepare a research proposal and undertake a major research project in Software Engineering.

*Honours Course Prescription:* Research Methods and Techniques, Research Readings in Computing Science,

Advanced Research Readings in Software Engineering, Research Proposal, Research Project, plus 10 credits of elective courses at level H or M.

*Course Co-ordinator:* Mr Philip Gray

### **Economic & Social History**

#### **7BHU ECONOMIC & SOCIAL HISTORY 1A: INDUSTRIALISATION & SOCIAL CHANGE 1750-1914**

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Monday, Tuesday, Thursday - 3.00 p.m. Fortnightly tutorial

*Assessment:* Class Essay 30% (during semester) Project 20% (during semester) Examination 50% (end of semester)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course explores the causes and consequences of industrialisation from the mid-eighteenth century to the First World War. Starting with the pre-industrial economy and society, the course traces the development of a recognisably modern world in the nineteenth century, not only in terms of manufacturing and trade, but also the growth of cities, financial institutions, labour organisation, leisure activities and family relationships. The changes in all these areas are tracked from Britain, 'the cradle of the industrial revolution', to Europe, and then the wider world. National histories are placed in an international perspective and rapid transitions against the background of long-term trends. Students will be introduced to major questions in history such as the conditions for economic growth, the relationship between economic and social change, and the global transmission of both stability and instability. They will also get to grips with primary sources which are the basis for all historical knowledge. Courses 1A and 1B are built around the same key themes – international economic relations, labour and the workplace, social order and conflict, gender and the family, leisure and consumption, migration and community – in the same regions (Britain, Europe, the USA and Japan). However, they are designed as stand-alone courses.

*Course Co-ordinator:* Dr Duncan Ross

#### **7BJU ECONOMIC & SOCIAL HISTORY 1B: ECONOMIC & SOCIAL CHANGE SINCE 1914**

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Monday, Tuesday, Thursday - 3.00 pm; Fortnightly tutorial.

*Assessment:* One essay of c.1500 words (30%), one primary source report of c.1000 words (20%), one 2-hour, 2-question examination (50%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course explores economic and social change in the advanced economies from the First World War to

the era of Thatcher and Reagan. It introduces students to major issues in history, such as the causes of economic growth and recession, the sources of social change, and the impact of war on society and the economy. The course starts with the terrible legacy of the First World War and charts the crises of the inter-war period. These decades of mass unemployment, but also mass leisure, witnessed the rise of fascism and communism. The Second World War gave way to a prolonged boom, a time of conspicuous consumption but also of commitment to social welfare, which together helped fuel the sexual revolution and youth culture. The boom ended with the oil crisis of 1973 and the subsequent period of instability. The course examines how various countries have coped with the problems that followed. The emphasis on contemporary and international history enables students to understand the experience of their own society and economy more fully in the light of global and long-term trends. They will also get to grips with primary sources which are the basis for all historical knowledge. Courses 1A and 1B are built around the same key themes – international economic relations, labour and the workplace, social order and conflict, gender and the family, leisure and consumption, migration and community – in the same regions (Britain, Europe, the USA and Japan). However, they are designed as stand-alone courses.

*Course Co-ordinator:* Dr Duncan Ross

### **7KJV ECONOMIC & SOCIAL HISTORY 2A: EC & SOC HIST OF BRITAIN 1770-1914**

*Credits:* 20 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures Monday, Tuesday and Thursday - 3.00 -4.00 pm; weekly seminars/labs

*Requirements of entry:* D grade or above in one or more Level 1 courses in Economic and Social History or History, or 20 credits at D or above in Level 1 Economics.

*Excluded Courses:* N/A

*Assessment:* 1 essay of c2000 words, 30%. 1 computer exercise (MS-Excel) 20%. 1 2-question, 2-hour exam at the end of course (January) 50%.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* With a focus on Scotland and England from the late 18th century until the outbreak of World War I, the course seeks to develop both historical and transferable skills building on the analytical and conceptual experience gained in Level 1 classes. The course provides a background for understanding the main trends in British economic and social development from its rise as the first major industrial nation, to its position as a 'mature' economy in the early 20th century, faced with the growth of international competition. General aims are:

1. To develop confidence in the selection and analysis of information and in the use of written skills in essays and examinations.
2. To interrogate widely-used software to give an understanding of the use of the computer as a historical tool.

3. To develop skills in presenting reasoned arguments, backed by the use of relevant and convincing evidence.

*Course Co-ordinator:* Dr Mark Freeman

### **7TDV ECONOMIC & SOCIAL HISTORY 2B: EC & SOC HIST OF BRITAIN SINCE 1914**

*Credits:* 20 *Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures Monday, Tuesday, Thursday - 3.00-4.00 pm; weekly seminars

*Requirements of entry:* D grade or above in one or more Level 1 courses in Economic and Social History or History, or 20 credits at D or above in Level 1 Economics.

*Assessment:* 1 essay c2000 words, 30%. 1 oral history exercise 20%, 1 2-question, 2-hour exam at end of course (June) 50%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* With a focus on Scotland and England since the outbreak of World War 1, the course seeks to develop both historical and transferable skills building on the analytical and conceptual experience gained in Level 1 classes. The course provides a background for understanding the economic and social position of contemporary Britain, including the effects of two World Wars on economic and social trends, the difficulties created by the international depression of the inter-war years, the main economic and social patterns in Britain since World War II. General aims are:

1. To develop confidence in the selection and analysis of information and in the use of written skills in essays and examinations.
2. To examine a range of methods and approaches used by economic and social historians.
3. To develop skills in presenting reasoned arguments, backed by the use of relevant and convincing evidence.

*Course Co-ordinator:* Dr Mark Freeman

### **JKDW ECONOMIC & SOCIAL HISTORY 3: RESEARCH METHODS IN ECON & SOCIAL HISTORY A**

*Credits:* 20 *Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Class meetings Wednesdays 10-12; Tutorials TBA

*Requirements of entry:* 40 credits of Economic and Social History Level 2.

*Co-requisites:* JKBW Economic & Social History 3: Studies in Economic and Social History

*Excluded Courses:* 9KXW Economic & Social History 3: Research Methods in Economic & Social History

*Assessment:* Class Essay Mark - Individual

*Aims:* To build basic skills in the historiography and bibliography of Economic and Social History focusing primarily on a single theme; To enhance essay-writing skills; To develop and improve library skills; To develop transferable and other skills associated with the University's Employability strategy.



*Course Co-ordinator:* Prof Raymond Stokes

**JKCW ECONOMIC & SOCIAL HISTORY  
3: RESEARCH METHODS IN ECON &  
SOCIAL HISTORY B**

*Credits:* 20

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Class meetings Wednesday 10-12; Computer sessions: Thursdays 3-5 or Fridays 9-11 in DISH Lab; Tutorials - TBA

*Requirements of entry:* Completion of Research Methods in Economic and Social History A

*Excluded Courses:* 9KYW Economic & Social History 3: Research Methods

*Assessment:* Project length - 3000 words

*Aims:* To develop basic skills in source criticism, some quantitative methods, and rudimentary historical computing; To develop some skills in oral presentation; To introduce students to groupwork; To develop transferable and other skills associated with the University's Employability strategy

*Course Co-ordinator:* Prof Raymond Stokes

**JKBW ECONOMIC & SOCIAL HISTORY  
3: STUDIES IN ECONOMIC AND  
SOCIAL HISTORY**

*Credits:* 20

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* TBA

*Requirements of entry:* 40 credits of Economic and Social History Level 2.

*Co-requisites:* Research Methods in Economic and Social History A and B

*Excluded Courses:* 9KZW Economic & Social History 3: Studies in Economic and Social History

*Assessment:* Essay (2,000-3,000) words.

*Aims:* To provide intensive training through lectures and seminars on a general topic in Economic and Social History related to the project group in Research methods in Economic and Social History A and B; To develop transferable and other skills associated with the University's Employability strategy.

*Course Co-ordinator:* Prof Raymond Stokes

**200F ECONOMIC AND SOCIAL  
HISTORY 3H (JOINT)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* To progress to Honours students require:- 40 credits in Level One Economic and Social History at Grade B or above; OR 40 credits in Level Two Economic and Social History at Grade C or above. OR 20 credits in Level One Economic and Social History and 20 credits in Level Two Economic and Social History at Grade C or above, plus 20 credits at level 2 in either Economics at grade C or above or History at grade C or above. The Honours Co-ordinator has discretion over students who do not meet either of these criteria for entry into Honours.

*Assessment:* Unless otherwise specified all courses are examined in one 2-hour paper at the end of the year. Courses studied in Junior Honours are examined at the end of year 3. Courses studied in Senior Honours are examined at the end of Year 4. Each examination paper is weighted as 70%, the class work representing 30%.

*Degree Examination taken in:* April/May

*Aims:* The Honours courses in Economic and Social History aim: to develop an understanding of the processes of economic development and social change; to explore the relationship between economic and social change; to provide understanding of the main patterns of economic and social change in the major economies to the present day; to relate the historical process of economic and social development to an understanding of contemporary issues.

*Honours Course Prescription:* Researching Economic and Social History 1 and two from option list given below to be taken in Junior Honours year. Researching Economic and Social History 2 plus two courses (or one and a dissertation) to be taken in Senior Honours year. Course Options: British Economic Policy 1945-51: The Labour Governments; Economic and Social History of Eastern Europe, 1918-198; Innovations in Western Medicine, 1790-1960; Popular Culture in Britain 1870-c1939; Poverty and Progress: Britain 1885-1914; Saints and Sinners: The Religions of the people of early modern England; Scotland Since 1914; Family and Family Relationships; World War II : Economy & Society; Health and Society in Germany since c 1900; Disease, Medicine and Society in Britain 1750-1914, Work and Labour.

*Course Co-ordinator:* Dr Annmarie Hughes

**200H ECONOMIC AND SOCIAL  
HISTORY 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* To progress to Honours students require:- 40 credits in Level One Economic and Social History at Grade B or above; OR 40 credits in Level Two Economic and Social History at Grade C or above. OR 20 credits in Level One Economic and Social History and 20 credits in Level Two Economic and Social History at Grade C or above, plus 20 credits at level 2 in either Economics at grade C or above or History at grade C or above. The Honours Co-ordinator has discretion over students who do not meet either of these criteria for entry into Honours.

*Excluded Courses:* 200A Economic & Social History AOS Paper I

*Assessment:* Unless otherwise specified all courses are examined in one 2-hour paper in a split diet. Courses studied in Junior Honours are examined at the end of year 3. Courses studied in Senior Honours are examined at the end of Year 4. Each examination paper is weighted as 70%, the class work contributes 30%.

*Degree Examination taken in:* April/May

*Aims:* The Honours courses in Economic and Social History aim: to develop an understanding of the processes of economic development and social change; to explore

the relationship between economic and social change; to provide understanding of the main patterns of economic and social change in the major economies to the present day; to relate the historical process of economic and social development to an understanding of contemporary issues.

*Honours Course Prescription:* Researching Economic and Social History 1 and five from option list given below to be taken in Junior Honours year. Researching Economic and Social History 2 plus five courses (or four and a dissertation) to be taken in Senior Honours year. Course Options: British Economic Policy 1945-51: The Labour Governments; Economic and Social History of Eastern Europe, 1918-198; Innovations in Western Medicine, 1790-1960; Popular Culture in Britain 1870-c1939; Poverty and Progress: Britain 1885-1914; Saints and Sinners: The Religions of the people of early modern England; Scotland Since 1914; Family and Family Relationships; World War II : Economy & Society; Health and Society in Germany since c 1900; Disease, Medicine and Society in Britain 1750-1914, Work and Labour.

*Course Co-ordinator:* Dr Annmarie Hughes

### **200G ECONOMIC AND SOCIAL HISTORY 4H (JOINT)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Satisfactory completion of 200F.

*Assessment:* Unless otherwise specified all courses are examined in one 2-hour paper at the end of the year. Courses studied in Junior Honours are examined at the end of year 3 - two papers taken. Courses studied in Senior Honours are examined at the end of Year 4 - four papers taken (or two papers plus dissertation). Each examination paper is weighted as 70%, the classwork representing 30% based on one essay (20%) and one project (10%) for each course.

*Degree Examination taken in:* April/May

*Aims:* The Honours courses in Economic and Social History aim: to develop an understanding of the processes of economic development and social change; to place industrialisation and its social consequences in a clear historical framework; to provide understanding of the main patterns of economic and social change in the major economies to the present day; to relate the historical process of economic and social development to an understanding of contemporary issues.

*Honours Course Prescription:* Researching Economic and Social History 1 and two from option list given below to be taken in Junior Honours year. Researching Economic and Social History 2 plus two courses (or one and a dissertation) to be taken in Senior Honours year. Course Options: British Economic Policy 1945-51: The Labour Governments; Economic and Social History of Eastern Europe, 1918-198; Innovations in Western Medicine, 1790-1960; Popular Culture in Britain 1870-c1939; Poverty and Progress: Britain 1885-1914; Saints and Sinners: The Religions of the people of early modern England; Scotland Since 1914; Family and Family Relationships; World War II : Economy & Society;

Health and Society in Germany since c 1900; Disease, Medicine and Society in Britain 1750-1914, Work and Labour.

*Course Co-ordinator:* Dr Annmarie Hughes

### **200J ECONOMIC AND SOCIAL HISTORY 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Satisfactory completion of 200H.

*Assessment:* Unless otherwise specified all courses are examined in one 2-hour paper in a split diet. Courses studied in Junior Honours are examined at the end of year 3 - six papers are taken. Courses studied in Senior Honours are examined at the end of Year 4 - eight papers are taken (or six papers plus dissertation). Each examination paper is weighted as 70%, the classwork contributes 30%, based on one essay (20%) and one project (10%) for each course.

*Aims:* The Honours courses in Economic and Social History aim: to develop an understanding of the processes of economic development and social change; to place industrialisation and its social consequences in a clear historical framework; to provide understanding of the main patterns of economic and social change in the major economies to the present day; to relate the historical process of economic and social development to an understanding of contemporary issues.

*Honours Course Prescription:* Researching Economic and Social History 1 and five from option list given below to be taken in Junior Honours year. Researching Economic and Social History 2 plus five courses (or four and a dissertation) to be taken in Senior Honours year. Course Options: British Economic Policy 1945-51: The Labour Governments; Economic and Social History of Eastern Europe, 1918-198; Innovations in Western Medicine, 1790-1960; Popular Culture in Britain 1870-c1939; Poverty and Progress: Britain 1885-1914; Saints and Sinners: The Religions of the people of early modern England; Scotland Since 1914; Family and Family Relationships; World War II : Economy & Society; Health and Society in Germany since c 1900; Disease, Medicine and Society in Britain 1750-1914, Work and Labour.

*Course Co-ordinator:* Dr Annmarie Hughes

## **Economics**

### **LRWU ECONOMICS 1A**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Taught 2-3pm, Monday, Tuesday, Thursday and occasionally Wednesday; Weekly tutorials during semester 1 at times to be arranged

*Requirements of entry:* Admission to the Faculty of Law, Business and Social Sciences

*Assessment:* Three assignments, with the best two marks contributing a total of 20% and end-of-course 2-hour unseen examination in December.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The general aims of this course are to: 1. provide an overall introduction to economics starting with an examination of the operation of the market mechanism in theory and practice including international trade. 2. provide a foundation for further study of economics. 3. encourage you to take responsibility for your own learning (self-directed learning), and to acquire skills relevant to a wide range of situations beyond this course: how to think analytically, to express yourself clearly and directly, and to employ information technology

*Course Co-ordinator:* Dr Alexander Kovalenkov

## LRXU ECONOMICS 1B

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Taught 2-3pm, Monday, Tuesday, Thursday and occasionally Wednesday; Weekly tutorials during semester 2 at times to be arranged

*Requirements of entry:* Normally completion of Economics 1A

*Assessment:* Three assignments, with the best two marks contributing a total of 20% and end-of-course 2-hour unseen examination in May/June.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The general aims of this course are to: 1. provide an overall introduction to the working of the economy as a whole, and the purposes and methods of government activity in a "mixed" economy; 2. provide a foundation for further study of economics at Level 2; 3. encourage the student to take responsibility for their own learning (self-directed learning), and to acquire skills relevant to a wide range of situations beyond this course: how to think analytically, to express themselves clearly and directly, and to employ information technology.

*Course Co-ordinator:* Dr Alexander Kovalenkov

## 7JLV ECONOMICS 2

*Credits:* 40

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* 1.00 pm Monday to Friday. Tutorials at times to be arranged.

*Requirements of entry:* Economics 1 at grade D

*Excluded Courses:* Economics for Business Administration 2. Economics 2 (Half Course).

*Assessment:* Macroeconomics class examination (December): 10%; 1 x Mathematical Economics Assignment (January): 10%; Microeconomics class examination (March): 10%; end of course examination in Macro, Micro, Mathematical Economics & Data Analysis (May/June): 70%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The main aims of this course are: to provide a solid foundation in intermediate macroeconomic and

microeconomic analysis on which to build the more advanced theoretical and applied work of subsequent honours level Economics courses; to consider problems of macroeconomic adjustment in both a closed and an open economy and the potential role for policy in the face of unemployment and inflation; to build a familiarity with the basic tools of consumption and production theory, the operation of markets and optimisation in an economic context; to develop skills in using mathematics applied to economics problems; to develop a knowledge of, and an ability to use, the basic tools of economic data analysis.

*Course Co-ordinator:* Mr Robin Milne

## SARV ECONOMICS FOR BUSINESS ADMINISTRATION 2

*Credits:* 30

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* 1.00 pm Monday to Friday. Tutorials at times to be arranged.

*Requirements of entry:* Grade D in Economics 1

*Excluded Courses:* Economics 2. Economics 2 (Half Course).

*Assessment:* Macroeconomics class examination (December): 10%; 1 x Mathematical Economics assignment (January): 10%; Microeconomics class examination (March) 10%; end of course examination in Macroeconomics, Microeconomics and Mathematical Economics (May/June): 70%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The main aims of this course are: to provide a solid foundation in intermediate macroeconomic and microeconomic analysis on which to build more advanced theoretical and applied work in subsequent study in honours level Economics courses; to consider problems of macroeconomic adjustment in both a closed and an open economy and the potential role for policy in the face of unemployment and inflation; to build a familiarity with the basic tools of consumption and production theory, the operation of markets and optimisation in an economic context; to develop skills in using mathematics applied to economic problems.

*Course Co-ordinator:* Mr Robin Milne

## LSEW ECONOMICS 3: DEVELOPMENT AND POLICY IN LESS DEVELOPED COUNTRIES

*Credits:* 15

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Tuesdays: 4.00pm - 6.00pm, weekly

*Requirements of entry:* Normally Grade D or above in either Economics 2 or Economics for Business Administration 2.

*Assessment:* Summative assessment comprises coursework (30%) and a 2-hour end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The main aims of this course are: 1. survey the principal problems of less developed countries; 2. analyse these problems from an economic standpoint; 3. demonstrate the relevance of a coherent analytical framework in understanding the process whereby economic development might be furthered, with an emphasis on the process of transition from less developed to developed status.

*Course Co-ordinator:* Prof William Huff

### **LRVW ECONOMICS 3: ENVIRONMENTAL ECONOMICS**

*Credits:* 15

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesdays: 10.00am - 12.00 noon, weekly

*Requirements of entry:* Normally grade D or above in either Economics 2 or Economics for Business Administration 2

*Excluded Courses:* None (Natural Resource Economics is an obvious complement to this course and takes place in the second term).

*Assessment:* Summative assessment comprises coursework (30%) and a 2-hour end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The main aims of this course are to: identify and analyse the key issues confronting economies and economists in attempting to reconcile economic growth with environmental and ecological constraints and to demonstrate the use of economic theory in analysing contemporary environmental issues and in the formulation of policy.

*Course Co-ordinator:* Mr Anthony Gloyne

### **LSBW ECONOMICS 3: FOREIGN DIRECT INVESTMENT & MULTINATIONAL FIRMS IN DEVELOPING COUNTRIES**

*Credits:* 15

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* One 2-hour lecture per week

*Requirements of entry:* Normally grade D or above in either Economics 2 or Economics for Business Administration 2

*Assessment:* This is by coursework and final examination. The final examination accounts for 70% of the final assessment and consists of a two-hour written examination. Course work accounts for 30% of the final assessment and consists an essay of 1,500 words.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aim of this course is to provide students with an up-to-date knowledge on a major dimension of international economics: foreign direct investment (FDI). The first part of the course defines FDI and multinational firms, and explains why firms become multinationals, and how the latter organise their production.

The second part of the course analyses the FDI attractiveness of host countries and investigates the potential positive and negative impacts of FDI in the host country and in the home country. Since attracting FDI is considered a development priority by developing countries, as they wish to benefit from the growth opportunities that accompany these capital flows, this course emphasises the key issues of FDI in developing countries.

*Course Co-ordinator:* Ms Celine Azemar

### **LRYW ECONOMICS 3: GROWTH, FINANCE AND TRADE IN LESS DEVELOPED COUNTRIES**

*Credits:* 15

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesdays: 4.00pm - 6.00pm, weekly

*Requirements of entry:* Normally grade D or above in either Economics 2 or Economics for Business Administration 2

*Assessment:* Summative assessment comprises coursework (30%) and a 2-hour end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The main aims of this course are: - survey the principal problems of less developed countries; - analyse these problems from an economic standpoint; - demonstrate the relevance of a coherent analytical framework in understanding the process whereby economic development might be furthered, with an emphasis on the process of transition from less developed to developed status.

*Course Co-ordinator:* Prof William Huff

### **LSDW ECONOMICS 3: INTERNATIONAL FINANCE**

*Credits:* 15

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Thursday: 11.00am - 1.00pm, weekly

*Requirements of entry:* Normally grade D or above in either Economics 2 or Economics for Business Administration 2.

*Assessment:* Summative assessment comprises coursework (30%) and a 2-hour end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of this course are: 1. to present an analysis of how the international economy works, in terms of capital movements; 2. to show how techniques of both macroeconomic and microeconomic analysis can be deployed in the context of an open economy; 3. to set out a coherent framework within which open economy macroeconomic policy, and exchange rate policy can be analysed.

*Course Co-ordinator:* Dr Joseph Byrne

### LSAW ECONOMICS 3: INTERNATIONAL TRADE

*Credits:* 15 *Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Thursdays: 11.00am - 1.00pm, weekly

*Requirements of entry:* Normally grade D or above in either Economics 2 or Economics for Business Administration 2.

*Assessment:* Summative assessment comprises coursework (30%) and a 2-hour end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of this course are: 1. to present real world policy problems within a coherent theoretical framework; 2. to present an analysis of how the international economy works in terms of trade; 3. to set out a coherent framework within which trade policy can be analysed.

*Course Co-ordinator:* Dr Joseph Byrne

### LRSW ECONOMICS 3: NATURAL RESOURCE ECONOMICS (ONLY AVAILABLE IN 2008-2009)

*Credits:* 15 *Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Tuesdays: 10.00 am - 12.00 noon, weekly

*Requirements of entry:* Normally grade D or above in either Economics 2 or Economics for Business Administration 2. This course complements the first term Environmental Economics course but it is possible for suitably qualified student to attend this as a stand alone course at the discretion of the course organiser.

*Assessment:* Summative assessment comprises coursework (30%) and a 2-hour end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The main aim of this course is to familiarise students with the differing categories of natural resources and the economic theory associated with their optimal use. The general context is that of the 'sustainable development/ carrying capacity' debate and the potential constraints that natural resource availability may pose to the processes of economic development. The history of concern over 'limits to growth' will be discussed and explanations for failure of earlier forecast doomsday predictions to materialise.

*Course Co-ordinator:* Mr Anthony Gloyne

### LRZW ECONOMICS 3: REGIONAL ECONOMICS AND THE SCOTTISH ECONOMY 1

*Credits:* 15 *Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* One 2-hour lecture per week

*Requirements of entry:* Normally grade D or above in either Economics 2 or Economics for Business Administration 2.

*Assessment:* Summative assessment comprises coursework (30%) and a 2-hour end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims: 1. To enhance students' analytical and intellectual skills and personal development through the study of regional economics. 2. To develop students' capacity for self-motivated learning, problem solving and group-working through the application of theoretical approaches to real world problems. 3. To equip students for further study in regional economics or regional development and/or employment in related occupations.

*Course Co-ordinator:* Prof Richard Harris

### LSCW ECONOMICS 3: REGIONAL ECONOMICS AND THE SCOTTISH ECONOMY 2

*Credits:* 15 *Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* One 2-hour lecture per week

*Requirements of entry:* Normally grade D or above in either Economics 2 or Economics for Business Administration 2.

*Assessment:* Summative assessment comprises coursework (30%) and a 2-hour end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims to: 1. To enhance students' analytical and intellectual skills and personal development through the study of regional economics. 2. To develop students' capacity for self-motivated learning, problem solving and group-working through the application of policy to real world problems. 3. To equip students for further study in regional economics or regional development and/or employment in related occupations.

*Course Co-ordinator:* Prof Richard Harris

### LRTW ECONOMICS 3: THE ECONOMICS OF HOUSING MARKETS

*Credits:* 15 *Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Fridays: 11.00am - 1.00pm, weekly

*Requirements of entry:* Normally grade D or above in either Economics 2 or Economics for Business Administration 2.

*Assessment:* Summative assessment comprises coursework (30%) and a 2-hour end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aim of this course is: - To expose students to modern debates in economic theory in the field of housing economics - To allow students to develop skills in manipulating basic economic models - To allow students to develop skills in understanding primary data and to analyse and utilise large secondary data sets

*Course Co-ordinator:* Ms Jeanette Findlay

### LRUW ECONOMICS 3: THE ECONOMICS OF HOUSING POLICY (ONLY AVAILABLE IN 2008-2009)

*Credits:* 15 *Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Fridays: 11.00am - 1.00pm, weekly

*Requirements of entry:* Normally Grade D or above in either Economics 2 or Economics for Business Administration 2.

*Assessment:* Summative assessment comprises coursework (30%) and a 2-hour end-of-course exam (70%)<sup>1</sup>

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aim of this course is - to allow students to develop skills in manipulating basic economic models for policy applications; - contribute to debates about housing policy in different tenures from an applied economics perspective.

*Course Co-ordinator:* Ms Jeanette Findlay

### 2NRF ECONOMICS 3H (JOINT)

*Credits:* 60 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 3H: Monday, 2.00 pm-4.00 pm. 4H: Monday and Tuesday at 3.00 pm. 3H/4H: other times to be arranged, depending on courses selected.

*Requirements of entry:* Grade C or better in Economics 2

*Assessment:* Summative assessment comprises an in-course exam or coursework (30%) and an end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Aims:* We aim to develop in students an appreciation of the scope of economics and its relevance to a wide range of issues, including social, political and other issues of public concern; develop students' knowledge and understanding of economic concepts, approaches and analytical methods; equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics; relate the academic study of economics to problems of economic policy and issues of public concern; create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; and provide students with a knowledge and skill base from which they can proceed to further studies in economics and related areas or in multidisciplinary areas that involve economics.

*Honours Course Prescription:* Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Government and the Economy; and FOUR from:

Smith's Intellectual System; Smith and Political Economy; Economics of Industry 1: Basic Theories of Market Structures; Economics of Industry 2: Advanced Topics; Growth, Finance and Trade in Less Developed

Countries; Economics of Development Policy in Less Developed Countries; Environmental Economics; Natural Resource Economics; Financial Markets and Asset Pricing; Financial Markets and Corporate Finance; International Trade; International Finance; The Economics of Work and Pay; Research and Methods in Applied Labour Economics; Science and Economics; Contrasts in Economic Thought; Advanced Macroeconomics 1: Government Debt, Interest Rates and Economic Growth; Advanced Macroeconomics 2: Economic Fluctuations, Unemployment and Inflation; Welfare Economics 1: Individual Choice and Values; Welfare Economics 2: Social Choice and Policy; The International Economy and Development in Colonial Southeast Asia; Globalization and Development in Southeast Asia; Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strategy; The Economics of Housing Markets; The Economics of Housing Policy; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications; Regional Economics and the Scottish Economy 1: Analysis; Regional Economics and the Scottish Economy 2: Policy; Dissertation.

Students will normally take Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth and two courses in 3H, and Government and the Economy and two courses or a Dissertation in 4H.

BAcc and LLB students only take Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth in 3H and Government and the Economy plus two courses in 4H (i.e. a total of 90 credits in Economics). They may not take an Economics dissertation. BAcc students are not permitted to take Financial Markets and Asset Pricing; Financial Markets and Corporate Finance as options. A student may submit no more than one dissertation as part of an Honours degree.

*Course Co-ordinator:* Mr Terence Moody

### 2NRH ECONOMICS 3H (SINGLE)

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 3H: Monday and Tuesday, 2.00pm-4.00 pm. 4H: Monday and Tuesday at 3.00 pm. 3H/4H: other times depending on courses selected

*Requirements of entry:* Grade C or better in Economics 2

*Assessment:* Summative assessment comprises an in-course exam or coursework (30%) and an end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Aims:* We aim to develop in students an appreciation of the scope of economics and its relevance to a wide range of issues, including social, political and other issues of public concern; develop students' knowledge and understanding of economic concepts, approaches and analytical methods; equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics; relate the academic study of economics to problems of economic policy and issues of public con-

cern; create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; provide students with a knowledge and skill base from which they can proceed to further studies in economics and related areas or in multidisciplinary areas that involve economics.

*Honours Course Prescription:* Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications; Government and the Economy; Dissertation; and EIGHT from:

Smith's Intellectual System; Smith and Political Economy; Economics of Industry 1: Basic Theories of Market Structures; Economics of Industry 2: Advanced Topics; Growth, Finance and Trade in Less Developed Countries; Economics of Development Policy in Less Developed Countries; Environmental Economics; Natural Resource Economics; Financial Markets and Asset Pricing; Financial Markets and Corporate Finance; International Trade; International Finance; The Economics of Work and Pay; Research and Methods in Applied Labour Economics; Science and Economics; Contrasts in Economic Thought; Advanced Macroeconomics 1: Government Debt, Interest Rates and Economic Growth; Advanced Macroeconomics 2: Economic Fluctuations, Unemployment and Inflation; Welfare Economics 1: Individual Choice and Values; Welfare Economics 2: Social Choice and Policy; The International Economy and Development in Colonial Southeast Asia; Globalization and Development in Southeast Asia; Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strategy; The Economics of Housing Markets; The Economics of Housing Policy; Regional Economics and the Scottish Economy 1: Analysis; Regional Economics and the Scottish Economy 2: Policy.

Note that a student may take up to 60 credits from courses offered by another department (outside options), subject to the approval of the heads of departments involved.

Students will normally take Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications and four courses in 3H, and Government and the Economy; Dissertation and four courses in 4H.

*Course Co-ordinator:* Mr Terence Moody

## 2NRK ECONOMICS JH PRINCIPAL

*Credits:* 90

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 3H: Monday and Tuesday, 2.00 pm-4.00 pm. 4H: Monday and Tuesday at 3.00 pm. 3H/4H: other times depending on courses selected.

*Requirements of entry:* Grade C or better in Economics

2

*Assessment:* Summative assessment comprises an in-course exam or coursework (30%) and an end-of-course exam (70%).

*Degree Examination taken in:* April/May

*Aims:* We aim to develop in students an appreciation of the scope of economics and its relevance to a wide range of issues, including social, political and other issues of public concern; develop students' knowledge and understanding of economic concepts, approaches and analytical methods; equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics; relate the academic study of economics to problems of economic policy and issues of public concern; create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; provide students with a knowledge and skill base from which they can proceed to further studies in economics and related areas or in multidisciplinary areas that involve economics.

*Honours Course Prescription:* (This course is taken with a subsidiary language). Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications; Government and the Economy; Dissertation; and FOUR from: Smith's Intellectual System; Smith and Political Economy; Economics of Industry 1: Basic Theories of Market Structures; Economics of Industry 2: Advanced Topics; Growth, Finance and Trade in Less Developed Countries; Economics of Development Policy in Less Developed Countries; Environmental Economics; Natural Resource Economics; Financial Markets and Asset Pricing; Financial Markets and Corporate Finance; International Trade; International Finance; The Economics of Work and Pay; Research and Methods in Applied Labour Economics; Science and Economics; Contrasts in Economic Thought; Advanced Macroeconomics 1: Government Debt, Interest Rates and Economic Growth; Advanced Macroeconomics 2: Economic Fluctuations, Unemployment and Inflation; Welfare Economics 1: Individual Choice and Values; Welfare Economics 2: Social Choice and Policy; The International Economy and Development in Colonial Southeast Asia; Globalization and Development in Southeast Asia; Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strategy; The Economics of Housing Markets; The Economics of Housing Policy; Regional Economics and the Scottish Economy 1: Analysis; Regional Economics and the Scottish Economy 2: Policy. Students will normally take Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications and two courses in 3H, and Government and the Economy, Dissertation and two courses in 4H.

*Course Co-ordinator:* Mr Terence Moody

### **3BKF ECONOMICS WITH BUSINESS ECONOMICS 3H (COMBINED)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 3H: Wednesday, 2.00 pm-4.00 pm. 4H: Thursday, 2.00 pm-4.00 pm. 3H/4H: other times depending on courses selected.

*Requirements of entry:* Grade C or better in Economics 2.

*Assessment:* Summative assessment comprises an in-course exam or coursework (30%) and an end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Aims:* We aim to develop in students an appreciation of the scope of economics and its relevance to a wide range of issues, including social, political and other issues of public concern; develop students' knowledge and understanding of economic concepts, approaches and analytical methods; equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics; relate the academic study of economics to problems of economic policy and issues of public concern; create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; provide students with a knowledge and skill base from which they can proceed to further studies in economics and related areas or in multidisciplinary areas that involve economics.

*Honours Course Prescription:* Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strategy; Financial Markets and Asset Pricing; Financial Markets and Corporate Finance and FOUR from:

Smith's Intellectual System; Smith and Political Economy; Economics of Industry 1: Basic Theories of Market Structures; Economics of Industry 2: Advanced Topics; Growth, Finance and Trade in Less Developed Countries; Economics of Development Policy in Less Developed Countries; Environmental Economics; Natural Resource Economics; International Trade; International Finance; The Economics of Work and Pay; Research and Methods in Applied Labour Economics; Science and Economics; Contrasts in Economic Thought; Advanced Macroeconomics 1: Government Debt, Interest Rates and Economic Growth; Advanced Macroeconomics 2: Economic Fluctuations, Unemployment and Inflation; Welfare Economics 1: Individual Choice and Values; Welfare Economics 2: Social Choice and Policy; The International Economy and Development in Colonial Southeast Asia; Globalization and Development in Southeast Asia; The Economics of Housing Markets; The Economics of Housing Policy; Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications; Gov-

ernment and the Economy; Regional Economics and the Scottish Economy 1: Analysis; Regional Economics and the Scottish Economy 2: Policy; Dissertation.

Note: Accountancy cannot be combined with Business Economics. LLB students take only Economics of Business 1: Contracts and Governance and Economics of Business 2: Regulation and Business Strategy in 3H and Financial Markets and Asset Pricing; Financial Markets and Corporate Finance plus two courses in 4H (i.e. 90 credits in Economics).

Students will normally take Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strategy and two courses in 3H, and Financial Markets and Asset Pricing; Financial Markets and Corporate Finance and two courses in 4H.

*Course Co-ordinator:* Mr Terence Moody

### **6KCH ECONOMICS WITH BUSINESS ECONOMICS 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 3H: Monday, Tuesday and Wednesday, 2.00 pm-4.00 pm. 4H: Monday and Tuesday at 3.00 pm; and Thursday, 2.00 pm-4.00 pm. 3H/4H: other times depending on courses selected.

*Requirements of entry:* Grade C in Economics 2 or better.

*Assessment:* Summative assessment comprises an in-course exam or coursework (30%) and an end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Aims:* To develop in students an appreciation of the scope of economics and its relevance to a wide range of issues, including social, political and other issues of public concern; to develop students' knowledge and understanding of economic concepts, approaches and analytical methods with core emphasis on microeconomic and macroeconomic analysis, econometrics and the study of the modern corporation and the markets and environment in which it operates; to equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics; to relate the academic study of economics to problems of economic policy and issues of public concern; to create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; to develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; to provide students with a knowledge and skill base from which they can proceed to further studies in economics and related areas or in multidisciplinary areas that involve economics.

*Honours Course Prescription:* Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications; Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strat-



egy; Government and the Economy; Dissertation; Financial Markets and Asset Pricing; Financial Markets and Corporate Finance and FOUR from:

Smith's Intellectual System; Smith and Political Economy; Economics of Industry 1: Basic Theories of Market Structures; Economics of Industry 2: Advanced Topics; Growth, Finance and Trade in Less Developed Countries; Economics of Development Policy in Less Developed Countries; Environmental Economics; Natural Resource Economics; International Trade; International Finance; The Economics of Work and Pay; Research and Methods in Applied Labour Economics; Science and Economics; Contrasts in Economic Thought; Advanced Macroeconomics 1: Government Debt, Interest Rates and Economic Growth; Advanced Macroeconomics 2: Economic Fluctuations, Unemployment and Inflation; Welfare Economics 1: Individual Choice and Values; Welfare Economics 2: Social Choice and Policy; The International Economy and Development in Colonial Southeast Asia; Globalization and Development in Southeast Asia; The Economics of Housing Markets; The Economics of Housing Policy; Regional Economics and the Scottish Economy 1: Analysis; Regional Economics and the Scottish Economy 2: Policy.

Note that a student may take up to 60 credits from courses offered by another department (outside options), subject to the approval of the heads of departments involved.

Students will normally take Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications; Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strategy and two courses in 3H, and Government and the Economy, Dissertation; Financial Markets and Asset Pricing; Financial Markets and Corporate Finance and two courses in 4H.

*Course Co-ordinator:* Mr Terence Moody

## 2NRG ECONOMICS 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 3H: Monday, 2.00 pm-4.00 pm. 4H: Monday and Tuesday at 3.00 pm. 3H/4H: other times to be arranged, depending on courses selected.

*Requirements of entry:* Grade C or better in Economics 2

*Assessment:* Summative assessment comprises an in-course exam or coursework (30%) and an end-of-course exam (70%). Government and the Economy is assessed by completion of five briefing notes (50%) and an end-of-course exam (50%).

*Degree Examination taken in:* April/May

*Aims:* We aim to develop in students an appreciation of the scope of economics and its relevance to a wide range of issues, including social, political and other issues of public concern; develop students' knowledge and understanding of economic concepts, approaches and analytical methods; equip students to apply knowledge and skills to the solution of theoretical and applied problems

in economics; elate the academic study of economics to problems of economic policy and issues of public concern; create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; provide students with a knowledge and skill base from which they can proceed to further studies in economics and related areas or in multidisciplinary areas that involve economics.

*Honours Course Prescription:* Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Government and the Economy; and FOUR from:

Smith's Intellectual System; Smith and Political Economy; Economics of Industry 1: Basic Theories of Market Structures; Economics of Industry 2: Advanced Topics; Growth, Finance and Trade in Less Developed Countries; Economics of Development Policy in Less Developed Countries; Environmental Economics; Natural Resource Economics; Financial Markets and Asset Pricing; Financial Markets and Corporate Finance; International Trade; International Finance; The Economics of Work and Pay; Research and Methods in Applied Labour Economics; Science and Economics; Contrasts in Economic Thought; Advanced Macroeconomics 1: Government Debt, Interest Rates and Economic Growth; Advanced Macroeconomics 2: Economic Fluctuations, Unemployment and Inflation; Welfare Economics 1: Individual Choice and Values; Welfare Economics 2: Social Choice and Policy; The International Economy and Development in Colonial Southeast Asia; Globalization and Development in Southeast Asia; Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strategy; The Economics of Housing Markets; The Economics of Housing Policy; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications; Regional Economics and the Scottish Economy 1: Analysis; Regional Economics and the Scottish Economy 2: Policy; Dissertation.

Students will normally take Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth and two courses in 3H and Government and the Economy and two courses or a Dissertation in 4H.

BAcc and LLB students only take Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth in 3H and Government and the Economy plus two courses in 4H (i.e. a total of 90 credits in Economics). They may not take an Economics dissertation. BAcc students are not permitted to take Financial Markets and Asset Pricing; Financial Markets and Corporate Finance as options. A student may submit no more than one dissertation as part of an Honours degree.

*Course Co-ordinator:* Mr Terence Moody

## 2NRJ ECONOMICS 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 3H: Monday and Tuesday, 2.00 pm-4.00 pm.  
4H: Monday and Tuesday at 3.00 pm. 3H/4H: other times depending on courses selected

*Requirements of entry:* Grade C or better in Economics 2

*Assessment:* Summative assessment comprises an in-course exam or coursework (30%) and an end-of-course exam (70%). Government and the Economy is assessed by completion of five briefing notes (50%) and an end-of-course exam (50%).

*Degree Examination taken in:* April/May

*Aims:* We aim to develop in students an appreciation of the scope of economics and its relevance to a wide range of issues, including social, political and other issues of public concern; develop students' knowledge and understanding of economic concepts, approaches and analytical methods; equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics; relate the academic study of economics to problems of economic policy and issues of public concern; create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; provide students with a knowledge and skill base from which they can proceed to further studies in economics and related areas or in multi-disciplinary areas that involve economics.

*Honours Course Prescription:* Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications; Government and the Economy; Dissertation; and EIGHT from:

Smith's Intellectual System; Smith and Political Economy; Economics of Industry 1: Basic Theories of Market Structures; Economics of Industry 2: Advanced Topics; Growth, Finance and Trade in Less Developed Countries; Economics of Development Policy in Less Developed Countries; Environmental Economics; Natural Resource Economics; Financial Markets and Asset Pricing; Financial Markets and Corporate Finance; International Trade; International Finance; The Economics of Work and Pay; Research and Methods in Applied Labour Economics; Science and Economics; Contrasts in Economic Thought; Advanced Macroeconomics 1: Government Debt, Interest Rates and Economic Growth; Advanced Macroeconomics 2: Economic Fluctuations, Unemployment and Inflation; Welfare Economics 1: Individual Choice and Values; Welfare Economics 2: Social Choice and Policy; The International Economy and Development in Colonial Southeast Asia; Globalization and Development in Southeast Asia; Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strategy; The Economics of Housing Markets; The Economics of Housing Policy; Regional Economics and the Scottish Economy 1: Analysis; Regional Economics and the Scottish Economy 2: Policy.

Note that a student may take up to 60 credits from courses offered by another department (outside options), subject to the approval of the heads of departments involved.

Students will normally take Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications) and four courses in 3H and Government and the Economy, Dissertation and four courses in 4H.

*Course Co-ordinator:* Mr Terence Moody

## 2NRL ECONOMICS SH PRINCIPAL

*Credits:* 90

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 3H: Monday and Tuesday, 2.00 pm-4.00 pm  
4H: Monday and Tuesday at 3.00 pm 3H/4H: other times depending on courses selected

*Requirements of entry:* Grade C or better in Economics 2

*Assessment:* Summative assessment comprises an in-course exam or coursework (30%) and an end-of-course exam (70%). Government and the Economy is assessed by completion of five briefing notes (50%) and an end-of-course exam (50%).

*Degree Examination taken in:* April/May

*Aims:* We aim to develop in students an appreciation of the scope of economics and its relevance to a wide range of issues, including social, political and other issues of public concern; develop students' knowledge and understanding of economic concepts, approaches and analytical methods; equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics; relate the academic study of economics to problems of economic policy and issues of public concern; create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; provide students with a knowledge and skill base from which they can proceed to further studies in economics and related areas or in multi-disciplinary areas that involve economics.

*Honours Course Prescription:* (This course is taken with a subsidiary language). Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications; Government and the Economy; Dissertation; and FOUR from: Smith's Intellectual System; Smith and Political Economy; Economics of Industry 1: Basic Theories of Market Structures; Economics of Industry 2: Advanced Topics; Growth, Finance and Trade in Less Developed Countries; Economics of Development Policy in Less Developed Countries; Environmental Economics; Natural Resource Economics; Financial Markets and Asset Pricing; Financial Markets and Corporate Finance;

International Trade; International Finance; The Economics of Work and Pay; Research and Methods in Applied Labour Economics; Science and Economics; Contrasts in Economic Thought; Advanced Macroeconomics 1: Government Debt, Interest Rates and Economic Growth; Advanced Macroeconomics 2: Economic Fluctuations, Unemployment and Inflation; Welfare Economics 1: Individual Choice and Values; Welfare Economics 2: Social Choice and Policy; The International Economy and Development in Colonial Southeast Asia; Globalization and Development in Southeast Asia; Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strategy; The Economics of Housing Markets; The Economics of Housing Policy; Regional Economics and the Scottish Economy 1: Analysis; Regional Economics and the Scottish Economy 2: Policy.

Students will normally take Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications and two courses in 3H and Government and the Economy, Dissertation and two courses in 4H.

*Course Co-ordinator:* Mr Terence Moody

### **3BKG ECONOMICS WITH BUSINESS ECONOMICS 4H (COMBINED)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 3H: Wednesday, 2.00 pm-4.00 pm. 4H: Thursday, 2.00 pm-4.00 pm. 3H/4H: other times depending on courses selected.

*Requirements of entry:* Grade C or better in Economics 2.

*Assessment:* Summative assessment comprises an in-course exam or coursework (30%) and an end-of-course exam (70%)

*Degree Examination taken in:* April/May

*Aims:* We aim to develop in students an appreciation of the scope of economics and its relevance to a wide range of issues, including social, political and other issues of public concern; develop students' knowledge and understanding of economic concepts, approaches and analytical methods; equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics; relate the academic study of economics to problems of economic policy and issues of public concern; create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; provide students with a knowledge and skill base from which they can proceed to further studies in economics and related areas or in multidisciplinary areas that involve economics.

*Honours Course Prescription:* Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strategy; Financial Markets and Asset Pricing; Financial Markets and Corporate

Finance and FOUR from:

Smith's Intellectual System; Smith and Political Economy; Economics of Industry 1: Basic Theories of Market Structures; Economics of Industry 2: Advanced Topics; Growth, Finance and Trade in Less Developed Countries; Economics of Development Policy in Less Developed Countries; Environmental Economics; Natural Resource Economics; International Trade; International Finance; The Economics of Work and Pay; Research and Methods in Applied Labour Economics; Science and Economics; Contrasts in Economic Thought; Advanced Macroeconomics 1: Government Debt, Interest Rates and Economic Growth; Advanced Macroeconomics 2: Economic Fluctuations, Unemployment and Inflation; Welfare Economics 1: Individual Choice and Values; Welfare Economics 2: Social Choice and Policy; The International Economy and Development in Colonial Southeast Asia; Globalization and Development in Southeast Asia; The Economics of Housing Markets; The Economics of Housing Policy; Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications; Government and the Economy; Regional Economics and the Scottish Economy 1: Analysis; Regional Economics and the Scottish Economy 2: Policy; Dissertation.

Note: Accountancy cannot be combined with Business Economics. LLB students take only Economics of Business 1: Contracts and Governance and Economics of Business 2: Regulation and Business Strategy in 3H and Financial Markets and Asset Pricing; Financial Markets and Corporate Finance plus two courses in 4H (i.e. 90 credits in Economics).

Students will normally take Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strategy and two courses in 3H, and Financial Markets and Asset Pricing; Financial Markets and Corporate Finance and two courses in 4H.

*Course Co-ordinator:* Mr Terence Moody

### **6K CJ ECONOMICS WITH BUSINESS ECONOMICS 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 3H: Monday, Tuesday and Wednesday, 2.00 pm-4.00 pm. 4H: Monday and Tuesday at 3.00 pm and Thursday, 2.00 pm-4.00 pm. 3H/4H: other times depending on courses selected

*Requirements of entry:* Grade C in Economics 2 or better.

*Assessment:* Summative assessment comprises an in-course exam or coursework (30%) and an end-of-course exam (70%). Government and the Economy is assessed by completion of five briefing notes (50%) and an end-of-course exam (50%).

*Degree Examination taken in:* April/May

*Aims:* We aim to develop in students an appreciation of the scope of economics and its relevance to a wide range of issues, including social, political and other issues of

public concern; develop students' knowledge and understanding of economic concepts, approaches and analytical methods; equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics; relate the academic study of economics to problems of economic policy and issues of public concern; create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; provide students with a knowledge and skill base from which they can proceed to further studies in economics and related areas or in multi-disciplinary areas that involve economics.

*Honours Course Prescription:* Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications; Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strategy; Government and the Economy; Dissertation; Financial Markets and Asset Pricing; Financial Markets and Corporate Finance and FOUR from:

Smith's Intellectual System; Smith and Political Economy; Economics of Industry 1: Basic Theories of Market Structures; Economics of Industry 2: Advanced Topics; Growth, Finance and Trade in Less Developed Countries; Economics of Development Policy in Less Developed Countries; Environmental Economics; Natural Resource Economics; International Trade; International Finance; The Economics of Work and Pay; Research and Methods in Applied Labour Economics; Science and Economics; Contrasts in Economic Thought; Advanced Macroeconomics 1: Government Debt, Interest Rates and Economic Growth; Advanced Macroeconomics 2: Economic Fluctuations, Unemployment and Inflation; Welfare Economics 1: Individual Choice and Values; Welfare Economics 2: Social Choice and Policy; The International Economy and Development in Colonial Southeast Asia; Globalization and Development in Southeast Asia; The Economics of Housing Markets; The Economics of Housing Policy; Regional Economics and the Scottish Economy 1: Analysis; Regional Economics and the Scottish Economy 2: Policy.

Note that a student may take up to 60 credits from courses offered by another department (outside options), subject to the approval of the heads of departments involved.

Students will normally take Microeconomic Analysis: Games and Theory; Macroeconomics Analysis: Inflation, Unemployment and Growth; Econometrics 1: Basic Statistics and Simple Linear Regression; Econometrics 2: Multiple Regression and Applications; Economics of Business 1: Contracts and Governance; Economics of Business 2: Regulation and Business Strategy and two courses in 3H and Government and the Economy, Dissertation; Financial Markets and Asset Pricing; Financial Markets and Corporate Finance and two courses in 4H.

*Course Co-ordinator:* Mr Terence Moody

## Educational Studies

### LPZU CHILD DEVELOPMENT AND LEARNING PART 1

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* The course will require to dovetail with the other courses offered in Year 1 of the MA in Primary Education to be offered on the Crichton Campus.

*Co-requisites:* Level 1 Course at Crichton Campus

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The first unit is intended to provide students with a grounded understanding of the early development of children from pre-birth through birth to infancy. It will cover all aspects of development in these stages in a comprehensive, coherent and progressive way. This understanding will be of special value to those students who may wish to take up posts in early years in the primary school or in pre-5 establishments. The second unit of the course will provide important understandings of how cognition and learning develop in children over time. These understandings underpin much of what teachers do in primary education and the aim of the second unit is to provide a thorough grounding in cognitive developmental theory and to relate it to professional practice.

*Course Co-ordinator:* Dr Alastair McPhee

### 2WCU FUNDAMENTALS OF EDUCATION 1A

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures Monday and Tuesday, 11.00 am-12.00 noon weekly. Seminars Wednesday or Friday 11.00 am-12.00 noon weekly.

*Requirements of entry:* General interest in education.

*Assessment:* One 2 hour written examination (50%). One essay in January (30%). Seminar work (20%). Written examination resit.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* (1) Introduction to the academic study of education; (2) discusses social and political aspects of education; (3) provides knowledge of the schooling systems of Scotland and England and relevant educational policy.

*Course Co-ordinator:* Dr George Burns

### 2WDU FUNDAMENTALS OF EDUCATION 1B

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures Monday and Tuesday, 11.00 am-12.00 noon weekly. Seminars Wednesday or Friday 11.00 am-12.00 noon weekly.

*Requirements of entry:* Interest in education.

*Assessment:* One 2 hour written examination (50%). One essay in April (30%). Seminar work (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) Introduction to the academic study of education; (2) deals with the concepts of freedom, authority and punishment; (3) discusses the changing nature of equality in education.

*Course Co-ordinator:* Dr George Burns

## LSFU LITERACY 1

*Credits:* 10

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* - To link with the work undertaken in the course Text and Communication and to expand issues there into classroom contexts - To examine the four outcomes of Reading, Writing, Talking and Listening, together with issues such as context, correctness and appropriateness - To examine dialect and accent and diversity of language - To contextualise the above within the world of the primary classroom - To link closely with the world of school experience

*Course Co-ordinator:* Dr Alastair McPhee

## LSMU MATHEMATICS - THEORY AND PEDAGOGY 1

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* - Students are introduced to the knowledge, skills, competences and professional attitudes which are necessary for the effective teaching and learning of mathematics; - An enthusiasm and excitement within students for the teaching and learning of mathematics and an ability to communicate these effectively to pupils of all abilities and needs is promoted; - Recognition of the centrality of school experience and providing students with the fullest support for the successful development of their teaching and learning skills in mathematics; - Enabling students to meet the challenge of providing appropriate teaching and learning experiences for pupils of all abilities.

*Course Co-ordinator:* Dr Alastair McPhee

## LQHU THE CURRICULUM AND ASSESSMENT

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* The timing of this course will require to dovetail with the other elements of the Faculty course of the MA in Primary Education on the Crichton Campus.

*Co-requisites:* The course is part of the Year 3 of the MA in Primary Education.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* to sensitise students to important issues relating to the bases of the curriculum and how it is developed; to give them a thorough grounding in the Scottish primary curriculum; to understand the principles and practice of assessment, with special emphasis on the links between assessment and learning.

*Course Co-ordinator:* Dr Alastair McPhee

## LQFV CHILD DEVELOPMENT AND LEARNING PART 2

*Credits:* 20

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* The timetable for this course will require to dovetail with the other courses being undertaken as part of the MA in Primary Education on the Crichton Campus.

*Co-requisites:* Level 2 Liberal Arts course on the Crichton Campus

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course is in two units. The aims of the first unit are to give the student a guide to the physical development of children including developmental tasks and challenges through the early and primary school years. This unit is also intended to link the importance of development to considerations of health, welfare and learning. The aims of the second unit are to sensitise students to important issues relating to the social child. The unit will provide an important contextualization of child development and relate it to the wider social contexts in which development takes place.

*Course Co-ordinator:* Dr Alastair McPhee

## 8JJV LEARNING SOCIETY: ISSUES IN MODERN EDUCATION 2

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures Monday, Tuesday and Wednesday 2.00 pm -3.00 pm weekly. Seminars Thursday 2.00 pm - 3.00 pm weekly.

*Requirements of entry:* Grade D or better in one or both level 1 Education courses (Fundamentals of Education A or B). Sociology 1 or Social Policy 1.

*Assessment:* One written examination (50%); one essay (Dec, Jan) (30%); Seminar work (20%). Written examination resit.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* (1) To investigate twentieth century educational thought; (2) to discuss multicultural approaches to learning; (3) to assess recent changes in education policy and practice. Also see 7EYV under Adult and Continuing Education.

*Course Co-ordinator:* Dr George Burns

### 9MGW DEVELOPING EDUCATIONAL PROVISION IN EUROPE

*Credits:* 30 *Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Timetable is to be arranged

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course will: Develop understanding and insight into how theory of education has informed educational systems; Help students to make knowledge connections between educational theories and educational practices in history; Develop students qualitative research skills.

*Course Co-ordinator:* Mr John Dakers

### LQJW EDUCATION IN ITS WIDER CONTEXTS

*Credits:* 20 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* The timetable for this course will need to dovetail with those of the other courses on the Dumfries Campus composing the Faculty element of the MA in Primary Education.

*Co-requisites:* Course is part of the education studies element of Year 3 of the MA in Primary Education

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* to provide an important contextualization for the learner, the teacher and the school; to raise awareness of issues such as race, ethnicity and gender within an equal opportunities framework; to provide understanding of relationships between schools, communities and achievement.

*Course Co-ordinator:* Dr Alastair McPhee

### 9MDW SUPPORTING AND UNDERSTANDING LEARNERS AND LEARNING

*Credits:* 30 *Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Times and days to be arranged. Two lectures per week (1 hour duration): twelve lectures per unit. Two units per course. One seminar per week, beginning week 3 of course: 8 seminars total

*Co-requisites:* Students should have successfully completed level 2 courses The learning society: issues in modern education and The learning society: adult and continuing education; or successfully completed level 2 courses in a social science subject.

*Assessment:* 1 class essay on a topic derived from the student's own research and reading and from the presented work of the class. This essay will be of 3000 words length and will be submitted in Semester 1; 1 formal end of course examination which will take place at the end of the semester in January in common with the assessment practice of the University. This examination will be of 3 hours duration and will test attainment of

the learning outcomes of the course. All assessment of the Level 3 courses will be in accordance with the Code of Assessment of the University of Glasgow.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course will: Build upon understandings gained in Education 1 and 2 and cognate courses, by affording students deeper understanding and insight into how education works, both within the systems of the UK and beyond them; Develop student study skills, in particular accessing and using educational research; Develop understanding and skills in ICT and interactive work; Develop student discursive and interpretative skills through appropriate interactive and assessment activities; Provide students with a progression in the study of Education towards honours level within the University of Glasgow.

*Course Co-ordinator:* Mr John Dakers

### LQKW TEACHERS AND TEACHING

*Credits:* 20 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* It will be necessary for the timetable for this course to dovetail with other courses at the Crichton Campus constituting Year 3 of the MA in Primary Education

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* to establish in the student a sense of being a learner as well as a teacher; to make use of and draw upon the academic learning and the life experiences which individuals have had; to provide a grounding for professional practice in the classroom; to look forward to the professional development agenda.

*Course Co-ordinator:* Dr Alastair McPhee

## Electronics & Electrical Engineering

### 7LPU ELECTRONIC ENGINEERING 1X

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Assessment:* 30% Continuous Assessment - Class tests and laboratories. 70% Degree examination - 2 hours, no choice of questions

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* Digital Electronics aims to introduce basic concepts of digital electronics. Analogue Electrics aims to introduce the basic concepts of analogue electronic circuits and to apply these concepts to d.c. and a.c. circuits. Laboratory aims to give practical experience of designing and measuring analog and digital circuits. To illustrate lecture material with practical examples. To develop report writing skills.

*Course Co-ordinator:* Dr John Williamson

**7LRU ELECTRONIC ENGINEERING 1Y***Credits:* 20 *Level:* 1*When Taught:* Semester 2 (January - March)*Requirements of entry:* Electronic Engineering 1X*Assessment:* 30% Continuous assessment - Class tests and laboratories. 70% Degree examination - 2 hours, no choice of questions.*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September*Aims:* Digital Electronics aims to introduce basic concepts of synchronous and asynchronous digital electronics. Analogue Electronics aims to apply the basic concepts of analogue electronics to practical circuits such as RC filters and amplifiers, both Op amp and transistor. Laboratory aims to give practical experience of designing and measuring analog and digital circuits. To illustrate lecture material with practical examples. To develop report writing skills.*Course Co-ordinator:* Prof John Davies**7MEV ANALOGUE ELECTRONICS 2***Credits:* 10 *Level:* 2*When Taught:* Semester 2 (January - March)*Requirements of entry:* Electronic Engineering 1X and 1Y. Engineering Mathematics EE1X and EE1Y or equivalent.*Assessment:* 85% 2 hour exam and 15% lab record.*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September*Aims:* 1. Analogue Signal Processing - To introduce the use of simple analogue building block in terms of terminal and transfer properties, to be able to calculate those properties for simple circuits based on operational amplifiers and bipolar transistors, and to combine these elements to match input and output transducers. 2. Laboratory - To reinforce theoretical material taught in lectures.*Course Co-ordinator:* Dr John Williamson**7MAV COMPUTER ARCHITECTURE 2***Credits:* 10 *Level:* 2*When Taught:* Semester 1 (September - December)*Requirements of entry:* Electronic Engineering 1X and 1Y*Excluded Courses:* Computer Systems 2*Assessment:* 100% Degree Examination - 2 hour paper;*Degree Examination taken in:* December*Resit Examination taken in:* August/September*Aims:* 1. Computer Architecture aims to provide an introduction to computer processor and memory architectures, and to the design of personal computer systems. 2. Laboratory aims to provide practical experience of basic microprocessor architecture using simulations of digital systems from a parallel adder/subtractor to a simple digital computer.*Course Co-ordinator:* Dr Martin MacAuley**7LTV DIGITAL ELECTRONICS 2***Credits:* 10 *Level:* 2*When Taught:* Semester 1 (September - December)*Requirements of entry:* Electronics and Electrical Engineering 1X and 1Y*Assessment:* 90% Degree Examination; 10% Course Work*Degree Examination taken in:* December*Resit Examination taken in:* August/September*Aims:* To analyse and design simple combinational and sequential digital logic systems.*Course Co-ordinator:* Dr David Muir**0FWV ELECTRICAL CIRCUITS 2***Credits:* 10 *Level:* 2*When Taught:* Semester 1 (September - December)*Timetable:* 2 lectures weekly. 3 labs during the semester.*Requirements of entry:* Electronic Engineering 1X and 1Y; Engineering Mathematics EE1X and EE1Y or equivalent*Assessment:* 15% Course work, Laboratory and laboratory record book. 85% Degree examination - 2 hour paper with two sections. Section A is compulsory, 3 questions to be selected from Section B*Degree Examination taken in:* December*Resit Examination taken in:* August/September*Aims:* To provide a basic understanding of the behaviour of electrical circuits containing inductance, capacitance and resistance when transient DC and AC signals are applied to them. To establish the relationship between the forced transient solution and the impedance representation. Laboratory: To reinforce material taught in lectures, and to illustrate measurement and analysis techniques.*Course Co-ordinator:* Prof Iain Thayne**5MCV ELECTRONIC DESIGN PROJECT 2***Credits:* 10 *Level:* 2*When Taught:* Full Session (September - March)*Timetable:* To be advised*Requirements of entry:* Grade D in Electronics and Electrical Engineering 1 and average of grade D in courses from Mathematics 1R, 1S, 1T, 1X, 1Y.*Co-requisites:* Analog Electronics 2, Digital Electronics 2*Assessment:* 50% assignments (project log book and report, component selection report); 50% class tests (2).*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September*Aims:* To introduce students to the design and realisation of electronics systems to solve engineering problems, good engineering design practice, tools and materials relevant to electronics and electrical engineering.

To provide initial training in the practical skills required by professional engineers.

*Course Co-ordinator:* Dr Fernando Rodriguez-Salazar

### 3KFV ELECTRONIC DEVICES 2

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* First term.

*Requirements of entry:* Engineering Physics EEI or equivalent

*Assessment:* 90% Degree Examination; 10% lab

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide an understanding of how electronic devices work, from the atomic level upwards; to show the origins of the important physical laws which govern device operation and give an introduction to the technology of semiconductor devices. To show how semiconductor physics can be used to predict the operation of common devices and to calculate the parameters needed for analysing circuits.

*Course Co-ordinator:* Prof Charles Ironside

### 7MBV EMBEDDED PROCESSORS 2

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Requirements of entry:* Introductory Programming 1 or Introductory Programming EE1, Electronic and Electrical Engineering 1X and 1Y

*Co-requisites:* Computer Architecture 2 or Computing Systems 2

*Assessment:* 80% Degree Examination - 2 hour paper; choice of 4 questions from 6. 10% Laboratory and 10% Assignment

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* 1. Assembly Language, Processor Application aims to provide an introduction to embedded processor systems and applications. To explain the operating principles and provide a functional understanding of assembly language, high level language (C), and interfacing or peripherals in an embedded processor system. 2. Laboratory aims to provide practical experience of programming a real microprocessor (the Motorola 6805) and of interfacing simple peripherals by writing small assembly and high level language programs.

*Course Co-ordinator:* Mr Fernando Rodriguez

### 3KJV ENGINEERING ELECTROMAGNETICS 2

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* To be advised

*Requirements of entry:* Grade D in Physics 1X and 1Y and average of grade D in courses from Mathematics 1R, 1S, 1T, 1X, 1Y

*Assessment:* 20 % Laboratory work and tutorials. Average mark of two laboratory reports and selected tutorials questions. 80% Degree Examination 2 hours.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To understand the basics of engineering electromagnetics, and its application to real problems. Computer aided modelling of field and flux patterns in real engineering components. Understanding and uses of different magnetic materials.

*Course Co-ordinator:* Prof David Hutchings

### 4A1H ELECTRONICS AND SOFTWARE ENGINEERING 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Varies

*Requirements of entry:* To enter Honours in Electrical and Software Engineering a student must: have a grade-point average of at least 12 (i.e. C) at the first attempt over all the pre-requisite Level 2 Computing Science courses; passed (grade D) every Electrical Engineering course that is a prerequisite for ESE3H.

*Assessment:* Each Computing Science course is assessed by examination and coursework as detailed in course descriptions.

*Degree Examination taken in:* April/May

*Aims:* The academic aim of the Electronic and Software Engineering (ESE) degree course is to provide students with a deep understanding of both hardware and software, and the skills to work with teams to design and build complete computerised systems. Students also choose selected topics to study in considerable depth; this means that the best Honours graduates are also equipped to enter research programmes. The professional aim is to provide the electronic engineering and software engineering education necessary to design computer systems that are embedded within larger engineering systems (e.g. flight control systems, industrial plant control systems). Graduates will need a broad knowledge of software and hardware, deep knowledge of selected topics, and extensive practical experience. The technology is changing so rapidly that knowledge of specific systems rapidly becomes obsolete. So, although the degree is regularly updated, the aim is to emphasise unchanging principles and to encourage independent study habits that will stand graduates in good stead throughout their professional careers. The degree also aims to give graduates experience of electronic and software engineering in an industrial context, to this end and integral part of the degree is an industrial placement between the third and fourth years.

*Honours Course Prescription:* Level 3: Team Project ESE3, Advanced Programming 3, Operating Systems 3, Professional Software Development 3 Networked Systems Architecture 3 plus courses required by the Department of Electronics and Electrical Engineering and summer placement. For fuller details see our website <http://www.dcs.glasgow.ac.uk/courses/teaching/general/>

*Course Co-ordinator:* Prof Raymond Welland



**4A1J ELECTRONICS AND SOFTWARE ENGINEERING 4H (SINGLE)***Credits:* 120*Level:* 4*When Taught:* Full Session (September - March)*Timetable:* Varies

*Requirements of entry:* A grade point average of at least 10 (i.e. D) over all CS courses plus a grade point average of at least 10 (i.e. D) over all E&EE courses, plus a grade of at least C in the ESE3H team project.

*Assessment:* Each Computing Science course is assessed by examination and coursework as detailed in course descriptions.

*Degree Examination taken in:* April/May*Aims:* See ESE3H.

*Honours Course Prescription:* For details of available courses see our website <http://www.dcs.glasgow.ac.uk/courses/teaching/general/>.

*Course Co-ordinator:* Prof Raymond Welland**English Language****3YTU ENGLISH LANGUAGE 1A***Credits:* 20*Level:* 1*When Taught:* Semester 1 (September - December)*Timetable:* Monday, Tuesday, Thursday - 3.00 pm; weekly tutorials*Excluded Courses:* English Language 1A/1B

*Assessment:* One two hour paper (80%); class assignment 20%.

*Degree Examination taken in:* December*Resit Examination taken in:* August/September

*Aims:* To provide: (1) an understanding of how language works, with particular reference to the contexts and structures of English; (2) skill in the use of basic tools describing and discussing language; (3) knowledge of the structure and development of English sounds, words and grammar; (4) knowledge of the history of the English language in its literary and social contexts; (5) an awareness of the effects of linguistic phenomena on different kinds of communication.

*Course Co-ordinator:* Dr Rachel Smith**5NHU ENGLISH LANGUAGE 1A AND 1B***Credits:* 40*Level:* 1*When Taught:* Full Session (September - March)*Timetable:* Monday, Tuesday, Thursday - 3.00 pm; weekly tutorials.*Requirements of entry:* As in present 1A and 1B*Excluded Courses:* English Language 1A, English Language 1B

*Assessment:* Exercise (November) 10%; Class Test (Semester 1, Jan/Feb) 30%; Exercise (Semester 1, Feb/March) 10%; Degree examination (May/June) 50%.

*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* To provide: (1) an understanding of how language works, with particular reference to the contexts and structures of English; (2) skill in the use of basic tools describing and discussing language; (3) knowledge of the structure and development of English sounds, words and grammar; (4) knowledge of the history of the English language in its literary and social contexts; (5) an awareness of the effects of linguistic phenomena on different kinds of communication.

*Course Co-ordinator:* Dr Rachel Smith**3YWU ENGLISH LANGUAGE 1B***Credits:* 20*Level:* 1*When Taught:* Semester 2 (January - March)*Timetable:* Monday, Tuesday, Thursday - 3.00 pm; weekly tutorials.*Co-requisites:* English Language course 1A as a co-requisite*Excluded Courses:* English Language 1A/1B

*Assessment:* One two hour paper (80%); class exercise (20%)

*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* To provide (1) an understanding of how language works, with particular reference to the contexts and structures of English; (2) skill in the use of basic tools describing and discussing language; (3) knowledge of the structure and development of English sounds words and grammar; (4) knowledge of the history of the English language in its literary and social contexts; (5) an awareness of the effects of linguistic phenomena on different kinds of communication.

*Course Co-ordinator:* Dr Rachel Smith**7FPV ENGLISH LANGUAGE LEVEL 2***Credits:* 40*Level:* 2*When Taught:* Full Session (September - March)*Timetable:* Monday, Tuesday, Thursday at 2.00 pm; weekly tutorials.*Requirements of entry:* Level 1 English Language*Assessment:* Continuous Assessment; Degree Examination*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* To give students an overview of key issues and topics in modern and historical English Language, within an integrated framework.

*Course Co-ordinator:* Dr Kathryn Lowe**3YTF ENGLISH LANGUAGE 3H (JOINT)***Credits:* 60*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* Class hour 12.00 noon for 3H, 10.00 am for 4H; other times to be arranged.

*Requirements of entry:* Usually at least a GPA of 26 in English Language 2

*Assessment:* Two papers taken in 3H year (75%); essay/seminar work (25%), optional dissertation in place of one paper, optional submission of set of essays for one of certain papers.

*Degree Examination taken in:* April/May

*Aims:* The English Language papers in this course enable students to explore a selection of topics in Medieval Language and Literature, the History of English and Scots, and Modern English Language in greater depth, and to relate these topics to each other, and, where relevant, to topics studied in another subject. Papers can be chosen in a wide range of combinations, though in some cases a Senior Honours paper may require previous study of a Junior Honours paper.

*Honours Course Prescription:* Four papers taken from: Culture and English Language Teaching; Grammars of English; History of English I; History of English II; History of Scots; Medieval English Literature I; Literary and Linguistic Computing for English; Reading the Past; From Script to Print; Medieval Latin; Medieval English Literature II; Old English Literature; Old French Literature; Old Icelandic; Onomastics: the History and Function of Names; Phonetics and Phonology I - Articulation and Accent; Phonetics and Phonology II - Experimental Phonetics and Phonological Theories; Pragmatics and Spoken Discourse; Semantics of English; Sociolinguistics; History of the Scottish Book; Written Text and Narrative.

*Course Co-ordinator:* Dr Alison Wiggins

### **3YTH ENGLISH LANGUAGE 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Class hour 12 noon for 3H, 10.00 am for 4H; other times to be arranged.

*Requirements of entry:* Usually at least a GPA of 26 in English Language 2 and at least a grade point average of 10 in English Literature Level 1 (2 courses) or English Literature 1, none of these courses falling below grade D. Exceptionally, students may be admitted who have achieved the required points in English Literature and 32 grade points in English Language 1A and 1B, or English Language 1.

*Assessment:* Four papers taken in 3H year and four papers taken in 4H year (75%); essay/seminar work (25%), dissertation in place of one paper, optional submission of set of essays for one of certain papers.

*Degree Examination taken in:* April/May

*Aims:* The English Language papers in this course enable students to explore a selection of topics in Medieval Language and Literature, the History of English and Scots, and Modern English Language in greater depth, and to relate these topics to each other, and, where relevant, to topics studied in another subject. Papers can be chosen in a wide range of combinations, though in some cases a Senior Honours paper may require previous study of a Junior Honours paper.

*Honours Course Prescription:* Eight courses taken from: Culture and English Language Teaching; Grammars of English; History of English I; History of English II; History of Scots; Medieval English Literature I; Literary and Linguistic Computing for English; Reading the Past: From Script to Print; Medieval Latin; Medieval English Literature II; Old English Literature; Old French Literature; Old Icelandic; Onomastics: the History and Function of Names; Phonetics and Phonology I - Articulation and Accent; Phonetics and Phonology II - Experimental Phonetics and Phonological Theories; Pragmatics and Spoken Discourse; Semantics of English; Sociolinguistics; History of the Scottish Book; Written Text and Narrative.

*Course Co-ordinator:* Dr Alison Wiggins

### **3YTG ENGLISH LANGUAGE 4H (JOINT)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Class hour 12.00 noon for 3H, 10.00 am for 4H; other times to be arranged.

*Requirements of entry:* Usually at least a GPA of 26 in English Language 2

*Assessment:* Four papers taken in 4H year (75%); essay/seminar work (25%), optional dissertation/extended essay in place of one paper, submission of set of essays for certain papers.

*Degree Examination taken in:* April/May

*Aims:* The English Language papers in this course enable students to explore a selection of topics in Medieval Language and Literature, the History of English and Scots, and Modern English Language in greater depth, and to relate these topics to each other, and, where relevant, to topics studied in another subject. Papers can be chosen in a wide range of combinations, though in some cases a Senior Honours paper may require previous study of a Junior Honours paper.

*Honours Course Prescription:* Four papers taken from: Culture and English Language Teaching; Germanic Philology; Grammars of English; History of English I; History of English II; History of Scots; Later Medieval English Literature; Literary and Linguistic Computing for English; Medieval English Manuscripts in Context; Medieval Latin; Early Middle English Literature; Old English Literature; Old French Literature; Old Icelandic; Onomastics: the History and Function of Names; Phonetics and Phonology I - Articulation and Accent; Phonetics and Phonology II - Experimental Phonetics and Phonological Theories; Pragmatics and Spoken Discourse; Semantics of English; Sociolinguistics; Stylistics of Scottish Literature; Written Text and Narrative.

*Course Co-ordinator:* Dr Alison Wiggins

### **3YTJ ENGLISH LANGUAGE 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Class hour 12 noon for 3H, 10.00 am for 4H; other times to be arranged.

*Requirements of entry:* Usually at least a GPA of 26 in English Language 2 and at least a grade point average of 10 in English Literature Level 1 (2 modules) or English Literature 1, none of these courses falling below grade D. Exceptionally, students may be admitted who have achieved the required points in English Literature and 32 grade points in English Language 1A and 1B, or English Language 1.

*Assessment:* Eight papers taken in 4H year (75%); essay/seminar work (25%), optional dissertation/extended essay in place of one paper, submission of set of essays for certain papers.

*Degree Examination taken in:* April/May

*Aims:* The English Language papers in this course enable students to explore a selection of topics in Medieval Language and Literature, the History of English and Scots, and Modern English Language in greater depth, and to relate these topics to each other, and, where relevant, to topics studied in another subject. Papers can be chosen in a wide range of combinations, though in some cases a Senior Honours paper may require previous study of a Junior Honours paper.

*Honours Course Prescription:* Eight courses taken from: Culture and English Language Teaching; Germanic Philology; Grammars of English; History of English I; History of English II; History of Scots; Later Medieval English Literature; Literary and Linguistic Computing for English; Medieval English Manuscripts in Context; Medieval Latin; Old and Early Middle English Literature; Old English Literature; Old French Literature; Old Icelandic; Onomastics: the History and Function of Names; Phonetics and Phonology I - Articulation and Accent; Phonetics and Phonology II - Experimental Phonetics and Phonological Theories; Pragmatics and Spoken Discourse; Semantics of English; Sociolinguistics; Stylistics of Scottish Literature; Written Text and Narrative.

*Course Co-ordinator:* Dr Alison Wiggins

## English Literature

### 6YAU ENGLISH LITERATURE 1A: INTRODUCTION TO LITERARY STUDY

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Group 1: Monday to Friday - 11.00 am; seminars. Group 2: Monday to Friday - 12.00 noon; seminars.

*Assessment:* Tutorial attendance (10%); One essay (1500-2000 words) (30%) and one examination (2 hours) (60%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The overall aim of the course is to: (1) introduce students to a range of texts of different genres and historical periods; (2) develop their capacity for sensitive and detailed reading of texts; (3) develop their capacity in writing, and in group discussion, for the critical anal-

ysis of texts and the constructing of viable arguments about texts and the issues which arise from them.

*Course Co-ordinator:* Mr David Newell

### 4EDU ENGLISH LITERATURE 1B: WRITING AND SELF

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Group 1: Monday to Friday - 11.00 am; seminars. Group 2: Monday to Friday - 12.00 noon; seminars.

*Co-requisites:* Regular attendance and submission of work for English Literature 1A

*Assessment:* Tutorial attendance (10%); One essay (1500-2000 words) (30%) and one examination (2 hours) (60%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) to encourage close and attentive reading; (2) to develop literate writing skills; (3) to develop a capacity for informed and cogent argument; (4) to foster discussion and debate.

*Course Co-ordinator:* Dr Bryony Randall

### 7EXV ENGLISH LITERATURE 2A:WRITING & IDEOLOGY

*Credits:* 20 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Group 1: Monday to Friday - 10.00 am; seminars. Group 2: Monday to Friday - 11.00 am; seminars.

*Requirements of entry:* Grade D in English Literature 1A and 1B.

*Assessment:* Tutorial performance (10%); one essay (2000-3000 words) (30%); one examination (2 hours) (60%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To enable students: (1) to further and reinforce their capacity for detailed, informed and critical reading of texts; (2) to further and reinforce their capacity in writing and in group discussion, for the critical analysis of texts and the construction of viable arguments about texts and the issues which arise from them; (3) to develop their awareness of the ways in which aspects of texts may generate or be generated by ideology; (4) to alert them to the broader cultural significance of literary production.

*Course Co-ordinator:* Mr Donald MacKenzie

### 7EWV ENGLISH LITERATURE 2B WRITING & TEXT

*Credits:* 20 *Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Group 1: Monday to Friday - 10.00 am; seminars. Group 2: Monday to Friday - 11.00 am; seminars.

*Requirements of entry:* Grade D in English Literature 1A and 1B

*Co-requisites:* Regular attendance at tutorials and submission of class work for English Literature 2A

*Excluded Courses:* None

*Assessment:* Tutorial performance (10%); one essay (2000-3000 words) (30%); one examination (2 hours) (60%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) to build upon the knowledge of texts already acquired in earlier courses; (2) to build upon the various critical and analytical skills already acquired in earlier courses; (3) specifically to move from 1 and 2 to an awareness of the complex relationships that texts have with each other both formally and ideologically; (4) to develop some sense of how writing affects other cultural phenomena and is affected by them; (5) to demonstrate that the relationships suggested in 3 and 4 are subject to the pressures of time and place. Subject-specific skills: students should be able to: (1) analyse a text in an awareness of how its literary features relate to the writing practices of other texts; (2) give an account of the thematic content of a text with reference to how that content is presented; (3) compare the relationship between themes and textual strategies of texts on the course.

*Course Co-ordinator:* Dr Andrew Radford

### **3YYF ENGLISH LITERATURE 3H (JOINT)**

*Credits:* 60 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday to Friday - 10.00 am for 3H, 12.00 noon for 4H; seminars.

*Requirements of entry:* Requirements of entry: at least Grade D in each of the two Level 1 English Literature courses. In Level 2 English Literature we normally ask for at least Grade B in one course and at least Grade C in the other course.

*Assessment:* Four courses assessed in 4H year (75%); essay/seminar work (25%); optional dissertation in place of any one course.

*Degree Examination taken in:* April/May

*Aims:* The aims of the different historical period papers are to enable students: (1) to increase literary knowledge and awareness of a period in a general sense; (2) to understand aspects of the general context within which works of literature in a period are produced; (3) to increase and deepen knowledge and understanding of (selected) authors, texts and genres; (4) to achieve an awareness of the history and processes of writing in English; (5) to use this awareness to construct and develop individually selected areas of specialised enquiry.

*Honours Course Prescription:* Students are assessed in four courses, of which two must be from the period before 1900. Courses chosen from: Shakespeare, Literary Theory, Literature 1360-1540, Literature 1510-1660 (Renaissance and early seventeenth-century), Literature 1640-1785 (Restoration and Augustan), Literature

1780-1840 (Romantic), Literature 1830-1914 (Victorian), Literature since 1900 (Modern), American Literature I (nineteenth-century), American Literature II (twentieth-century), Literary and Linguistic Computing for English, Irish Literature 1880s to present-day. Students may also choose in 3H one course from a list of Topic Modules which will be taught and assessed in 4H.

*Course Co-ordinator:* Dr Stuart Gillespie

### **3YYH ENGLISH LITERATURE 3H (SINGLE)**

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday to Friday - 10.00 am for 3H, 12 noon for 4H; seminars.

*Requirements of entry:* Requirements of entry: at least Grade D in each of the two Level 1 English Literature courses. In Level 2 English Literature we normally ask for at least Grade B in one course and at least Grade C in the other course; and at least Grade D in English Language Level 1.

*Assessment:* Eight courses assessed in 4H year (75%); essay/seminar work (25%); dissertation in place of one course.

*Degree Examination taken in:* April/May

*Aims:* The aims of the different historical period Papers are to enable students: (1) to increase students' literary knowledge and awareness of a period in a general sense; (2) to understand aspects of the general context within which works of literature in a period are produced; (3) to increase and deepen knowledge and understanding of (selected) authors, texts, and genres; (4) to achieve an awareness of the history and processes of writing in English; (5) to use this awareness to construct and develop individually selected areas of specialised enquiry.

*Honours Course Prescription:* Students are assessed in eight courses (although they may also submit an original composition), of which four must be from the period before 1900. Courses chosen from: Shakespeare, Literary Theory, Literature 1360-1540, Literature 1510-1660 (Renaissance and early seventeenth-century), Literature 1640-1785 (Restoration and Augustan), Literature 1780-1840 (Romantic), Literature 1830-1914 (Victorian), Literature since 1900 (Modern), American Literature I (nineteenth-century), American Literature II (twentieth-century), Literary and Linguistic Computing for English, Irish Literature 1880s to present-day. Students may also choose in 3H up to two courses from a list of Topic Modules which will be taught and assessed in 4H.

*Course Co-ordinator:* Dr Stuart Gillespie

### **3YYG ENGLISH LITERATURE 4H (JOINT)**

*Credits:* 60 *Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday to Friday - 10.00 am for 3H, 12.00 noon for 4H; seminars.

*Requirements of entry:* Requirements of entry: at least Grade D in each of the two Level 1 English Literature courses. In Level 2 English Literature we normally ask for at least Grade B in one course and at least Grade C in the other course.

*Assessment:* Four courses assessed in 4H year (75%); essay/seminar work (25%); optional dissertation in place of any one course.

*Degree Examination taken in:* April/May

*Aims:* The aims of the different historical period papers are to enable students: (1) to increase literary knowledge and awareness of a period in a general sense; (2) to understand aspects of the general context within which works of literature in a period are produced; (3) to increase and deepen knowledge and understanding of (selected) authors, texts and genres; (4) to achieve an awareness of the history and processes of writing in English; (5) to use this awareness to construct and develop individually selected areas of specialised enquiry.

*Honours Course Prescription:* Students are assessed in four courses, of which two must be from the period before 1900. Courses chosen from: Shakespeare, Literary Theory, Literature 1360-1540, Literature 1510-1660 (Renaissance and early seventeenth-century), Literature 1640-1785 (Restoration and Augustan), Literature 1780-1840 (Romantic), Literature 1830-1914 (Victorian), Literature since 1900 (Modern), American Literature I (nineteenth-century), American Literature II (twentieth-century), Literary and Linguistic Computing for English, Irish Literature 1880s to present-day. Students may also choose in 3H one course from a list of Topic Courses which will be taught and assessed in 4H.

*Course Co-ordinator:* Dr Catherine McLoughlin

### **3YYJ ENGLISH LITERATURE 4H (SINGLE)**

*Credits:* 120 *Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday to Friday - 10.00 am for 3H, 12 noon for 4H; seminars.

*Requirements of entry:* Requirements of entry: at least Grade D in each of the two Level 1 English Literature courses. In Level 2 English Literature we normally ask for at least Grade B in one course and at least Grade C in the other course; and at least Grade D in English Language Level 1.

*Assessment:* Eight courses assessed in 4H year (75%); essay/seminar work (25%); dissertation in place of one course.

*Degree Examination taken in:* April/May

*Aims:* The aims of the different historical period Papers are to enable students: (1) to increase students' literary knowledge and awareness of a period in a general sense; (2) to understand aspects of the general context within which works of literature in a period are produced; (3) to increase and deepen knowledge and understanding of (selected) authors, texts, and genres; (4) to achieve an awareness of the history and processes of writing in English; (5) to use this awareness to construct and develop individually selected areas of specialised enquiry.

*Honours Course Prescription:* Students are assessed in eight courses (although they may submit an original composition), of which four must be from the period before 1900. Courses chosen from: Shakespeare, Literary Theory, Literature 1360-1540, Literature 1510-1660 (Renaissance and early seventeenth-century), Literature 1640-1785 (Restoration and Augustan), Literature 1780-1840 (Romantic), Literature 1830-1914 (Victorian), Literature since 1900 (Modern), American Literature I (nineteenth-century), American Literature II (twentieth-century), Literary and Linguistic Computing for English, Irish Literature 1880s to present-day. Students may also choose in 3H up to two courses from a list of Topic Courses which will be taught and assessed in 4H.

*Course Co-ordinator:* Dr Catherine McLoughlin

## **French**

Please see the entries for the School of Modern Languages & Cultures, page 175.

## **Geographical and Earth Sciences**

### **4WGU EARTH SCIENCE 1X: INTRODUCTION TO THE EARTH**

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesday, Thursday, Friday - 9.00 am or 11.00 am; weekly laboratory; one day of fieldwork.

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* One ninety minute examination at the end of the teaching period (50%). Class test on laboratory work, one essay and other and coursework (50%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To provide a comprehensive introduction to the Geology of the Earth and other planets, for students who will normally have no prior knowledge of the subject, and in particular to: (1) synthesize a wide range of information on the composition and structure and of the Earth and use it to understand past and present-day changes in the Earth system; (2) develop skills in description and interpretation of minerals and igneous, sedimentary and metamorphic rocks in hand specimen, thin section and in the field; (3) develop problem-solving capabilities in theoretical, practical and field situations.

*Course Co-ordinator:* Dr Martin Lee

### **4WHU EARTH SCIENCE 1Y: EVOLUTION OF THE EARTH**

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Tuesday, Thursday, Friday - 9.00 am or 11.00 am; weekly laboratory.

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* One 90 min examination at the end of the teaching period (50%). Class test on laboratory work, one essay and other and coursework (50%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a basic introduction to Earth history and the evolution of life and environments, for students who will normally not possess any prior knowledge of the subject, and in particular to: (1) synthesize a wide range of information on the history of the Earth and other planets; (2) develop skills in the description and interpretation of fossils and geological maps; (3) develop problem-solving capabilities in theoretical and practical situations.

*Course Co-ordinator:* Dr Martin Lee

### **JQWU GEOGRAPHY 1: LIVING IN A CHANGING WORLD**

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Lectures - 11.00 am Tuesday to Thursday; approximately fortnightly laboratories; approximately fortnightly tutorials.

*Requirements of entry:* This course may be taken as a unit in its own right, or may act as a foundation for two, three or four years of study of Geography leading to an Honours Degree. The course carries 40 credits although in special circumstances students will be permitted to exit the course following the class exam and be awarded 20 credits. There are no pre-requisites for entry to the course, although most of the class normally have "A" or "B" passes in Geography at Higher Grade.

*Excluded Courses:* 201B Geography 1 (Ordinary)

*Assessment:* One final exam (40%). Continuous assessment (60%) (includes class exam, 2 class essays and assessed lab and tutorial exercises)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students through lectures, tutorials and essay work to the nature of: human geography: issues of development and underdevelopment; identity, connections and social relations; physical geography: aspects of climatology, geomorphology, hydrology and biogeography, as interacting environmental elements in the past and present; human and physical inter-relations: climate change, biodiversity, resources and sustainability; key skills in geographical analysis through basic data collection, interpretation and presentation.

*Course Co-ordinator:* Dr Hayden Lorimer

### **5YWV EARTH SCIENCE 2P: SOLID EARTH**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Monday, Wednesday, Friday - 9.00 am; laboratories Monday 2.00 pm-4.00 pm or Wednesday 2.00-4.00 pm and Friday 10.00 am or Friday 2.00-4.00 pm

*Requirements of entry:* Level 1 Earth Science 1X

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* 90 min written examination (50%), two laboratory assessments totalling 50%.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To provide students with an advanced understanding of geological processes, particularly at the global scale. Particular emphasis is placed on the interpretation of rocks and rock-forming processes within a global tectonic context. Emphasis is placed on mineralogical, geochemical and petrographic study to analyse and characterise rocks, and how such understanding provides a sophisticated view of the processes, past and present, at work within the Earth.

*Course Co-ordinator:* Dr Zoe Shipton

### **4WKV EARTH SCIENCE 2Q: PALAEOBIOLOGY**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures Monday and Wednesday - 9.00 am; Laboratory Monday 2.00 pm-4.00 pm or Wednesday 2.00 pm-4.00 pm.

*Requirements of entry:* Level 1 Earth Science 1Y or L1 Biology courses.

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* One hour written examination (60%), and 2 x one hour of assessed practical work (totalling 40%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a core understanding of the history and development of life in the light of evolution, palaeoecology, palaeobiodiversity, and taxonomy. To provide a knowledge of the processes of fossilisation.

*Course Co-ordinator:* Dr Zoe Shipton

### **4WLW EARTH SCIENCE 2R: SEDIMENTS AND STRATIGRAPHY**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesday, Thursday - 9.00 am; laboratories Tuesday 2.00 - 4.00 pm or Wednesday 11.00 am - 1.00 pm. One day field class.

*Requirements of entry:* Level 1 Earth Science 1Y Level 1 Earth Science 1X

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* One hour written examination (70%), laboratory assessment (15%) and a report based on the day excursion (15%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To provide students with an understanding of the key principles of stratigraphy and sedimentology, and to show the use of these subjects with other geological information and maps to determine Earth history. Particular reference is made to the identification of past major tectonic regimes. The links between sedimentation and tectonics are emphasised by the application of the methods of cyclical stratigraphy.

*Course Co-ordinator:* Dr Zoe Shipton

### **9T5V EARTH SCIENCE 2U - STRUCTURE, MAPS AND EXPLORATION**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures, Tuesday, Thursday - 9.00-10 am. Laboratories, Tuesday 2.00-4.00pm or Wednesday 11.00-1.00pm and Friday 10.00-12.00 or Friday 2.00-4.00pm, 1-day field class, 1-week residential field class (required for entry into Level 3 Earth Science) OR 1-day field class plus tutorials

*Requirements of entry:* 4WGU Earth Science 1X: Introduction to the Earth 4WHU Earth Science 1Y: Evolution of the Earth 4WLV Earth Science 2R: Sediments and Stratigraphy

*Co-requisites:* 5YWV Earth Science 2P: Solid Earth

*Excluded Courses:* None

*Assessment:* 90 min written examination (50%), laboratory assessments (25%), report based on the field class (25%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide students with the key principles of structural geology and to demonstrate how geological structures relate to geological maps. To develop the field skills of positioning, observation, recording and interpretation in the context of igneous, sedimentary and metamorphic rocks, geological maps, landforms and tectonic structures. To provide students with the principles of geological and geophysical exploration for natural resources by a practical understanding of the techniques of geological mapping and remote sensing.

*Course Co-ordinator:* Dr Zoe Shipton

### **201C GEOGRAPHY 2 (ORDINARY)**

*Credits:* 60

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Daily - 10.00 am; weekly laboratory at 2 pm - 4 pm on either Monday, Tuesday, Wednesday or Thursday; approximately 10 fortnightly tutorials: field class for intending Honours students (c. 7 days) in Easter vacation.

*Requirements of entry:* Grade D in Geography 1.

*Assessment:* CA consists of 2 class essays (25% in total); tutorials (10% in total); practical work (12.5% in total), class test 12.5% and a Degree Examination in June (40%) which equals 100%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) Globalisation and Localisation To evaluate the geographical implications, expressed in economic, political and cultural terms, arising from globalisation, and its local impacts; To assess critically the theories and their supportive evidence underlying the global/local nexus; To critically assess the processes and agents linked to global and local shifts. (2) Process and Form in Physical Geography To examine the operation and effects of major processes in physical geography by interrelating process and form and demonstrating how landforms and processes change over time; To introduce applied aspects of physical geography with reference to relevant case studies. (3) Environmental Geography To illustrate the environmental approach, thereby complementing the regional approach taken in Level 1 Geography; To critically assess global environmental issues, demonstrating the linkages between physical and human geography on the ground and the problems they pose for policy makers. (4) Laboratory Practicals To collect and evaluate sources of primary and secondary data; To acquire quantitative and qualitative techniques appropriate for analysing data widely used by human and physical geographers. (5) Tutorials To acquire the ability (with the aid of background reading) to contribute effectively to discussions on geographical issues using the requisite oral and presentation skills. (6) Field Class To practice techniques used in human and physical geography; To evaluate critically fieldwork methods and the design of projects related to taught course material; To develop student communicative and interactive skills by working in groups in real world situations. (7) Reading and Writing skills - the ability to be precise and, through oral and written presentation, develop skills of critical evaluation; (8) Bibliographic skills - students will be expected to read widely and to make full use of library resources. (Training on the proper use of GUL, including computer searches, is included with the Level 2 programme); (9) Presentation skills - as part of the field class, group projects are researched, analysed and presented in front of an audience.

*Course Co-ordinator:* Dr Paul Routledge

### **4WGW EARTH SCIENCE 3**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Teaching will take place at arranged times throughout both semesters. A weekly timetable is provided to students detailing class times and locations. Fieldwork is carried out during the Easter Vacation and Semester 2.

*Requirements of entry:* GPA of 11 at end of Level 2; completion of all credit-bearing courses from Level 2 at Grade D or better, and participation in the residential field excursion in Earth Science 2U.

*Assessment:* Assessment; 3; Core 58%; Options 25%; Portfolio A 17%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a degree course which will impart a full knowledge of Earth Science, giving students and graduates access to all areas of the subject; to provide detailed specialist knowledge of the subject areas relevant to current practice in academic and applied Earth Science; to develop the intellectual skills of learning, application, initiative and critical ability; to develop conceptual, analytical, spatial and field skills within the framework of Earth Sciences; to provide the transferable, technical and professional skills for future careers, including the skills of teamwork, self-reliance and communication; to provide an exposure to current research methods and thought in Earth Science.

*Course Co-ordinator:* Dr Brian Bell

#### **4WGH EARTH SCIENCE 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Teaching will take place at arranged times throughout both semesters. A weekly timetable is provided to students detailing class times and locations. Fieldwork is carried out during the Easter Vacation, Semester 2 and the Summer Vacation.

*Requirements of entry:* GPA of 11 at end of Level 2; completion of all credit-bearing courses from Level 2 at Grade D or better, and participation in the residential field excursion in Earth Science 2U.

*Excluded Courses:* None

*Assessment:* Assessment; Core 58%; Options 25%; Portfolio 17%; Carry forward to 4H 40%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a degree course which will impart a full knowledge of Earth Science, giving students and graduates access to all areas of the subject; to provide detailed specialist knowledge of the subject areas relevant to current practice in academic and applied Earth Science; to develop the intellectual skills of learning, application, initiative and critical ability; to develop conceptual, analytical, spatial and field skills within the framework of Earth Sciences; to provide the transferable, technical and professional skills for future careers, including the skills of teamwork, self-reliance and communication; to provide an exposure to current research methods and thought in Earth Science.

*Honours Course Prescription:* Earth Science Core Programme must be taken: Year 3 - Stratigraphy; Sedimentary geology; Igneous Petrology & Geochemistry; Metamorphic petrology; Isotope geology; Structural geology; Tectonic Geomorphology I; Earth Science Skills Portfolio A, of which the lecture courses in Stratigraphy; Igneous petrology & Geochemistry; Metamorphic Petrology; Sedimentary Geology only examined at January diet (or as determined by timetabling in any one session (credit equivalent). A total of 3 options, on an alternating year system, will be chosen from Environmental Earth Science; Engineering Earth Science; Palaeoclimates; Hydrogeology and Human Health; Environmental Biogeochemistry; Economic Minerals; Tectonic Geomorphology II; Geographic Information Systems; Fluvial; Coastal; Glacial Geology.

*Course Co-ordinator:* Dr Brian Bell

#### **5A8H GEOGRAPHY (SCI) 3H (SING)**

*Credits:* 130

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday, Tuesday and Thursday - 10.00 am for compulsory courses. Option courses at times to be advised.

*Requirements of entry:* At least Grade B in Level 2 Geography and attendance at the Level 2 Geography field class and completion of a satisfactory field notebook.

*Excluded Courses:* 201A Geography AOS

*Assessment:* First diet of a split diet Honours examination. Two option courses, each with either (a) a 3 hour degree examination (67%) and continuous assessment (33%); or (b) a 1.5 hour degree examination (33%) and continuous assessment (67%). All Honours students must attend a compulsory field class during the Easter Vacation. The Dissertation is commenced during Level-3H and completed during Level-4H.

*Degree Examination taken in:* April/May

*Aims:* The Honours Geography programme has the following aims: (1) to provide a sound overall knowledge and awareness of theory and practice in Human and Physical Geography, within the context of space and place; (2) to develop specialist conceptual, analytical, spatial and fieldwork skills, centrally embedded within the context of a geographic education; (3) to develop problem-oriented, enquiring minds, emanating from staff research feeding into the teaching programmes, so that undergraduates are exposed to contemporary issues in Geography; (4) to develop generic (transferable) skills, which are easily adaptable to the needs of the labour market, particularly those of communication (written, oral and graphical) and teamwork; (5) to develop initiative, self-reliance and critical ability.

*Honours Course Prescription:* Geographic thought, geographical techniques, research skills (including a residential fieldclass) and two options.

*Course Co-ordinator:* Prof Ronan Paddison

#### **4UXW GEOGRAPHY 3B**

*Credits:* 90

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday, Tuesday and Thursday - 10.00 am and at other times to be arranged. Classes are taken in common with 3H. Weekly laboratories at 11-1 on Tue or Wed or Thurs.

*Requirements of entry:* Grade D in Geography 2

*Assessment:* 2 options (67%): a 3 hour degree examination for each (22% or 11.5%) with continuous assessment (11.5% or 22%); techniques labs (7%), thought essay (6%) and project (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To afford students the opportunity to gain in-depth knowledge of two parts of the discipline. To develop skills of problem formulation, data acquisition



and analysis, and report presentation within a time-constrained framework. To develop skills relating to the analysis and manipulation of geographic data. To develop oral and communication skills. To provide the student with basic skills in the use of computers in geography. To develop critical skills, ensuring that students are able to discuss competently current debates within the discipline. To provide students with a broad understanding of the nature of geography as an academic discipline.

*Course Co-ordinator:* Prof Ronan Paddison

#### 4UYW GEOGRAPHY 3C

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday, Tuesday and Thursday - 10.00 am and at other times to be arranged. Classes are taken in common with Junior Honours. Weekly laboratories at 11-1 on Tue or Wed or Thurs.

*Requirements of entry:* Grade D in Geography 2

*Assessment:* 3 options (75%): for each a 3 hour degree examination (17% or 8%) and continuous assessment (8% or 17%); project (17%); techniques labs (4%); thought essay (4%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To afford students the opportunity to gain in-depth knowledge of three parts of the discipline; to develop skills of problem formulation, data acquisition and analysis, and report presentation within a time-constrained framework; to develop skills relating to the analysis and manipulation of geographic data; to develop oral and communication skills; to provide the student with basic skills in the use of computers in geography; to develop critical skills, ensuring that students are able to discuss competently current debates within the discipline; to provide students with a broad understanding of the nature of geography as an academic discipline.

*Course Co-ordinator:* Prof Ronan Paddison

#### 5A8F GEOGRAPHY 3H (JOINT)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday, Tuesday and Thursday - 10.00 am for compulsory courses. Option courses at times to be advised.

*Requirements of entry:* At least Grade B in Level 2 Geography and attendance at the Level 2 Geography field class and completion of a satisfactory field notebook. Acceptance into Honours by the other joint subject.

*Assessment:* First diet of a split diet Joint Honours Examination. Two option papers over a two year period, each with either (a) a 3 hour degree examination (67%) and continuous assessment (33%); or (b) a 1.5 hour degree examination (33%) and continuous assessment (67%). The decision on the percentage weighting of assessment for an individual course option will be made by the course option tutor. However, students

will be made aware of the means of assessment for all course options before the start of the academic year.

If a student is doing their dissertation in Geography 3H: One option plus Joint Student Research Skills (Elements of Techniques, Advanced Techniques, Dissertation and Fieldwork Preparation, 30 credits) 4H: Option plus dissertation OR If a student does their dissertation with the other subject: 3H: Option plus Techniques and Thought 4H: Option plus the Advanced Geographies course

*Degree Examination taken in:* April/May

*Aims:* The Honours Geography programme has the following aims: (1) to provide a sound overall knowledge and awareness of theory and practice in Human and Physical Geography, within the context of space and place; (2) to develop specialist conceptual, analytical, spatial and fieldwork skills, centrally embedded within the context of a geographic education; (3) to develop problem-oriented, enquiring minds, emanating from staff research feeding into the teaching programmes, so that undergraduates are exposed to contemporary issues in Geography; (4) to develop generic (transferable) skills, which are easily adaptable to the needs of the labour market, particularly those of communication (written, oral and graphical) and teamwork; (5) to develop initiative, self-reliance and critical ability from a solid foundation of knowledge and understanding and critical awareness.

*Honours Course Prescription:* If a student is doing their dissertation in Geography: One option plus Joint Student Research Skills OR If a student does their dissertation with the other subject: one option plus Techniques and Thought

*Course Co-ordinator:* Prof Ronan Paddison

#### 4WGJ EARTH SCIENCE 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Teaching will take place at arranged times throughout both semesters. A weekly timetable is provided to students detailing class times and locations. Fieldwork is carried out during the Easter Vacation, Semester 2 and the Summer Vacation.

*Requirements of entry:* GPA of 11 at end of Level 3; completion of all credit-bearing courses from Level 3 at Grade D or better.

*Excluded Courses:* None

*Assessment:* Core 17%; Options 33%; Earth Science Skills Portfolio B 25%; Earth Science Skills Portfolio C 25%.

*Degree Examination taken in:* April/May

*Aims:* To provide a degree course which will impart a full knowledge of Earth Science, giving students and graduates access to all areas of the subject; to provide detailed specialist knowledge of the subject areas relevant to current practice in academic and applied Earth Science; to develop the intellectual skills of learning, application, initiative and critical ability; to develop conceptual, analytical, spatial and field skills within the framework of Earth Sciences; to provide the transferable, technical and professional skills for future careers,

including the skills of teamwork, self-reliance and communication; to provide an exposure to current research methods and thought in Earth Science.

*Honours Course Prescription:* The Earth Science Core Programme must be taken: Year 4 - Major Earth Processes; Geophysics; Earth Science Skills Portfolio B; Earth Science Skills Portfolio C. A total of 4 options, on an alternating year system, excluding those courses already taken in 3H will be chosen from Environmental Earth Science; Engineering Earth Science; Palaeoclimates; Hydrogeology and Human Health; Environmental Biogeochemistry; Economic Minerals; Tectonic Geomorphology II; Geographic Information Systems; Fluvial; Coastal; Glacial Geology; Orogens & Basins; Petroleum Geology; Micropalaeontology; Advanced Sequence Stratigraphy.

*Course Co-ordinator:* Dr Brian Bell

### **5YTJ ENVIRONMENTAL CHEMISTRY AND GEOGRAPHY 4H**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Year 3: Monday 10.00; Monday 11.00 (weeks 1-10); Tues, Thurs, Fri 10.00 (weeks 1-15); Tues, Thurs 9.00 (weeks 1-10). Option course during semester 1: Mon/Wed/Thurs 11.00-1.30; Tues, Wed, Thurs 1400-1700 (weeks 1-10), Easter Vacation Field Work Semester 2 field work 6 days. Year 4: Tues, Thurs, Fri 10.00 (weeks 1-15); Mon 10.00 (weeks 1-10); Mon 12.00 (weeks 1-10); Tues 11.00 (weeks 1-10). 2 option courses (semester 1) Dissertation fieldwork as scheduled; Laboratory project as scheduled.

*Requirements of entry:* Grade D in or better in Environmental Chemistry and Geography 3H

*Assessment:* Chemistry (Environmental) Third Year: June - 3 hr exam; June - 3 hr exam; Continuous assessment; Final Year: June - 1.5 hr exam; June - 2 hr exam; June - 1.5 hr essay paper; Project. Geography: Third Year: June - 3 hr exam; Continuous assessment field work project; Laboratory continuous assessment; Final Year: June - 3 hr exam plus continuous assessment; June - 3 hr exam plus continuous assessment; June - 1.5 hr essay paper. Dissertation.

*Degree Examination taken in:* April/May

*Aims:* This degree course, taught jointly by the Chemistry (environmental) and Geographical and Earth Sciences Departments, will provide an integrated approach to the physical environment via an appreciation of the structure of surface environments, their dynamics and their management for the sustainable use of their resources. The degree course will give students specific experience in, and an understanding of, the landforming processes and resources of surface environments and the ways in which these have changed in the past and may change in the future (eg polar, coastal, fluvial, glacial, arid); and the sustainable use of environments. This programme of work aims to: stimulate an appreciation in the student of the importance of the surface environment; equip the student with a fundamental understanding of the nature and functioning of the surface environment and the effects of anthropogenic activity on it; provide the student with an advanced level of training, laboratory skills, field skills and critical as-

essment which allows them to gain employment in the broad area of the environmental industry.

*Course Co-ordinator:* Dr Ian Pulford

### **5A8G GEOGRAPHY 4H (JOINT)**

*Credits:* 70

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Options at times to be arranged.

*Requirements of entry:* Grade D in Geography 3H (Joint)

*Assessment:* Second diet of a split diet Joint Honours. Two option papers over a two year period, each with either (a) a 3 hour degree examination (67%) and continuous assessment (33%); or (b) a 1.5 hour degree examination (33%) and continuous assessment (67%). The decision on the percentage weighting of assessment for an individual course option will be made by the course option tutor. However, students will be made aware of the means of assessment for all course options before the start of the academic year. Joint Honours students take EITHER an 8000 word dissertation which is commenced during Level 3H and completed during Level 4H OR a compulsory core course.

*Degree Examination taken in:* April/May

*Aims:* The primary aim of the course is to provide students with an appreciation of a variety of geographical issues and their associated methods of analysis. Aims for the Honours options may be found in the details of each specific course option. Aims of the dissertation can be found in the 3H Single Course information. The 4H Geography Lecture Course has five aims: (1) to develop critical reading and argument formulation skills; (2) to provide a forum in which to situate specialisms within a wider understanding of the discipline; (3) to enhance awareness of research approaches and their implications; (4) to provide guidance on the presentation of dissertations; and (5) to provide career orientation.

*Honours Course Prescription:* One option and either the dissertation or Advanced geographies.

*Course Co-ordinator:* Prof Ronan Paddison

### **5A8J GEOGRAPHY 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Grade D in Geography 3H (Single)

*Assessment:* Second diet of a split diet Honours examination. Two option papers, each with either (a) a 3 hour degree examination (67%) and continuous assessment (33%); or (b) a 1.5 hour degree examination (33%) and continuous assessment (67%). The decision on the percentage weighting of assessment for an individual course option will be made by the course option tutor. However, students will be made aware of the means of assessment for all course options before the start of the academic year. One compulsory course and one 8000 word dissertation.

*Degree Examination taken in:* April/May

*Aims:* The primary aim of the course is to provide students with an appreciation of a variety of geographical

issues and their associated methods of analysis. Aims for the Honours options may be found in the details of each specific course option. Aims of the dissertation can be found in the 3H Single Course information. The 4H Geography Lecture Course serves to: (1) develop critical reading and argument formulation skills; (2) provide a forum in which to situate specialisms within a wider understanding of the discipline; (3) enhance awareness of research approaches and their implications; (4) provide guidance on the presentation of dissertations; and (5) provide career orientation.

*Honours Course Prescription:* Advanced geographies, dissertation, two options.

*Course Co-ordinator:* Prof Ronan Paddison

## German

Please see the entries for the School of Modern Languages & Cultures, page [180](#).

## Hispanic Studies

Please see the entries for the School of Modern Languages & Cultures, page [185](#).

## History

### 4NCU HISTORY 1A: MAKING OF EUROPE: THREE ORDERS 800- 1500

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Class hour 10.00 am every weekday

*Requirements of entry:* All students admitted to the University will be eligible to enrol in this course.

*Assessment:* Examination 60% (held at end of course), essay 30%, seminar contribution 10%.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad introduction to the main features of European history from AD 800 to 1500, taking into account that you may not have covered most (or any) of this period before; to offer you a fresh and stimulating approach to the major forces instrumental in the shaping of politics, society and culture in Europe; to make you aware of the current approaches on European History, and of the areas of particular controversy and debate; to encourage you to think broadly, comparatively and conceptually across a wide area and a long period of time; to provide a secure foundation of knowledge and skills which will enable you to proceed with confidence to Level 2.

*Course Co-ordinator:* Dr Andrew Roach

### 4NDU HISTORY 1B: MAKING OF EUROPE: NATION, COMMUNITY & CONFLICT 1500- 2000

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Class hour 10.00 am every weekday.

*Requirements of entry:* All students admitted to the University will be eligible to enrol in this course.

*Assessment:* Examination 60% (held at end of course), essay 30%, seminar contribution 10%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide you with a broad introduction to the main features of European history from 1500 to the present, taking into account that you may not have covered most (or any) of this period before; to offer you a fresh and stimulating approach to the major forces instrumental in the shaping of politics, society and culture in Europe; to make you particularly aware of recent innovative approaches to the study of specific themes within European history; to encourage you to think broadly, comparatively and conceptually across a wide area and a long period of time; to provide a secure foundation of knowledge and skills which will enable you to proceed with confidence to Level 2.

*Course Co-ordinator:* Dr Maud Bracke

### 6BDU HISTORY 1C: THE INDEPENDENT KINGDOM OF SCOTLAND 1100 -1707

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Class hour 12 noon every weekday

*Requirements of entry:* All students admitted to the University will be eligible to enrol in this course.

*Assessment:* Examination 60% (held at end of course), essay 30%, seminar contribution 10%.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To provide you with a knowledge of Scottish History from 1100 to the Union of 1707 and of the forces which helped shape Scotland's development, taking into account the fact that many of you may not have covered this period before; within this narrative, to give due weight to political, social, economic, religious and cultural developments; to make you aware of the current approaches being taken by historians towards the history of Scotland, and of the areas of particular controversy and debate; to enhance your critical and analytical skills - expressed in essays, examination, and discussion in seminars - through your study of the work of Scottish historians; to provide a secure foundation of knowledge and skills which will enable you to proceed with confidence to Level 2.

*Course Co-ordinator:* Dr Dauvit Broun

### 9TMV HISTORY 2 SCO: SCOTLAND THE STATELESS NATION

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Class hour 11.00 a.m. every weekday.

*Requirements of entry:* Grade D or better in any ONE level 1 course in History or Economic and Social History.

*Assessment:* Examination 60% (held at end of course), essay 20%, assessed seminar paper 10%, overall seminar contribution 10%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* 1. To give you an understanding of key themes in modern Scottish history based upon primary and secondary sources. 2. To place particular emphasis upon the issue of Scotland's complex and changing identities in the era of the 'stateless nation'. 3. To introduce you to a range of primary sources with illuminating key themes. 4. To improve your presentational and analytical skills through assessed seminar reports and discussion. 5. To provide a secure foundation of skills in the handling of different types of primary and secondary sources, enabling you to proceed with confidence to Honours.

*Course Co-ordinator:* Dr Martin MacGregor

### **7ELV HISTORY 2AM: SOCIETY, CULTURE & POLITICS IN NORTH AMERICA**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Class hour 4.00 pm every weekday

*Requirements of entry:* Grade D or better in any ONE level 1 course in History or Economic and Social History

*Assessment:* Examination 60% (held at end of course), essay 20%, assessed seminar paper 10%, overall seminar contribution 10%.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To familiarise you with fundamentally significant eras and themes in the history of the portion of North America that became the United States, covering the period between first contact between Native Americans and Europeans in 1492 and the present; to improve your critical and evaluative skills in the handling of a variety of primary and secondary sources, enabling you to proceed with confidence to Honours; to enhance your independence of judgment in dealing with conflicting interpretations of major issues; to improve your presentational and analytical skills through seminar reports and discussion.

*Course Co-ordinator:* Dr Phillips O'Brien

### **7EMV HISTORY 2EM: GOVERNMENT, CULTURE & SOCIETY IN EUROPE 1550-1715**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Class hour 2.00 pm every weekday

*Requirements of entry:* Grade D or better in any ONE level 1 course in History or Economic and Social History

*Assessment:* Examination 60% (held at end of course), essay 20%, assessed seminar paper 10%, overall seminar contribution 10%.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To provide you with a sound understanding of key aspects of European history in the period 1550-1715, especially the growth of the state, common attitudes and habits of mind at the time, and relationships between groups in society; to improve your critical and evaluative skills in the handling of a variety of primary and secondary sources, enabling you to proceed with confidence to Honours; to enhance your independence of judgment in dealing with conflicting interpretations of major issues; to improve your presentational and analytical skills through seminar reports and discussion.

*Course Co-ordinator:* Dr Lionel Glassey

### **5YTV HISTORY 2MED: ENGLAND AND ITS NEIGHBOURS C.870-C.1450**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Class hour 2.00 pm Monday, Tuesday, Wednesday, Thursday and Friday

*Requirements of entry:* Grade D or better in any ONE level 1 course in History or Economic and Social History.

*Assessment:* Examination 60% (held at end of course), essay 20%, assessed seminar paper 10%, overall seminar contribution 10%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To give you an understanding of the political culture of England and its neighbours over the period from the Vikings to the Hundred Years War, including the political relationships within aristocratic elites, between king and nobility, and the contextualisation of military force in medieval politics; to improve your critical and evaluative skills in the handling of a variety of primary and secondary sources, enabling you to proceed with confidence to Honours; to enhance your independence of judgment in dealing with conflicting interpretations of major issues; to improve your presentational and analytical skills through seminar reports and discussion.

*Course Co-ordinator:* Prof Matthew Strickland

### **5ZAW FOLK BELIEF AND THE WITCH-HUNTS**

*Credits:* 30

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures 2 hours a week Seminars 1 hour a week

*Requirements of entry:* Completion of one History level 2 course at Band D or better, or one Economic and Social History level 2 course at Band D or better

*Assessment:* Primary Source Analysis 10% (students will write approx 1500 words on a primary source extract. The source may be a text or a visual representation) Essay 30% (students will write approx 3000 words) Seminar 20% (students will be assessed on an in-class oral presentation 10% and will participate in a peer review, subject to confirmation by the tutor, of general class participation throughout the semester 10%) Final Exam 40%

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The principal aims of this course are: - to explore the role of the supernatural and witch belief in Europe, North America and Africa; - to examine the intellectual and folk attitudes towards witchcraft and belief in the supernatural, past and present; - to investigate the uniqueness of individual witch persecutions through such criteria as gender, age, social status and regional differences; - to examine the legal developments and political conditions that allowed witch persecutions to take place; - to develop and utilise various methodological approaches towards the study of mindsets, worldview, popular culture and belief.

*Course Co-ordinator:* Dr Lizanne Henderson

## 2XKW HISTORY 3 AM

*Credits:* 30

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Please contact Department

*Requirements of entry:* Normally Faculty of Arts progression rules to Level 3, and completion of one of the following Level 2 courses at Band D or better: History 2Em, History 2Med, History 2Sco, Economic and Social History 2A, and Economic and Social History 2B. Students cannot have taken 2AM (7ELV).

*Assessment:* No examination: assessment by course work only: 1 short essay (1500 words) rated at 25% of the total course mark; 1 short verbal presentation (15 mins) on a relevant historical theme (10%); an 800-word review of a book, review of CAL unit or other comparable material (10%); design 1 draft examination paper (5-8 questions) on a historical period or theme of his/her choice (5%); complete 1 dissertation (3000 words) rated at 50% to be submitted by the end of the course.

*Aims:* This course is based on the corresponding level 2 course and it seeks to give each student an understanding of the underlying structures of the period studied, the nature and quality of different types of primary and secondary source material, and ways of assessing the value of visual and other types of evidence. It also seeks to enhance student skills relating to verbal presentation of historical arguments, reviewing existing historical literature, and (esp. through the dissertation) designing an independent research strategy.

*Course Co-ordinator:* Dr Phillips O'Brien

## 2YTW HISTORY 3 EM

*Credits:* 30

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Please contact Department

*Requirements of entry:* Normally Faculty of Arts progression rules to Level 3, and completion of one of the following level 2 courses at Band D or better: History 2Am, History 2Med, History 2Sco, Economic and Social History 2A, and Economic and Social History 2B. Students cannot have taken History 2Em (7EMV)

*Assessment:* No examination: assessment by course work only: 1 short essay (1500 words) rated at 25% of the total course mark; 1 short verbal presentation (15 mins) on a relevant historical theme (10%); an 800-word review of a book, review of CAL unit or other comparable material (10%); design 1 draft examination paper (5-8 questions) on a historical period or theme of his/her choice (5%); complete 1 dissertation (3000 words) rated at 50% to be submitted by the end of the course.

*Aims:* This course is based on the corresponding level 2 course not previously experienced and it seeks to give each student an understanding of the underlying structures of the period studied, the nature and quality of different types of primary and secondary source material, and ways of assessing the value of visual and other types of evidence. It also seeks to enhance student skills relating to verbal presentation of historical arguments, reviewing existing historical literature, and (esp. through the dissertation) designing an independent research strategy.

*Course Co-ordinator:* Dr Lionel Glassey

## JCPW HISTORY 3 MED

*Credits:* 30

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Please contact Department

*Requirements of entry:* Normally Faculty of Arts progression rules to Level 3, and completion of one of the following level 2 courses at Band D or better: History 2Am, History 2Em, History 2Sco, Economic and Social History 2A, and Economic and Social History 2B. Students cannot have taken History 2MED (7ENV).

*Assessment:* No examination: assessment by course work only: 1 short essay (1500 words) rated at 25% of the total course mark; 1 short verbal presentation (15 mins) on a relevant historical theme (10%); an 800-word review of a book, review of CAL unit or other comparable material (10%); design 1 draft examination paper (5-8 questions) on a historical period or theme of his/her choice (5%); complete 1 dissertation (3000 words) rated at 50% to be submitted by the end of the course.

*Degree Examination taken in:* April/May

*Aims:* This course is based on the corresponding level 2 course and it seeks to give each student an understanding of the underlying structures of the period studied, the nature and quality of different types of primary and secondary source material, and ways of assessing the value of visual and other types of evidence. It also seeks to enhance student skills relating to verbal presentation of historical arguments, reviewing existing historical literature, and (esp. through the dissertation) designing an independent research strategy.

*Course Co-ordinator:* Prof Matthew Strickland

## JCQW HISTORY 3 SCO

*Credits:* 30

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Please contact Department

*Requirements of entry:* Normally Faculty of Arts progression rules to Level 3, and completion of one of the following Level 2 courses at Band D or better: History 2Am, History 2Em, History 2Med, Economic and Social History 2A, and Economic and Social History 2B. Students cannot have taken History 2Sco (9TMV).

*Assessment:* No examination: assessment by course work only: 1 short essay (1500 words) rated at 25% of the total course mark; 1 short verbal presentation (15 mins) on a relevant historical theme (10%); an 800-word review of a book, review of CAL unit or other comparable material (10%); design 1 draft examination paper (5-8 questions) on a historical period or theme of his/her choice (5%); complete 1 dissertation (3000 words) rated at 50% to be submitted by the end of the course.

*Degree Examination taken in:* April/May

*Aims:* This course is based on the corresponding level 2 course and it seeks to give each student an understanding of the underlying structures of the period studied, the nature and quality of different types of primary and secondary source material, and ways of assessing the value of visual and other types of evidence. It also seeks to enhance student skills relating to verbal presentation of historical arguments, reviewing existing historical literature, and (esp. through the dissertation) designing an independent research strategy.

*Course Co-ordinator:* Dr Martin MacGregor

### 139F HISTORY 3H (JOINT)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* To be admitted to either Joint Honours study in History and Another Subject or Joint Honours study in Scottish History and Another Subject, you must satisfy the following Faculty of Arts and Departmental requirements: Faculty of Arts 1. Completion of 12 courses (240 credits) achieving Band D or better in at least 11 of these courses. 2. At least 4 of these courses must be at Level 2 in two subjects. It is the student's responsibility to check with their Adviser of Studies that they have satisfied these requirements before beginning Honours. Department of History 1. Completion of two History Level 1 courses (including Economic and Social History) achieving a Band D or better (40 credits) 2. Completion of two History (including Economic and Social History) courses achieving Band B or better in one and Band C or better in the other (40 credits) 3. An overall average of Band C for all history courses taken.

*Assessment:* All courses will be assessed at the end of the year in which they are taken: a two hour examination, in which two questions must be answered (70%); essay written during the course (20%); and seminar work (10%), divided as follows: 6% for the seminar paper submitted and 4% for overall seminar contribution. The exceptions to this rule are courses offered in Historical Computing which are described in the honours handbook; courses offered by the Department of Economic and Social History, where the degree examination counts for 70% of the assessment, the essay for

20% and one other piece of work, as detailed by the course handout for each course, counts for the final 10%; and courses taught in conjunction with the Departments of Archaeology, Celtic and Law, details of which are set out in the Honours Handbook. The Special Subject will be assessed as follows: two 2 hour examinations will account for 60% of the total result; the remaining 40% will come from in-course assessment as follows: 10% for each of two semesterly essays; 6% for each of two semesterly presentations and 4% for seminar contribution in each semester.

*Degree Examination taken in:* April/May

*Aims:* The main educational aims of the MA (Hons) in History are: to develop a critical understanding of human activity in past societies for its own sake and to foster an understanding of the relationship between the present and the past, particularly of the complexity of the relationship between social, political and intellectual concerns of the present and research into the past; to facilitate student work in these areas by exposing students to current questions of historical research and method; to offer a range of opportunities and contexts for students to develop essential skills of analysis, research, presentation and communication as well as IT skills and qualities of initiative through the assessed study of history across a wide range of periods and types of history. The outcomes common to all the Department's Honours courses are as follows: the development of the intellectual interests and analytical skills acquired by students during their first two years; awareness of previously unfamiliar methodological approaches, chronological periods and geographical areas by offering a wide and flexible choice of options; to offer the opportunity to develop skills in historical computing, as well as basic IT awareness; familiarity with complex historical debates and interpretations, skill in interpreting primary sources where appropriate, and to inform these discussions with new ideas derived from lecturers' current research; the development of transferable skills by fostering individual initiative, personal choice, group discussion and, where appropriate, problem-solving team work.

*Honours Course Prescription:* Three courses in year 3. Three courses, or a Special Subject, or a dissertation plus one course, in year 4 (see History 3H/4H Single).

*Course Co-ordinator:* Dr Marina Moskowitz

### 139H HISTORY 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* To be admitted to Single Honours study in History, you must satisfy the following Faculty of Arts and Departmental requirements: Faculty of Arts 1. Completion of 12 courses (240 credits) achieving Band D or better in at least 11 of these. 2. At least 4 of these courses must be at Level 2 in two subjects. It is the responsibility of the student to check with their Adviser of Studies that they have satisfied these requirements before beginning Honours. Department of History 1. Completion of History 1A and History 1B achieving a Band D or better (40 credits) 2. Completion

of two History (including Economic and Social History) courses achieving Band B or better in one and Band C or better in the other (40 credits). 3. Completion of at least one additional History (or Economic and Social History) course, Level 1 or Level 2, achieving a Band D or better (20 credits). 4. An overall average of Band C for all history courses taken

*Assessment:* All courses will be assessed at the end of the year in which they are taken: a two-hour examination, in which two questions must be answered (70%); essay written during the course of the course (20%); and seminar work (10%), divided as follows: 6% for the seminar paper and 4% for overall seminar contribution. The exceptions to this rule are courses offered in Historical Computing are described in the Honours Handbook; courses offered by the Department of Economic and Social History, where the degree examination counts for 70% of the assessment, the essay for 20% and one other piece of work, as detailed by the course handout for each course, counts for the final 10%; and courses taught in conjunction with the Departments of Archaeology, Celtic and Law, details of which are set out in the Honours Handbook. The Special Subject will be assessed as follows: two 2 hour examinations will account for 60% of the total result; the remaining 40% will come from in-course assessment as follows: 10% for each of two semesterly essays; 6% for each of the two semesterly presentations and 4% for seminar contribution in each semester.

*Degree Examination taken in:* April/May

*Aims:* The main educational aims of the MA (Hons) in History are: to develop a critical understanding of human activity in past societies for its own sake and to foster an understanding of the relationship between the present and the past, particularly of the complexity of the relationship between social, political and intellectual concerns of the present and research into the past; to facilitate student work in these areas by exposing students to current questions of historical research and method; to offer a range of opportunities and contexts for students to develop essential skills of analysis, research, presentation and communication as well as IT skills and qualities of initiative through the assessed study of history across a wide range of periods and types of history. The outcomes common to all the Department's Honours courses are as follows: the development of the intellectual interests and analytical skills acquired by students during their first two years; awareness of previously unfamiliar methodological approaches, chronological periods and geographical areas by offering a wide and flexible choice of options; to offer the opportunity to develop skills in historical computing, as well as basic IT awareness; familiarity with complex historical debates and interpretations, skills in interpreting primary sources where appropriate, and to inform these discussions with new ideas derived from lecturer's current research; the development of transferable skills by fostering individual initiative, personal choice, group discussion and, where appropriate, problem-solving team work.

*Honours Course Prescription:* Six courses from the list given in the current Honours Handbook and on the Departmental web site for Year 3. One course, a Special Subject and a dissertation in Year 4.

*Course Co-ordinator:* Dr Marina Moskowitz

### 139G HISTORY 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* To be admitted to either Senior Joint Honours study in History and Another Subject or Senior Joint Honours study in Scottish History and Another Subject, you must have satisfactorily completed either Junior Joint Honours study in History and Another Subject, or Junior Joint Honours study in Scottish History and Another Subject.

*Assessment:* All courses will be assessed at the end of the year in which they are taken: a two hour examination, in which two questions must be answered (70%); essay written during the course of the course (20%); and seminar work (10%), divided as follows: 6% for the better of the two seminar papers submitted and 4% for overall seminar contribution. The exceptions to this rule are courses offered in Historical Computing which are described in the honours handbook; courses offered by the Department of Economic and Social History, where the degree examination counts for 70% of the assessment, the essay for 20% and one other piece of work, as detailed by the course handout for each course, counts for the final 10%; and courses taught in conjunction with the Departments of Archaeology, Celtic and Law, details of which are set out in the Honours Handbook. The Special Subject will be assessed as follows: two 2 hour examinations will account for 60% of the total result; the remaining 40% will come from in-course assessment as follows: 10% for each of two termly essays; 6% for each of two termly presentations and 4% for seminar contribution in each term.

*Degree Examination taken in:* April/May

*Aims:* The main educational aims of the MA (Hons) in History are: to develop a critical understanding of human activity in past societies for its own sake and to foster an understanding of the relationship between the present and the past, particularly of the complexity of the relationship between social, political and intellectual concerns of the present and research into the past; to facilitate student work in these areas by exposing students to current questions of historical research and method; to offer a range of opportunities and contexts for students to develop essential skills of analysis, research, presentation and communication as well as IT skills and qualities of initiative through the assessed study of history across a wide range of periods and types of history. The outcomes common to all the Department's Honours courses are as follows: the development of the intellectual interests and analytical skills acquired by students during their first two years; awareness of previously unfamiliar methodological approaches, chronological periods and geographical areas by offering a wide and flexible choice of options; to offer the opportunity to develop skills in historical computing, as well as basic IT awareness; familiarity with complex historical debates and interpretations, skill in interpreting primary sources where appropriate, and to inform these discussions with new ideas derived from lecturers' current re-

search; the development of transferable skills by fostering individual initiative, personal choice, group discussion and, where appropriate, problem-solving team work.

*Honours Course Prescription:* In Senior Joint Honours, students can take 3 courses, OR, 1 dissertation plus 1 course, OR, 1 Special Subject. Fuller information regarding which courses are available can be found in the Department's Honours Handbook. Courses taught by the Department of Economic & Social History can also be taken, and details can be obtained from that Department.

*Course Co-ordinator:* Dr Marina Moskowitz

### 139J HISTORY 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* to be admitted to Senior Single Honours study in History, you must have successfully completed Junior Single Honours study in History.

*Assessment:* All courses will be assessed at the end of the year in which they are taken: a two-hour examination, in which two questions must be answered (70%); essay written during the course of the course (20%); and seminar work (10%), divided as follows: 6% for the better of the two seminar papers submitted and 4% for overall seminar contribution. The exceptions to this rule are courses offered in Historical Computing are described in the Honours Handbook; courses offered by the Department of Economic and Social History, where the degree examination counts for 70% of the assessment, the essay for 20% and one other piece of work, as detailed by the course handout for each course, counts for the final 10%; and courses taught in conjunction with the Departments of Archaeology, Celtic and Law, details of which are set out in the Honours Handbook. The Special Subject will be assessed as follows: two 2 hour examinations will account for 60% of the total result; the remaining 40% will come from in-course assessment as follows: 10% for each of two termly essays; 6% for each of two termly presentations and 4% for seminar contribution in each term.

*Degree Examination taken in:* April/May

*Aims:* The main educational aims of the MA (Hons) in History are: to develop a critical understanding of human activity in past societies for its own sake and to foster an understanding of the relationship between the present and the past, particularly of the complexity of the relationship between social, political and intellectual concerns of the present and research into the past; to facilitate student work in these areas by exposing students to current questions of historical research and method; to offer a range of opportunities and contexts for students to develop essential skills of analysis, research, presentation and communication as well as IT skills and qualities of initiative through the assessed study of history across a wide range of periods and types of history. The outcomes common to all the Department's Honours courses are as follows: the development of the intellectual interests and analytical skills acquired by

students during their first two years; awareness of previously unfamiliar methodological approaches, chronological periods and geographical areas by offering a wide and flexible choice of options; to offer the opportunity to develop skills in historical computing, as well as basic IT awareness; familiarity with complex historical debates and interpretations, skills in interpreting primary sources where appropriate, and to inform these discussions with new ideas derived from lecturer's current research; the development of transferable skills by fostering individual initiative, personal choice, group discussion and, where appropriate, problem-solving team work.

*Honours Course Prescription:* In Senior Single Honours, a special subject, a dissertation and one course must be taken. Fuller information regarding which courses are available can be found in the Department's Honours Handbook. Courses taught by the Department of Economic & Social History can also be taken, and details can be obtained from them.

*Course Co-ordinator:* Dr Marina Moskowitz

## History of Art

### 103B HISTORY OF ART 1

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Lectures from 3.00 pm-4.00 pm on Mondays, Tuesdays & Thursdays; Seminars: one a week at times to be arranged

*Requirements of entry:* Acceptance to Glasgow University

*Assessment:* Two degree examination papers (50%); continuous assessment (50%)

*Degree Examination taken in:* December and April/May

*Resit Examination taken in:* August/September

*Aims:* (1) to provide a one year initiation course for those who wish to study the History of Art within the context of an interdisciplinary degree; (2) to provide students in the Level 1 Class who may have no prior knowledge of the subject, with a good general knowledge of the Western tradition of art represented by the periods and themes discussed and with a basis for the extension and development of this knowledge important periods at more advanced levels; (3) to foster transferable skills, for example, time-management; problem-solving; observation and visual analysis; independent learning; presentation and communication (oral and written); (4) to provide a basic foundation in selected areas of History of Art, which will enhance students' appreciation of major aspects of the material heritage of Western and world cultures.

*Course Co-ordinator:* Dr John Richards

### 103U HISTORY OF ART 1 (HALF COURSE)

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)



*Timetable:* Lectures from 3.00 pm-4.00 pm on Mondays, Tuesdays & Thursdays; Seminars: one a week at times to be arranged

*Assessment:* Two degree examination papers (50%); continuous assessment (50%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* (1) to provide an initiation course for those who wish to study the History of Art within the context of an interdisciplinary degree; (2) to provide students in the Level 1 Class who may have no prior knowledge of the subject, with a good general knowledge of the Western tradition of art and world cultures represented by the periods and themes discussed and with a basis for the extension and development of this knowledge at more advanced levels; (3) to foster transferable skills, for example, time-management; problem-solving; observation and visual analysis; independent learning; presentation and communication (oral and written); (4) to provide a basic foundation in selected areas of History of Art, which will enhance students' appreciation and understanding of major aspects of the material heritage of Western and world cultures.

*Course Co-ordinator:* Dr John Richards

## **OXTU HISTORY OF ART 1 (HALF COURSE)**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures from 3.00 pm-4.00 pm on Mondays, Tuesdays & Thursdays; Seminars: one a week at times to be arranged

*Requirements of entry:* Acceptance to Glasgow University

*Assessment:* Degree examination (50%); continuous assessment (50%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) to provide an initiation course for those who wish to study the History of Art within the context of an interdisciplinary degree; (2) to provide students in the Level 1 Class who may have no prior knowledge of the subject, with a good general knowledge of the Western tradition of art and world cultures represented by the periods and themes discussed and with a basis for the extension and development of this knowledge at more advanced levels; (3) to foster transferable skills, for example, time-management; problem-solving; observation and visual analysis; independent learning; presentation and communication (oral and written); (4) to provide a basic foundation in selected areas of History of Art, which will enhance students' appreciation of major aspects of the material heritage of Western and world cultures.

*Course Co-ordinator:* Dr John Richards

## **7FKV HISTORY OF ART 2**

*Credits:* 40

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Lectures 1.00 pm-2.00 pm Mondays, Tuesdays, Wednesdays, Thursdays. Irregular Seminars at times to be arranged

*Requirements of entry:* Entry to Level 2 is secured by achievement of at least a D grade [minimum 50%] at either the first or second sitting of the Degree Examinations in Level 1 History of Art OR 40 credits worth of DACE courses in History of Art at grade D at least may give access to History of Art Level 2 if the Department of History of Art judges that the combination of courses offered in a particular case for access to Level 2 is appropriately spread. Of the two following DACE courses, only one may count in this respect: Cathedral Building in Medieval France and Britain; Gothic Architecture of the 12th & 13th Centuries.

*Excluded Courses:* History of Art 2 (half course)

*Assessment:* 50% of the marks are given for the degree examinations and 50% for course work

*Degree Examination taken in:* December and April/May

*Resit Examination taken in:* August/September

*Aims:* The course has the following aims: [1] to provide a Level-2 course for those who wish to study the history of art within the context of an interdisciplinary degree; [2] to enable students to extend and develop the basic knowledge of the discipline gained in the Level-1 course [or equivalent] by introducing them to a number of themes and areas not previously encountered; [3] to encourage a critical awareness of the discipline by introducing students to some of the issues of methodology, historiography and context which are particularly associated with these areas of study; [4] to provide students with the opportunity of developing further such transferable skills as time-management, problem-identification & problem-solving, visual skills, independent learning, written presentation and, where appropriate, computer and web-based skills; [5] to prepare students intending to take the Honours Degree by introducing them to the kind of closely focused analysis which they may be expected to encounter in their 3rd and 4th years of study.

*Course Co-ordinator:* Ms Juliet Kinchin

## **9UVV HISTORY OF ART 2 (HALF COURSE)**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures 1.00 pm - 2.00 pm Mondays, Tuesdays, Wednesdays, Thursdays (Semester 1 OR Semester 2) or 7.00-9.00pm on Tuesdays & Thursdays (Semester 1 only). Irregular seminars at times to be arranged.

*Requirements of entry:* Entry to Level 2 is secured by achievement of at least a D grade [minimum 50%] at either the first or second sitting of the Degree Examinations in Level-1 History of Art OR 40 credits worth of DACE courses in History of Art at grade D at least may give access to History of Art Level-2 if the Department of History of Art judges that the combination of courses offered in a particular case for access to Level-2 is appropriately spread. Of the two following DACE courses, only one may count in this respect: Cathedral Building

in Medieval France and Britain; Gothic Architecture of the 12th & 13th Centuries.

*Excluded Courses:* History of Art 2

*Assessment:* 50% of the marks are given for the degree examination and 50% for course work

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course has the following aims: [1] to provide a Level-2 course for those who wish to study the history of art within the context of an interdisciplinary degree; [2] to enable students to extend and develop the basic knowledge of the discipline gained in the Level-1 course [or equivalent] by introducing them to a number of themes and areas not previously encountered; [3] to encourage a critical awareness of the discipline by introducing students to some of the issues of methodology, historiography and context which are particularly associated with these areas of study; [4] to provide students with the opportunity of developing further such transferable skills as time-management, problem-identification & problem-solving, visual skills, independent learning, written presentation and, where appropriate, computer and web-based skills; [5] to prepare students intending to take the Honours Degree by introducing them to the kind of closely focused analysis which they may be expected to encounter in their 3rd and 4th years of study.

*Course Co-ordinator:* Ms Juliet Kinchin

## 8CBV HISTORY OF ART 2 (HALF COURSE)

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures 1.00 pm - 2.00 pm Mondays, Tuesdays, Wednesdays, Thursdays (Semester 1 OR Semester 2) or 7.00-9.00pm on Tuesdays & Thursdays (Semester 1 only). Irregular seminars at times to be arranged.

*Requirements of entry:* Entry To Level-2 is secured by achievement of at least a D grade [minimum 50%] at either the first or second sitting of the Degree Examinations in Level-1 History of Art OR 40 credits worth of DACE courses in History of Art at grade D at least may give access to History of Art Level-2 if the Department of History of Art judges that the combination of courses offered in a particular case for access to Level-2 is appropriately spread. Of the two following DACE courses, only one may count in this respect: Cathedral Building in Medieval France and Britain; Gothic Architecture of the 12th & 13th Centuries.

*Excluded Courses:* History of Art 2

*Assessment:* 50% of the marks are given for the degree examination and 50% for course work

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The course has the following aims: [1] to provide a Level-2 course for those who wish to study the history of art within the context of an interdisciplinary degree; [2] to enable students to extend and develop the basic knowledge of the discipline gained in the Level-1

course [or equivalent] by introducing them to a number of themes and areas not previously encountered; [3] to encourage a critical awareness of the discipline by introducing students to some of the issues of methodology, historiography and context which are particularly associated with these areas of study; [4] to provide students with the opportunity of developing further such transferable skills as time-management, problem-identification & problem-solving, visual skills, independent learning, written presentation and, where appropriate, computer and web-based skills; [5] to prepare students intending to take the Honours Degree by introducing them to the kind of closely focused analysis which they may be expected to encounter in their 3rd and 4th years of study.

*Course Co-ordinator:* Ms Juliet Kinchin

## JASF HISTORY OF ART JOINT JUNIOR HONOURS

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Joint Honours 3 x 20 hours seminars and lectures + 5 hours tutorials/seminars for dissertation support. Class meeting times to be determined, but will normally be scheduled at times between 9.00 am-6.00 pm inclusive every week-day in semester time (exact details of timetable available from Department).

*Requirements of entry:* C+ (14) or higher at the first sitting of the Level-2 7FKV or through completion of two of the four Level-2 courses 8CAV, 8CCV, 9UVV and 8CBV at Grade Band C+ (14).

*Co-requisites:* Students must take: Historiography of Art History Junior Honours core course (or the equivalent at an overseas university under the Junior Honours Year Abroad Scheme), plus 60 credits composed of Junior Honours courses taught by another department with which Joint Honours combination is approved by the Faculty. One pre 1800 option must be taken either at Junior or Senior Honours in Art History.

*Excluded Courses:* At least one option at either Level 3 (Junior Honours) or Level 4 (Senior Honours) must be from a period before 1800, and one from the period after 1800. One core course ('Historiography of Art History' or 'Methodology of Art History') must normally be taken as part of the 3H Programme).

*Assessment:* 'Historiography of Art History' or 'Methodology of Art History' core course (20 credits) - 1 x 2-3,000 continuously assessed essay (50%) plus an essay written under examination conditions (50%); each taught option (20 credits) - 1 x 2,000 word continuously assessed essay (30%) plus 1 x 2hour degree examination (60%) plus either an oral presentation or a visual test (10%). In addition students write a dissertation of 8-10,000 words (20 credits) submitted in the Senior Honours year.

*Aims:* \* To enable the acquisition of a range of subject-specific knowledge and intellectual skills appropriate to progression from Level-2 to Senior Honours in History of Art, through a programme of two core and four optional courses (one core and two optional courses for Joint Hons); \* to offer a range of distinctive and stimulating opportunities for study of topics informed by

staff research expertise, and where relevant involving first hand study of art works in local collections, or of examples of local architecture. \* to foster advanced 'key skills' such as independent learning; gathering and evaluation of information from written and visual sources; formulation of concepts and hypotheses; problem solving; written and oral presentation of reasoned critical arguments; and time management, that may be an advantage in a variety of employment or in further study.

*Honours Course Prescription:* Dissertation, if taken in History of Art (submitted in Senior Honours), compulsory core course on 'Historiography of Art History' or (by special arrangement) 'Methodology of Art History', plus two taught options from:

(i) Italian Art 1200-1290 (ii) Albrecht Durer: from Germany to Italy and back again (iii) Caravaggio: the man who came to destroy painting (iv) Architecture and Design in Regency Britain (v) Women, Art and Audience 1830-1914 (vi) Artists and the Art Market in Late 19th-century Britain (vii) German Art in the Era of the Cold War (viii) Photography and Modernism: Readings in Twentieth Century Photography 1900-1970 (ix) Methodology of Art History (x) To be determined (xi) To be determined Not all options will necessarily be offered each year-check with Department.

*Course Co-ordinator:* Dr Sally Rush

## JARH HISTORY OF ART SINGLE JUNIOR HONOURS

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 6 x 20 hours seminars and lectures + 5 hours tutorials/seminars for dissertation support. Class meeting times to be determined, but will normally be scheduled at times between 9.00 am-6.00 pm inclusive every week-day in semester time (exact details of timetable available from Department).

*Requirements of entry:* C+ (14) or higher at the first sitting of the Level-2 7FKV or through completion of two of the four Level-2 courses 8CAV, 8CCV, 9UVV and 8CBV at Grade Band C+ (14).

*Co-requisites:* Students must take: 'Historiography' and 'Methodology' Junior Honours core courses and one pre 1800 option must be taken at either Junior or Senior Honours.

*Excluded Courses:* At least one option at either Junior or Senior Honours must be from a period before 1800, and one from the period after 1800. The two 'Core Courses' on 'Historiography of Art History' and 'Methodology of Art History', or the equivalent of one of these on the 'Junior Honours Year Abroad' Scheme, must be taken as part of the 3H programme. (Junior Honours Year Abroad students must receive approval from the Department of their intended programme of study at 3H, and may be required to take 'Historiography of Art History' and 'Methodology of Art History' at 4H in lieu of such courses abroad at 3H).

*Assessment:* 'Historiography of Art History' core course (20 credits) - 1 x 2-3,000 word continuously assessed essay (50%) plus an essay written under examination conditions (50%); 'Methodology of Art History' core course (20 credits) 1 x 2-3,000 word continuously assessed essay

(50%) plus an essay written under examination conditions (50%); each taught option (20 credits) - 1 x 2,000 word essay worth 30% plus 1 x 2 hour Degree Examination worth 60%; and either an oral presentation or visual test, worth 10%. In addition, students write a dissertation of 8-10,000 words (40 credits), submitted in the Senior Honours year.

*Degree Examination taken in:* April/May

*Aims:* \* To enable the acquisition of a range of subject-specific knowledge and intellectual skills appropriate to progression from Level-2 to Senior Honours in History of Art, through a programme of two core and four optional courses (one core and two optional courses for Joint Hons); \* to offer a range of distinctive and stimulating opportunities for study of topics informed by staff research expertise, and where relevant involving first hand study of art works in local collections, or of examples of local architecture. \* to foster advanced 'key skills' such as independent learning; gathering and evaluation of information from written and visual sources; formulation of concepts and hypotheses; problem solving; written and oral presentation of reasoned critical arguments; and time management, that may be an advantage in a variety of employment or in further study.

*Honours Course Prescription:* Dissertation (submitted in Senior Honours), compulsory core courses on 'Historiography of Art History' and 'Methodology of Art History', plus four taught options from:

(i) Italian Art 1200-1290 (ii) Albrecht Durer: from Germany to Italy and back again (iii) Caravaggio: the man who came to destroy painting (iv) Architecture and Design in Regency Britain (v) Women, Art and Audience 1830-1914 (vi) Artists and the Art Market in Late 19th-century Britain (vii) German Art in the Era of the Cold War (viii) Photography and Modernism: Readings in Twentieth Century Photography 1900-1970 (ix) To be determined (x) To be determined Not all options will necessarily be offered each year-check with Department.

*Course Co-ordinator:* Dr Sally Rush

## KJUG HISTORY OF ART 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 1 x 40 hours seminars and lectures + 5 hours tutorials for dissertation. Class meeting times to be determined, but will normally be scheduled at times between 9.00 am-6.00 pm inclusive every week-day in semester time (exact details of timetable available from Department).

*Requirements of entry:* C1 in History of Art Level-2 or higher in the first sitting of the Level 2 7FKV or through completion of two of the four Level 2 courses: 8CAV, 8CCV, 9UVV and 8CBV at grade band C1 or higher

*Excluded Courses:* At least one option at either Junior or Senior Honours must be from a period before 1800, and one from the period after 1800. Either the 'Historiography of Art History' or the 'Methodology of Art History' core course or its equivalent on a Junior Honours Year Abroad course must normally have been taken at Junior Honours (Level 3).

*Assessment:* Taught option (40 credits) - 1 x 3 hour Degree Examination worth 60%; 2 x 3,000 word Essays worth 30%; one Oral Presentation or equivalent assignment worth 10% of the option total. The dissertation of 8-10,000 words, if done in History of Art (20 credits; begun in Junior Honours), is assessed in May.

*Degree Examination taken in:* April/May

*Aims:* \* to provide for the acquisition of a range of advanced subject-specific and intellectual skills appropriate to progression either to taught or research postgraduate courses, through a programme of optional courses and a compulsory dissertation; \* to offer a range of distinctive and stimulating opportunities, including use of specialist collections in galleries and archives, and study of examples of architecture, sculpture, mural painting, applied art etc, of topics directly related to the research interests of individual staff \* to foster greater analytical, methodological, and theoretical sophistication in the handling of topics, ideas and 'problems' in art history than that required at Junior Honours level; \* to foster, through study of art history at this level, a range of advanced 'key skills' of relevance to a variety of employment opportunities.

*Honours Course Prescription:* Dissertation plus one taught option from:

(i) Monsters, Women & Jews: Medieval Art and Identity (ii) Early Impressionism; (iii) All Change: Sculpture in Britain 1860-1920 (subject to Faculty Approval) (iv) A 20th-century option (title not yet available); (v) To be determined (vi) Introduction to Multi-Media Analysis and Presentation.

The dissertation (see 3H (Joint) above; 8-10,000 words; 20 credits) is submitted in the Senior Honours year.

*Course Co-ordinator:* Dr Clare Willson

## KJVJ HISTORY OF ART 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* 2 x 40 hours seminars and lectures + 5 hours tutorials for dissertation. Class meeting times to be determined, but will normally be scheduled at times between 9.00 am-6.00 pm inclusive every week-day in semester time (exact details of timetable available from Department).

*Requirements of entry:* C1 in History of Art Level-2 or higher in the first sitting of the Level 2 7FKV or through completion of two of the four Level 2 courses: 8CAV, 8CCV, 9UVV and 8CBV at grade band C1 or higher

*Excluded Courses:* At least one option at either Junior or Senior Honours must be from a period before 1800, and one from the period after 1800. The 'Historiography of Art History' and 'Methodology of Art History' core courses or their equivalent on a Junior Honours Year Abroad course must normally have been taken at Junior Honours (Level 3).

*Assessment:* Two taught options (each 40 credits) - each option has 1 x 3 hour Degree Examination worth 60%; 2 x 3,000 word Essays worth 30%; one Oral Presentation or equivalent assignment worth 10% of the option total. The dissertation of 8-10,000 words (40 credits; begun in Junior Honours) is assessed in May.

*Degree Examination taken in:* April/May

*Aims:* \* To provide for the acquisition of a range of advanced subject-specific and intellectual skills appropriate to progression either to taught or research postgraduate courses, through a programme of optional courses and a compulsory dissertation; \* to offer a range of distinctive and stimulating opportunities, including use of specialist collections in galleries and archives, and study of examples of architecture, sculpture, mural painting, applied art etc, of topics directly related to the research interests of individual staff \* to foster greater analytical, methodological, and theoretical sophistication in the handling of topics, ideas and 'problems' in art history than that required at Junior Honours level; \* to foster, through study of art history at this level, a range of advanced 'key skills' of relevance to a variety of employment opportunities.

*Honours Course Prescription:* Dissertation plus two taught options from:

(i) Monsters, Women and Jews: Medieval Art and Identity (ii) Early Impressionism (iii) All Change: Sculpture in Britain 1860-1920 (subject to Faculty approval) (iv) A 20th-century option (title not yet available) (v) To be determined (vi) Introduction to Multi-Media Analysis and Presentation.

The dissertation (see 3H (Single) above; 8-10,000 words; 40 credits) is submitted in the Senior Honours year.

*Course Co-ordinator:* Dr Clare Willson

## Humanities Advanced Technology & Information Institute

### JNWU ARTS & MEDIA INFORMATICS 1A

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Two 1-hour lectures (2.00 - 3.00 pm, Monday and Thursday) and two 1-hour workshops per week (2.00 - 3.00 pm, Tuesday and Friday).

*Excluded Courses:* Normally, no credit can be given for both this course and any Computing Science Level 1 course.

*Assessment:* Assessed coursework consists of one practical or essay-based project (50%) and one two-hour exam (40%); a further 10% of the mark is assigned for participation and contribution in practical sessions and classes.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To introduce students to a wide range of computing concepts and humanities applications; to examine how computers have been applied in a variety of humanities disciplines and the impact of their use on the development of the disciplines themselves; to examine the social and educational impact of the information technology revolution and to provide students with transferable computing skills in a wide range of application areas.

*Course Co-ordinator:* Ms Ann Gow

**JNXU ARTS & MEDIA INFORMATICS  
1B***Credits:* 20*Level:* 1*When Taught:* Semester 2 (January - March)*Timetable:* Two 1-hour lectures (2.00 - 3.00 pm, Monday and Thursday) and two 1-hour workshops per week (2.00 - 3.00 pm, Tuesday and Friday).*Requirements of entry:* Normally, Arts & Media Informatics 1A at D or above.*Excluded Courses:* Normally, no credit can be given for this course and any Computing Science Level 1 course.*Assessment:* Assessed coursework consists of one practical or essay-based project (50%) and one two-hour exam (40%); a further 10% of the mark is assigned for participation and contribution in practical sessions and classes.*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September*Aims:* To introduce students to a wide range of computing concepts and humanities applications; to examine how computers have been applied in a variety of humanities disciplines and the impact of their use on the development of the disciplines themselves; to examine the social and educational impact of the information technology revolution and to provide students with transferable computing skills in a wide range of application areas.*Course Co-ordinator:* Ms Ann Gow

disciplines; provide students with transferable computing and project management skills in a wide range of application areas.

*Course Co-ordinator:* Mr Stephen Woodruff**JNZV ARTS & MEDIA INFORMATICS  
2B***Credits:* 20*Level:* 2*When Taught:* Semester 2 (January - March)*Timetable:* Two 1-hour lectures (11.00-12.00, Tuesday and Thursday) and two 1-hour workshops per week (11.00-12.00, Wednesday and Friday)*Requirements of entry:* University of Glasgow Arts & Media Informatics 2A or equivalent*Excluded Courses:* Credit can not be received both for this course and for any similar level course in the Department of Computing Science.*Assessment:* Assessed coursework consists of a practical or essay-based project (40%) and one two-hour exam (50%); a further 10% of the mark is assigned for participation and contribution in practical sessions and classes.*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September*Aims:* To further examine a range of humanities computing issues and applications in greater depth; introduce new issues and applications of humanities computing develop an understanding of widely accepted standards and best practice in humanities computing and information management; encourage students to evaluate critically the benefits and shortcomings of using computers in their particular humanities disciplines; provide students with transferable computing and project management skills in a wide range of application areas.*Course Co-ordinator:* Mr Stephen Woodruff**JNYV ARTS & MEDIA INFORMATICS  
2A***Credits:* 20*Level:* 2*When Taught:* Semester 1 (September - December)*Timetable:* Two 1-hour lectures (11.00-12.00, Tuesday and Thursday) and two 1-hour workshops per week (11.00-12.00, Wednesday and Friday)*Requirements of entry:* A grade D in (University of Glasgow) Arts & Media Informatics 1A and 1B or equivalent.*Excluded Courses:* Credit can not be received both for this course and for any similar level course in the Department of Computing Science.*Assessment:* Assessed coursework consists of a practical or essay-based project (40%) and one two-hour exam (50%); a further 10% of the mark is assigned for participation and contribution in practical sessions and classes.*Degree Examination taken in:* December*Resit Examination taken in:* August/September*Aims:* To examine a range of humanities computing issues and applications in greater depth than that covered by the Arts and Media Informatics Level One courses; introduce new issues and applications of humanities computing, give students an understanding of widely accepted standards and best practice in humanities computing and information management; encourage students to evaluate critically the benefits and shortcomings of using computers in their particular humanities**9RZF ARTS AND MEDIA  
INFORMATICS 3H (JOINT)***Credits:* 60*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* There is no specific class hour. Please consult individual course information for days and times.*Requirements of entry:* Honours entry: Successful completion of four Humanities Computing courses, 1A, 1B, 2A and 2B or equivalent and normally an average C grade, calculated on the numerical scale over the two level 2 courses. The average will normally be calculated on the first sitting of an examination or the first submission of an essay.*Assessment:* A student's progress in each course is assessed by a combination of either a multimedia essay (100%) or a practical project (60%) and a final examination (40%).*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September*Aims:* The main educational aims of the Arts and Media Informatics (Hons) programme are to develop a critical understanding of how information technology is applied

in the academic and heritage sector: within disciplines in universities, and within libraries, archives, and museums; to offer a range of opportunities and contexts for students to develop the essential skills of analysis, research presentation and communication, as well as IT skills and learning how to exercise their initiative in attempting to understand how new technology is used to enhance our analysis, reception and judgement of texts. The courses will be taught through a combination of lectures and seminars, practicals and visits. The overall emphasis will be on: (a) the development of an appreciation of the issues involved in the application Information Communication Technology (ICT) to the academic and heritage sector; and (b) the acquisition of the knowledge to apply the ICT skills within this setting.

*Honours Course Prescription:* Core courses: Cultural Heritage Informatics (Semester One) Optional courses: Document Encoding (Semester Two); 2-D Digitisation: Theory and Practice (Semester Two); Investigating Cyberspace: Communities and Cultures on the Net (Semester Two)

*Course Co-ordinator:* Dr Ian Anderson

## **2RAW CONSCIOUSNESS AND COGNITION**

*Credits:* 30

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* The course will run three days a week, two lectures and a seminar. Proposed class hour: 4pm

*Requirements of entry:* The entry requirements are one D pass in a level 2 course taken from the core. Relevant level 2 courses have to be from the following group: Philosophy, Politics, Theology and Religious Studies, Psychology, Education, (Jurisprudence is only Level 1).

*Co-requisites:* None.

*Excluded Courses:* This course is intended for Level 3 students who are completing the three year degree, and in particular it is aimed at those students who need it as part of their qualifying requirement for the MA (Philosophical Studies).

*Assessment:* The course is continuously assessed and consists of an essay (25%), devising a web page (25%), seminar contribution (20%), and an examination (30%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To develop understanding of the rich domain of enquiry surrounding consciousness studies. To learn to engage critically with an exciting and current interdisciplinary area. To be open to different influences as means to understanding a subject more fully. To discover that no single perspective can offer a definitive explanation for complex phenomena, but that together they can be instructive in moving our knowledge of a subject matter forward.

*Course Co-ordinator:* Dr Susan Stuart

## **2RFW SPACE, CYBERSPACE AND THE SELF**

*Credits:* 30

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* The class will meet three times a week (Mondays, Tuesdays and Thursdays) at 1pm - two lectures and one seminar. There might be additional film screening times, but these will be arranged when the class meets.

*Requirements of entry:* The entry requirements are one D pass in a level 2 course taken from the core. Relevant level 2 courses have to be from the following group: Film and Television, Music, Theatre Studies, History of Art, and Philosophy.

*Excluded Courses:* Normally all Honours level courses will be excluded combinations with this course.

*Assessment:* The entry requirements are one D pass in a Level 2 module taken from the core. The course work consists of an essay (25%), an examination (30%), designing and implementing a web page (25%), and seminar contribution (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To develop an understanding of issues surrounding the notions of space and time as employed in philosophy, the media, and literature. To learn to engage critically with an exciting interdisciplinary area. To be open to different influences as a means of understanding a subject more fully. To understand that no single perspective offers a definitive explanation for these complex phenomena, but that together they can be instructive in moving our knowledge of the subject matter forward.

*Course Co-ordinator:* Dr Susan Stuart

## **9RZG ARTS AND MEDIA INFORMATICS 4H**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* There is no specific class hour. Please consult individual course information for days and times.

*Requirements of entry:* D/Third pass in two 3H Arts and Media Informatics courses

*Assessment:* A student's progress in each course is assessed by a combination of either a multimedia essay (100%) or a practical project (60%) and a final examination (40%).

*Degree Examination taken in:* April/May

*Aims:* The main educational aims of the Arts and Media Informatics (Hons) programme are to develop a critical understanding of how information technology is applied in the academic and heritage sector: within disciplines in universities, and within libraries, archives, and museums; to offer a range of opportunities and contexts for students to develop the essential skills of analysis, research presentation and communication, as well as IT skills and learning how to exercise their initiative in attempting to understand how new technology is used to enhance our analysis, reception and judgement of texts. The courses will be taught through a combination of lectures and seminars, practicals and visits. The overall emphasis will be on: (a) the development of an appreciation of the issues involved in the application Information Communication Technology (ICT) to the academic and

heritage sector; and (b) the acquisition of the knowledge to apply the ICT skills within this setting.

*Honours Course Prescription:* Core courses: Multimedia Analysis and Design (Semester One) Optional courses: Document Encoding (Semester Two); 2-D Digitisation: Theory and Practice (Semester Two); Investigating Cyberspace: Communities and Cultures on the Net (Semester Two)

*Course Co-ordinator:* Dr Ian Anderson

## Immunology, Infection & Inflammation

### 550H IMMUNOLOGY 3H

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Term 1: 1 hour lectures daily, Weeks 1-2; thereafter, 3-hour blocks of lecture teaching on Monday, Thursday and Friday mornings Weeks 3-10; practicals on Monday afternoon Weeks 1-6; practical classes all day Tuesdays and Wednesdays + Thursday mornings Weeks 7-10. 2-hour tutorials Thursday afternoons Weeks 1-10. Term 2: Daily 1- 1.5 hr lectures plus practicals on Tuesday morning, and Wednesdays + Thursdays all day. 2-hour tutorials Tuesday mornings.

*Requirements of entry:* Normally, at least 60 credits at grade D or above in Biology courses above Level-1 including: Immunology 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

*Assessment:* Degree examination papers (60%), coursework assessment (40%), oral examination.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide: knowledge, understanding and skills necessary for an immunological career. Transferable skills useful in other fields and in everyday life. Cultural enrichment that will add to quality of life.

*Course Co-ordinator:* Dr J Gracie

### 550J IMMUNOLOGY 4H

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Semester 1 specialist topic sessions (2.00pm-5.00 pm) twice weekly with student presentations of published papers. October-February: Supervised research project (3 days/week). Dissertation (Semester 2). Reading party (Semester 1).

*Requirements of entry:* Immunology 3H at Grade D or better

*Assessment:* Degree examination credits as follows: project (20%); written papers (44%) (3 papers); dissertation (8%); problem solving (8%), carry over from Level 3 (20%).

*Degree Examination taken in:* April/May

*Aims:* To provide insight into the latest developments in immunology, and to provide training in scientific thought and research.

*Honours Course Prescription:* Immunoglobulins; MHC; antigen processing and presentation; receptor signalling; transgenic and K.O. gene technology; effector functions of lymphocytes; tolerance; cytokines; mucosal immunology; autoimmunity; transplantation; phagocytes; immunity to bacteria; viral and parasitic diseases; immunodeficiency. Some of these are run by visiting specialists from other universities. Laboratory projects and dissertations.

*Course Co-ordinator:* Mr Robert Nibbs

## Italian

Please see the entries for the School of Modern Languages & Cultures, page 189.

## Management

### JRAU BUSINESS AND MANAGEMENT 1A: PEOPLE AT WORK

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Course lectures take place three times per week, Tuesdays, Wednesdays and Thursdays from 4-5pm. Tutorial sessions held fortnightly from weeks 3-11 at various times convenient to the students.

*Requirements of entry:* None

*Co-requisites:* Should be taken with B&M 1B (KUSU) to ensure potential progression to Honours.

*Excluded Courses:* 7KLU Business and Management 1A: Individual and Group Behaviour in Organisations

*Assessment:* 2 class tests (2 x 10% weighting), a 2,000 word essay assignment (30% weighting) and a 1 ½ hour end of course examination.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* People at Work aims to provide an introduction to the study of organizational behaviour for students with little or no previous social science knowledge. Students can expect to consider organizational behaviour from the perspectives of research and practice in psychology, sociology, management and business. Individual and group behaviours and their influence on organizational performance and success will be the key area of consideration. As such, key topics for examination and analysis will be the effects and impacts of learning, personality, communication, perception and motivation on individual and group behaviours in the organizational setting. The course offers students the opportunity to develop skills in interpersonal communication, written communication, presentations, problem-solving and use of information technology.

*Course Co-ordinator:* Ms Sheena Bell

## **KUSU BUSINESS AND MANAGEMENT LEVEL 1B: MARKETING**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Course lectures take place three times per week on Tuesdays, Wednesdays and Thursdays from 4-5pm. Tutorial sessions are held fortnightly from at various times convenient to the students.

*Requirements of entry:* Normally students would have been expected to have taken Business & Management 1A: People At Work (JRAU)

*Co-requisites:* Should be taken with Business & Management 1A (JRAU) to ensure potential progression to honours.

*Excluded Courses:* JRCU Business and Management 1B: Organisations and Management

*Assessment:* A 2000 word essay assignment and a 2 hour examination.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course aims to introduce the core concepts of marketing and strategic analysis providing foundations for further study of advanced marketing and strategy modules. The aim is to enhance the development of analytical skills by making clear connections between theory and management practice using contemporary examples and applications. The course begins with an induction to marketing concept and a review of fundamentals of competitive analysis including customer/industrial buyer behaviour, segmentation, competitor analysis and marketing research. The second part of the course considers marketing strategies including the concepts of positioning, targeting and marketing mix decisions. The final part examines topical issues in modern marketing such as international marketing, digital marketing or service marketing.

*Course Co-ordinator:* Ms Sheena Bell

## **8USU ENTREPRENEURSHIP 1A: ENTREPRENEURSHIP AND INNOVATION**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Mondays, 1.00pm -2.00 pm (venue to be announced); Wednesdays, 12.00noon - 1.00 pm (venue to be announced); Thursdays, 12.00noon - 1.00 pm (venue to be announced).

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* Professional Studies for Engineers and Managing Innovation (14A) 3RYX Professional Studies 4 (Engineering) 9GXU Managing Innovation (14A)

*Assessment:* 50% Assignment 50% Exam

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The course is designed to help students become aware of the future needs of corporate bodies for em-

ployees capable of developing new skills and techniques to assist their changing requirements and for individual professional self-development. It emphasises the need for entrepreneurial and innovation skills. A focus of the course will be on practical innovation within the corporate environment, including both the commercial, public sector and non commercial organisations. This course is designed to introduce the concepts of business growth and entrepreneurial planning. The course is also designed to introduce students to the issues crucial to the development of an innovative managerial culture. The course will draw on the growing body of research and literature related to the development of an innovative culture.

*Course Co-ordinator:* Ms Sheena Bell

## **8UUU ENTREPRENEURSHIP 1B: ENTREPRENEURSHIP AND NEW BUSINESS**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Mondays 1.00-2.00 p.m., (Venue to be announced); Wednesdays, 12.00-1.00 p.m., (Venue to be announced); Thursdays, 12.00-1.00 p.m., (Venue to be announced)

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* 9GZU Business Planning for Scientists 1 (15B)

*Assessment:* 50% Project, 50% Exam.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is designed to introduce the concepts of business growth and entrepreneurial planning through the use of the business plan. The course is also designed to introduce students to the issues crucial to the development of smaller firms, the role and personality of the entrepreneur and the entrepreneurial team, and the relationship of the smaller firm to its environment. It will also include the main functional areas of Business, Marketing, Operations, Finance and Organisation. The course will draw on the growing body of research and literature related to the development of smaller companies.

*Course Co-ordinator:* Ms Sheena Bell

## **9UUU MANAGEMENT 1 (B.ACC)**

*Credits:* 15

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Monday and Wednesday 9-10 am.

*Requirements of entry:* 1st year compulsory course

*Assessment:* Exam - 1  $\frac{1}{2}$  hour (75%); essay (25%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students to the multidisciplinary nature of modern management and to develop an initial



sense of the major functions that contribute to competitive performance. By studying elements of strategy, marketing, operations management and organisational behaviour, participants will gain a sense of how accountants interact with other groupings within organisations.

*Course Co-ordinator:* Dr Shameen Prashantham

### **3MHU MANAGERIAL & ORGANISATIONAL CONTEXT E1**

*Credits:* 10

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Wednesday, Thursday 10.00-11.00am, Semester 2

*Requirements of entry:* Service class for engineering

*Assessment:* Students must attend 3 class tests, each worth 25% of the final course mark. In addition, they must submit a 1,500 word assignment

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The applications of scientific research and theory are all around us. We see them in the cars we drive, the computers we use, the video and audio equipment we watch and listen to, the drugs we take when ill. The applications of social science tend to be less visible and most people would find it difficult to point to these. The aim of this course is to show how the research and theories of psychology, social psychology, sociology and politics have been applied by managers and management consultants in the form of techniques and approaches. It will demonstrate how, as future organisation members, students can use such knowledge to become more effective themselves, and to increase the effectiveness of others.

*Course Co-ordinator:* Dr Andrzej Huczynski

### **KUVV BUSINESS & MANAGEMENT LEVEL 2B: ORGANIZATIONS & MANAGEMENT**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Course lectures are held four times per week, Tuesdays, Wednesdays, Thursdays and Fridays from 2-3pm. Tutorial sessions are held fortnightly at various times convenient to the students.

*Requirements of entry:* Business and Management Level 1A and 1B at Grade D or better attained at either the first sitting or the first resit attempt and normally within one year of study. Second year students without Business and Management 1A and/or 1B but with Level 1 Social Science subject at grade C or better may be admitted to a maximum of one level 2 course where spaces are available.

*Co-requisites:* Should be taken with B&M Level 2A (KUVV) to ensure potential progression to Honours

*Assessment:* A 2500 word essay assignment and a 2 hour examination.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aim of this course is to examine the influence of an organization's structures, processes and management on individual and group behaviour. It does so by reviewing competing theories and perspectives, encouraging students to reflect critically upon arguments, interpretations and assertions made by different writers. This theoretical base is examined from an historical perspective regarding organisational structure and work design. This leads on to a consideration of organisational processes such as development, change, culture and human resource management. The final part of the course examines organisational management, including leadership, decision-making, conflict, power and politics within organisations. The teaching, learning and assessment approaches offers students the opportunity to develop skills in interpersonal communication, written and oral communication, critical thinking, learning to learn and reflection.

*Course Co-ordinator:* Ms Sheena Bell

### **KUVV BUSINESS AND MANAGEMENT LEVEL 2A OPERATIONS & FINANCIAL DECISION MANAGEMENT**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Course lectures take place four times per week, Tuesdays, Wednesdays, Thursdays and Fridays from 2-3pm. Tutorial sessions are held weekly from weeks 3-11 at various times convenient to the students. These tutorials will be a mixture of between one and two hours long.

*Requirements of entry:* Business and Management Level 1A and 1B at Grade D or better attained at either the first sitting or the first resit attempt and normally within one year of study. Second year students without Business and Management 1A and/or 1B but with Level 1 Law, Business & Social Science subject at grade C or better may be admitted to a maximum of one level 2 course where spaces are available.

*Co-requisites:* Should be taken with B&M Level 2B (KUVV) to ensure potential progression to Honours

*Assessment:* The main forms of assessment are a 2500 word essay assignment and a 1½ hour examination. In addition 10% of the final mark will be based on financial exercises submitted during tutorial sessions. Four financial exercises (or homeworks) will be submitted and the best two will contribute to the final grade for the course.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To introduce core areas of operations and financial management, giving attention to the application of key concepts. The course examines key aspects of decision management from two different perspectives: operations and finance. The course covers such topics as production planning, forecasting, quality management, project management, financial accounting, management accounting and financial management. The course begins with an introduction to operations management giving consideration to the strategic significance of planning, quality control and forecasting. The second part

of the course focuses on finance matters, examining the concepts of accounting statements and techniques for external reporting and internal usage, and the sourcing and usage of finance in the enterprise.

*Course Co-ordinator:* Ms Sheena Bell

### **89FB BUSINESS & MANAGEMENT 3: CASES IN OPERATIONS MANAGEMENT**

*Credits:* 15 *Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* one 2 hour session a week

*Requirements of entry:* Students should achieve a minimum of a 'D' grade in all level 2 Business & Management courses. This course is only available to Faculty of Law, Business and Social Science students.

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* One two-hour exam. Topic-based questions with answers to draw on case studies that were provided for illustrative purposes during the course.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course will involve the study of generic principles involved in, and the detailed decisions to be made in, the design of appropriate operating systems. These principles and decisions will be reviewed in the context of various demand scenarios. The course will therefore involve consideration of the relationship of operating systems to the market in which an organisation operates, and in studying the resources required will also relate to human resource development aspects. Underpinning the course will be the need for organisational effectiveness and efficiency, linking operations to the financial aspects of business and management. A holistic view will thus be taken.

*Course Co-ordinator:* Dr Geoffrey Southern

### **89YJ BUSINESS & MANAGEMENT 3: MANAGING COMPLEX CHANGE**

*Credits:* 15 *Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* one lecture 2 hours a week

*Requirements of entry:* Students should achieve a minimum of a "D" grade in all level 2 Business and Management courses. This course is only available to Faculty of Law, Business and Social Science students.

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* Students will be required to select an organisation of their choice and examine its approach to managing change. They will be expected to compare practice with selected theoretical models and explain which models would best suit the change situation in question.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims to explore, from both an operational and tactical perspective, the context, nature and accomplishment of change in complex situations. It will accomplish this by addressing issues and processes associated with defining the nature and scope of change events and situations; examining vehicles capable of managing both processes and cultural change; and the managerial and organisational competencies associated with successful change management. The course will provide appropriate frameworks and concepts, explore the nature and context of change, examine alternative change management approaches and philosophies and examine how best to implement predetermined change strategies

*Course Co-ordinator:* Prof Robert Paton

### **0QKW BUSINESS & MANAGEMENT 3: PROJECT MANAGEMENT**

*Credits:* 15 *Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Term 1, Friday 1.00 - 3.00 p.m.

*Requirements of entry:* Students should achieve a minimum of a "D" grade in all level 2 Business and Management courses. This course is only available to Faculty of Law, Business & Social Science students.

*Co-requisites:* None

*Excluded Courses:* 89YH Business & Management 3: Project Management

*Assessment:* The assignment is a set case study, to be done by individuals. The exam format is to consist of one mandatory question, with a selection then from a limited set.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims are to introduce the theory and practice of project management: 1. Providing a comprehensive overview of the role of projects within organizations. 2. Providing a comprehensive review of the methods useful for managing projects and their usefulness. 3. Identifying the broader effects of project management for organizations on their people, operations, finances and markets.

*Course Co-ordinator:* Dr James Wilson

### **89FA BUSINESS & MANAGEMENT 3: STRATEGIC MANAGEMENT**

*Credits:* 15 *Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* one lecture; 2 hours per week

*Requirements of entry:* Students should achieve a minimum of a 'D' grade in all level 2 Business & Management courses. This course is only available to Faculty of Law, Business & Social Science students.

*Co-requisites:* none

*Excluded Courses:* 98QZ Business Strategy

*Assessment:* One 2 hour exam.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To enable students to develop their understanding of how the theory of strategic management may be translated into practice.

*Course Co-ordinator:* Dr Judith Pate

#### **4K8F BUSINESS & MANAGEMENT 3H (JOINT)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Honours timetable available from the Honours Handbook

*Requirements of entry:* To gain entry to study honours in Business & Management, candidates must normally have passed all level 2 courses at the first sitting (securing an average C grade or better across all courses). In addition, candidates must normally hold a complete set of non-honours credits prior to the start of their junior honours year (ie a total of 240 credits at grade 'D' or better, including 80 credits at level 2 for X2F and equivalent students)

*Co-requisites:* Prospective students must also satisfy any honours entry criteria set by the proposed joint department.

*Assessment:* All honours papers are assessed at the end of the year in which they are taken. Assessment and final examination weightings vary from course to course.

*Degree Examination taken in:* April/May

*Aims:* To provide advanced students with flexible access to specialist courses in each of the main areas of management. Particular interests can be followed through a broad range of research-based classes that promote a detailed understanding of marketing management, operations and logistics, strategic management or the management of human resources.

*Honours Course Prescription:* Courses amounting to 60 credits in each of the two honours years. Students wishing to take the Dissertation in 4th year must take Management Research Methods in 3rd year.

*Course Co-ordinator:* Dr Robert McMaster

#### **4K8H BUSINESS & MANAGEMENT 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Honours timetable available from the Honours Handbook

*Requirements of entry:* To gain entry to study honours in Business & Management, candidates must normally have passed all level 2 courses at the first sitting (securing an average C grade or better across all Business & Management level 2 courses). In addition, candidates must normally hold a complete set of non-honours credits prior to the start of their junior honours year (ie a total of 240 credits at grade 'D' or better, including 80 credits at level 2 for X2F and equivalent students)

*Assessment:* All honours papers are assessed at the end of the year in which they are taken. Assessments and final examination weightings vary from course to course.

*Degree Examination taken in:* April/May

*Aims:* To develop in students an integrated understanding of key issues and concepts affecting the core areas of management; to cultivate a learning environment in which students develop the ability to critically appraise traditional and contemporary academic thinking on management issues; to hone students' abilities in applying management tools to real life management problems; to provide an opportunity for students to engage with practitioners in the development of ideas and skills across the range of subject areas; and to generate in students, an appreciation of the range and complexity of managerial and organisational contexts.

*Course Co-ordinator:* Dr Robert McMaster

#### **KMCW BUSINESS & MANAGEMENT LEVEL 3: ENTREPRENEURSHIP AND BUSINESS PLANNING**

*Credits:* 15

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* One meeting of two hours each week

*Requirements of entry:* Students should achieve a minimum of a 'D' grade in all level 2 Business & Management courses. Students must also meet Faculty progress requirements. This course is only available to Faculty of Law, Business & Social Sciences students.

*Co-requisites:* None

*Excluded Courses:* 8UUU Entrepreneurship 1B, Entrepreneurship and New Business

*Assessment:* This course uses a mixture of assessment methods including group and individual assignments and group presentations.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course outlines the process of business growth, explaining the role of entrepreneurial planning and the use of the business plan. It will offer students the opportunity to examine issues associated with developing small firms, and to consider the role and personality of the entrepreneur and his/her team. These issues will be explored within the context of the external environment and in light of small business research.

*Course Co-ordinator:* Mr Greig Sinclair

#### **KMDW BUSINESS & MANAGEMENT LEVEL 3: MANAGING IN THE PUBLIC SECTOR**

*Credits:* 30

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Tuesdays 3.00pm - 5.00pm (Terms 1 and 2)

*Requirements of entry:* Students should achieve a minimum of a 'D' grade in all level 2 Business & Management courses. Students must also meet Faculty progress requirements. This course is only available to Faculty of Law, Business & Social Sciences students.

*Assessment:* Assessment for this course is based on a combination of written assignment (30% of total mark) and end-of-course final exam (70% of total mark). The assignment takes the form of a written submission of 2000 words

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims to: · provide an introduction to the key issues in public sector management · outline and analyse the distinctive cultures, processes and structures of public sector organisations · critically evaluate the forces that contribute to change in public sector institutions and management within them · address the theories of how and why the state and its institutions have evolved to their current position, their role in the wider economic and social systems and structures and their future trajectory · address how different public sector institutions and the individuals working within them relate to one another · assess the implications of structures, practices and strategies for the practice of public sector management

*Course Co-ordinator:* Dr Iain Docherty

#### **4K8G BUSINESS & MANAGEMENT 4H (JOINT)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Honours timetable available from the Honours Handbook

*Requirements of entry:* Satisfactory performance in year 3H assessments.

*Co-requisites:* Prospective students must also satisfy any honours entry criteria set by the proposed joint departments.

*Assessment:* All honours papers are assessed at the end of the year in which they are taken. Assessment and final examination weightings vary from course to course.

*Degree Examination taken in:* April/May

*Aims:* To provide advanced students with flexible access to specialist courses in each of the main areas of management. Particular interests can be followed through a broad range of research-based classes that promote a detailed understanding of marketing management, operations and logistics, strategic management or the management of human resources.

*Honours Course Prescription:* Courses amounting to 60 credits in each of the two honours years. Students wishing to do a dissertation in Business and Management must have completed Management Research Methods during the third year.

*Course Co-ordinator:* Dr Robert McMaster

#### **4K8J BUSINESS & MANAGEMENT 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Honours timetable available from the Honours Handbook

*Requirements of entry:* Satisfactory performance in year 3H assessments.

*Assessment:* All honours papers are assessed at the end of the year in which they are taken. Courses amounting to 120 credits in each of the honours years including

research methods taken in 3H year and a dissertation taken in 4H year.

*Degree Examination taken in:* April/May

*Aims:* To develop in students an integrated understanding of key issues and concepts affecting the core areas of management; to cultivate a learning environment in which students develop the ability to critically appraise traditional and contemporary academic thinking on management issues; to hone students' abilities in applying management tools to real life management problems; to provide an opportunity for students to engage with practitioners in the development of ideas and skills across the range of subject areas; and to generate in students, an appreciation of the range and complexity of managerial and organisational contexts.

*Honours Course Prescription:* Courses amounting to 120 credits, including Management Research Methods and a dissertation to be taken over year 3H and 4H, i.e. 240 credits. Management Research Methods to be taken in year 3H and dissertation to be completed in year 4H. At least one subject must be taken from each of the following four categories: 1) Human Resources and Management 2) Marketing 3) Managing Strategy and Finance 4) Operations and Logistics; with other subjects drawn from a list of options including a business placement.

*Course Co-ordinator:* Dr Robert McMaster

### **Mathematics**

#### **2HXU MATHEMATICS 1R**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Four days weekly -10.00 am or 11.00 am or 4.00 pm; weekly tutorial; workshops in weeks 3, 5, 7 and 11 of semester 1.

*Requirements of entry:* Pass in SCE Higher Mathematics or equivalent

*Excluded Courses:* Mathematics 1X

*Assessment:* One degree examination (60%) (2 hours); class test (20%), workshops (20%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* Mathematics 1R is intended to provide a half-year's Mathematics course leading on from the level of SCE Higher Mathematics. It aims in particular, (1) to consolidate fundamental skills (eg in algebra and trigonometry); (2) to extend students' knowledge in calculus and algebra, introducing them to new topics like matrices and complex numbers; (3) to increase students' competence and confidence in handling mathematical ideas and notations that they may meet in further Mathematics courses and in other subjects.

*Course Co-ordinator:* Prof Stephen Pride

#### **2HYU MATHEMATICS 1S**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Four days weekly -11.00 am or 4.00 pm; weekly tutorial; workshops in weeks 3, 5, 7, 9 and 11.

*Requirements of entry:* Pass in SCE Higher Mathematics or equivalent

*Co-requisites:* Mathematics 1R or 1X

*Excluded Courses:* Mathematics 1Y and 1T

*Assessment:* One examination (60%) (2 hours) and Workshops (40%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Mathematics 1S is intended to build on Mathematics 1R and to provide a further half-year's Mathematics course both for students who intend to specialize in Mathematics and for others. It aims, in particular: a) to introduce the ideas and techniques used to study the behaviour of real functions. [These include the fundamental notions of function and limit, and the derived notions of continuity, differentiability, and integrability]. b) to extend students' knowledge and skills in algebra, geometry, and calculus; c) to explore logical matters relevant to Mathematics and to educate students in the notion of proof in Mathematics and in widely used techniques of proof.

*Course Co-ordinator:* Prof Stephen Pride

## 2JAU MATHEMATICS 1T

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Four days weekly - 10.00 am or 11.00 am; weekly tutorial; workshops in weeks 3, 5, 7, 9, and 11 of semester 2.

*Requirements of entry:* Pass in SCE Higher Mathematics or equivalent.

*Co-requisites:* Mathematics 1R or 1X

*Excluded Courses:* Mathematics 1Y and 1S

*Assessment:* One examination (60%) (2 hours); Workshops (40%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Mathematics 1T is intended to provide a useful and worthwhile half-year's Mathematics course leading on from the level reached in Mathematics 1R. It aims, in particular (1) to increase students' competence and confidence in handling mathematical ideas and notations that they may meet in further Mathematics courses and in other subjects; (2) to develop students' ability to apply Mathematics to practical problems, and more generally to improve their problem-solving capabilities; (3) to extend students' knowledge in calculus and algebra, introducing them to new topics like vectors and the study of differential equations.

*Course Co-ordinator:* Dr David Moore

## 2JBU MATHEMATICS 1X

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Four days weekly - 11.00 am; weekly tutorial

*Requirements of entry:* Grade A in SQA Higher Mathematics and Grade B or better in Advanced Higher Mathematics or equivalently good non-Scottish qualifications eg grade A at A-level

*Excluded Courses:* 2HXU Mathematics 1R 406B Mathematics 1A (Ordinary) 496B Mathematics 1B (Ordinary)

*Assessment:* One examination (80%) (2 hours); class tests (20%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To present an interesting level-1 course for well-qualified students which will enhance their mathematical knowledge, insights, skills and enjoyment as well as enhancing the transferable skills of reasoning, handling of abstract concepts, problem solving, communication, and clarity of presentation.

*Honours Course Prescription:* None.

*Course Co-ordinator:* Dr Neil Dickson

## 2JCU MATHEMATICS 1Y

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Four days weekly - 11.00 am; weekly tutorial.

*Requirements of entry:* As for Mathematics 1X

*Co-requisites:* Mathematics 1X

*Excluded Courses:* 2HYU Mathematics 1S 2JAU Mathematics 1T 406B Mathematics 1A (Ordinary) 496B Mathematics 1B (Ordinary)

*Assessment:* One examination (80%) (2 hours); class tests (20%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To present an interesting level-1 course for well-qualified students which will enhance their mathematical knowledge, insights, skills and enjoyment as well as enhancing the transferable skills of reasoning, handling of abstract concepts, problem solving, communication, and clarity of presentation.

*Honours Course Prescription:* None.

*Course Co-ordinator:* Dr Mikhail Feigin

## LBKU MATHEMATICS SKILLS TEST

*Credits:* 0 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Tests are held frequently throughout the session.

*Co-requisites:* Either Mathematics 1R/Mathematics 1S or Mathematics 1R/Mathematics 1T or Mathematics 1X/Mathematics 1Y.

*Assessment:* The skills test will be offered frequently throughout the academic session. Students are allowed to attempt this test many times.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The Mathematics skills test has been introduced to ensure that students, who wish to progress into level 2 Mathematics, attain a high standard of basic mathematics skills.

*Course Co-ordinator:* Prof Kenneth Lindsay

### LYXV MATHEMATICS 2A: MULTIVARIABLE CALCULUS

*Credits:* 10 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesday and Thursday at 9 am, or, Tuesday and Thursday at 11 am, or, Tuesday and Thursday at 12 noon. Fortnightly tutorials on Fridays.

*Requirements of entry:* Mathematics 1R or 1X at grade D and 1S or 1T or 1Y at grade D and a pass in the level 1 Skills test.

*Excluded Courses:* 1E3C Mathematics 2C (Higher) 406C Mathematics 2A (Higher) 496C Mathematics 2B HR 4BBV Mathematics 2X: Calculus 1

*Assessment:* One degree examination (80%) (1 hour 30 mins); coursework (20%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course aims to develop topics in multivariable calculus. It is an essential course for intending honours students. The emphasis is on methods and applications.

*Course Co-ordinator:* Dr David Webber

### LYVV MATHEMATICS 2B: LINEAR ALGEBRA

*Credits:* 10 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures are held on Mondays and Wednesdays at 10.00 am and Mondays and Wednesdays at 11.00 am. Fortnightly tutorials are held on Fridays at 10.00am and at 11.00am.

*Requirements of entry:* Mathematics 1R or 1X at grade D and 1S or 1T or 1Y at grade D and a pass in the level 1 Skills test.

*Excluded Courses:* 1E3C Mathematics 2C (Higher) 496C Mathematics 2B HR 4ATV Mathematics 2R: Algebra 1 4BAV Mathematics 2W: Linear Algebra

*Assessment:* One degree examination (80%) (1 hour 30 mins); class test (20%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course covers the fundamentals of linear algebra that are applicable throughout science and engineering, and in particular in the physical, chemical and biological sciences, statistics and other parts of mathematics. The aim of the first part of the course is to introduce the idea of a finite dimensional vector space, including the concepts of linear independence, basis, dimension and linear map. The relation between linear maps and matrices will be explained, and this will motivate further study of matrices in the second part of the course, in which the determinant, eigenvalues and

eigenvectors of a matrix will be studied. Throughout, all new ideas will be illustrated by examples drawn from applications in small dimensions.

*Course Co-ordinator:* Dr David Webber

### LYZV MATHEMATICS 2C: TOPICS IN APPLIED MATHEMATICS

*Credits:* 10 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesdays and Thursdays at 10.00 am, Tuesdays and Thursdays at 11.00 am. Fortnightly tutorials on Mondays.

*Requirements of entry:* Mathematics 1R or 1X at Grade D and Mathematics 1S or 1T or 1Y at Grade D and a pass in the Level 1 Skills Test.

*Excluded Courses:* None

*Assessment:* One degree examination (80%) (1 hour 30 mins); coursework (20%).

*Degree Examination taken in:* December

*Resit Examination taken in:* April/May

*Aims:* This course has three main components. First, it provides an introduction to the mathematical modelling of mechanical phenomena involving the motion of a single particle such as a golf ball under the influence of gravity or the orbit of a satellite around the Earth. Second, it shows how mathematical methods can be used in models capable of describing simple situations occurring in a biological context. Third, it introduces some basic ideas needed for the numerical solution of algebraic equations in one unknown.

*Course Co-ordinator:* Dr David Webber

### LYWV MATHEMATICS 2D: TOPICS IN LINEAR ALGEBRA AND CALCULUS

*Credits:* 10 *Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures on Wednesdays and Fridays at 10.00 am, Wednesdays and Fridays at 11.00 am and Wednesdays and Fridays at 12 noon. Fortnightly tutorials on Mondays.

*Requirements of entry:* Mathematics 1R or 1X at grade D and 1S or 1T or 1Y at grade D and a pass in the level 1 Skills test.

*Co-requisites:* Mathematics 2A: Multivariable Calculus Mathematics 2B: Linear Algebra

*Excluded Courses:* Mathematics 2S: 4AWV Mathematics 2Y: JURV Mathematics 2Z: 4BDV

*Assessment:* One degree examination (80%) (1 hour 30 mins); coursework (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims to develop related topics in linear algebra and multivariable calculus. The emphasis is on methods and applications.

*Course Co-ordinator:* Dr David Webber

### LYUV MATHEMATICS 2E: INTRODUCTION TO REAL ANALYSIS

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures on Tuesdays and Thursdays at 11.00 am and Tuesdays and Thursdays at 12.00 noon. Fortnightly seminars on Mondays.

*Requirements of entry:* Mathematics 1R or 1X at grade D and 1S or 1T or 1Y at grade D and a pass in the level 1 Skills test.

*Excluded Courses:* Mathematics 2U: 4AXV

*Assessment:* One degree examination (80%) (1 hour 30 mins); coursework (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The common thread running through this is the notion of limit. This course will give a precise definition of this notion for both sequences and series. The notion of continuity for functions will be discussed and related to convergence of sequences. Some important consequences of continuity to be studied are the intermediate value theorem and its applications, and the existence of extrema. The emphasis is on developing and applying standard proof techniques to give rigorous arguments from basic definitions.

*Course Co-ordinator:* Dr David Webber

### LYYV MATHEMATICS 2F: FOUNDATIONS OF PURE MATHEMATICS

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Tuesdays and Thursday at 10.00 am or Tuesday and Thursday at 11.00 am. Fortnightly tutorials on Mondays.

*Requirements of entry:* Grade D in (1R or 1X) + (1S or 1T or 1Y) + Pass in Level 1 Skills test.

*Assessment:* One degree examination (80%) (1 hour 30 mins); coursework (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course aims to: Provide students with their first exposure to ideas of abstract pure mathematics starting from their prior knowledge of rational, real and complex numbers systems and progressing to more sophisticated ideas in set theory including the notions of cardinality and equivalence relation. Introduce the basic principles of permutations. Lead to a practical understanding of the Euclidean algorithm. Understand how to learn and use simple formulae.

*Course Co-ordinator:* Dr David Webber

### 4ALV MATHEMATICS 2L: LINEAR MODELLING

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Weekly lectures Tuesday, Thursday 1.00 pm. Fortnightly tutorial - Monday 1.00 pm.

*Requirements of entry:* Mathematics 1R or 1X at grade D and 1S or 1T or 1Y at grade D and a pass in the level 1 Skills test.

*Excluded Courses:* 7H7C Mathematical Modelling HR

*Assessment:* One degree examination (80%) (1 hour 30 minutes); coursework (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims to show how large systems of linear equations arise naturally in a variety of modelling applications and how the properties of these equations can be used to extract useful information about the application through a solution of the equations or perhaps through the eigenvalues of the underlying matrix, or some other unspecified procedure.

*Course Co-ordinator:* Dr David Webber

### MPEV MATHEMATICS 2M: FINANCIAL MODELLING

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Weekly lectures Monday, Wednesday 12.00 noon. Fortnightly tutorials and laboratories: Mondays at 3.00 pm (tutorials 1hr, labs 2hrs).

*Requirements of entry:* Mathematics 1R or 1X at grade D and 1S or 1T or 1Y at grade D, normally at first attempt, and a pass in the level 1 Mathematics Skills test. LBKU Mathematics Skills Test

*Excluded Courses:* 4AGV Mathematics 2F: Financial Modelling 7H7C Mathematical Modelling HR

*Assessment:* One degree examination (80%) (1 hour 30 mins), project (20%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The course shows how mathematical methods can be used in economics and finance. The main topics covered are: the determination of prices and production quantities by manufacturers; the mathematical properties of loans and investments, particularly at fixed rates of interest. Course Content 1. Solutions of equations - False position algorithm. 2. Models in economics - Cost, revenue and profit. Supply and demand. Consumption. Depreciation. Production and pricing. Fitting models to data. Using Excel to extrapolate data and derive graphs. 3. Interest - Simple and compound interest. Constant rates of interest. Variable rates of interest. Present value and discount factors. Annuities. Capital and interest. Use Excel to find interest rates and amortization tables. 4. Valuation of securities - Types of security. Fixed interest securities. Price and yield. Makeham's formula.

*Course Co-ordinator:* Dr David Webber

### 4ANV MATHEMATICS 2N: NUMBER THEORY AND CRYPTOGRAPHY

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Tuesday, Thursday 10.00 am each week. Tutorial fortnightly: Monday 10.00 am.

*Requirements of entry:* Mathematics 1R or 1X at grade D and 1S or 1T or 1Y at grade D and a pass in the level 1 Skills test.

*Assessment:* One degree examination (80%) (1 hour 30 mins); coursework (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide an introduction to elementary Number Theory and describe its application to selected topics in Cryptography.

*Course Co-ordinator:* Dr David Webber

#### **4APV MATHEMATICS 2P: GRAPHS AND NETWORKS**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesday, Thursday 10.00 am weekly. Tutorial fortnightly - Monday 10.00 am.

*Requirements of entry:* Mathematics 1R or 1X at grade D and 1S or 1T or 1Y at grade D and a pass in the level 1 Skills test.

*Excluded Courses:* 496C Mathematics 2B HR

*Assessment:* One degree examination (80%) (1 hour 30 mins); coursework (20%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course is intended as an introduction to the basic ideas in graph theory and to some of the simpler algorithms of network theory.

*Course Co-ordinator:* Dr David Webber

#### **4WPF APPLIED MATHEMATICS 3H (COMBINED)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Mathematics 2A, Mathematics 2B, Mathematics 2C, Mathematics 2D, Mathematics 2E and Mathematics 2F. Minimum Grade D in each with a GPA 12 or better on these courses, normally at first attempt. Plus specified courses and grades in the other subject.

*Assessment:* Each 25-lecture course is examined in a 2-hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

*Degree Examination taken in:* April/May

*Aims:* The aims of Level 3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to instil the mathematical knowledge and problem solving skills needed to proceed to Level 4; when coupled with further study at level 4,

to provide training for those who wish to make a career either in Mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of mathematics through detailed study of the proofs and theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problems solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument.

*Honours Course Prescription:* Four courses as follows: Term 1: Differential Equations 1 AND: for those awarded a grade D or better in both Mathematics 2U and 2V, take Newtonian Mechanics; all others take Introductory Analysis. Term 2: Complex Analysis 1, Differential Equations 2. Transferable Skills work (Latex, Maple and one seminar).

This prescription is subject to change in session 2009-10.

*Course Co-ordinator:* Dr Christina Cobbold

#### **4WPH APPLIED MATHEMATICS 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Mathematics 2A, Mathematics 2B, Mathematics 2C, Mathematics 2D, Mathematics 2E and Mathematics 2F. Minimum Grade D in each with a GPA 12 or better on these courses, normally at first attempt.

*Assessment:* Each 25-lecture course is examined in a 2-hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

*Degree Examination taken in:* April/May

*Aims:* The aims of Level 3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to instil the mathematical knowledge and problem solving skills needed to proceed to Level 4; when coupled with further study at level 4, to provide training for those who wish to make a career either in Mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of mathematics through detailed study of the proofs and theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problems solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument.

*Course Co-ordinator:* Dr Christina Cobbold

#### **OPGF APPLIED MATHEMATICS 3M (COMBINED)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised



*Requirements of entry:* Mathematics 2A, Mathematics 2B, Mathematics 2C, Mathematics 2D, Mathematics 2E and Mathematics 2F. Minimum Grade C in each with a GPA 14 or better on these courses, normally at first attempt. Plus specified courses and grades in the other subject.

*Excluded Courses:* 4WRF Applied Mathematics 3M (Combined)

*Assessment:* Each 25-lecture course is examined in a 2-hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

*Degree Examination taken in:* April/May

*Aims:* The aims of Level 3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to instil the mathematical knowledge and problem solving skills needed to proceed to Level 4; when coupled with further study at level 4, to provide training for those who wish to make a career either in Mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of mathematics through detailed study of the proofs and theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problems solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument.

*Honours Course Prescription:* Four courses as follows: Newtonian Mechanics, Differential Equations 1, Differential Equations 2. Choose ONE of: Mathematical Biology or Mathematical Ecology (offered in alternate years), Financial Mathematics, Calculus of Variations, Discrete Mathematics, Classical Geometry, Complex Analysis 1. Transferable Skills work: Maple, Latex, 2 seminars.

This prescription is subject to change in session 2009-10.

*Course Co-ordinator:* Dr Christina Cobbold

### **OPHH APPLIED MATHEMATICS 3M (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Mathematics 2A, Mathematics 2B, Mathematics 2C, Mathematics 2D, Mathematics 2E and Mathematics 2F. Minimum Grade C in each with a GPA 14 or better on these courses, normally at first attempt.

*Excluded Courses:* 4WRH Applied Mathematics 3M (Single)

*Assessment:* Each 25-lecture course is examined in a 2-hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

*Degree Examination taken in:* April/May

*Aims:* The aims of Level 3 are: to provide an introduction to a number of major areas of mathematics rigorously and in-depth; to instil the mathematical knowl-

edge and problem solving skills, particular to those pertaining to other scientific disciplines, needed to proceed to level-4; when coupled with further study at levels-4 and 5, to provide training for those who wish to make a career either in mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of mathematics through detailed study of the proofs of key theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problem solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument; (4) Perception: analytical, critical and modelling skills, able to adapt theory according to circumstances.

*Honours Course Prescription:* Numerical Analysis, Newtonian Mechanics, Differential Equations 1, Introductory Topology, Complex Analysis 1, Differential Equations 2. Plus 2 courses from: Calculus of Variations, Discrete Mathematics, Dynamical Systems, Mathematical Biology or Mathematical Ecology (given in alternate years), Financial Mathematics, Classical Geometry. Transferable Skills work: Latex, Maple and two seminars.

This prescription is subject to change in 2009-10.

*Course Co-ordinator:* Dr Christina Cobbold

### **4WTH MATHEMATICAL SCIENCES 3H**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses taken

*Requirements of entry:* Computing Science 40 credits, to include 2X (Data Structures and Algorithms), 2Y (Software Design and Implementation). Mathematics 2X and 2Y (Calculus 1 and 2), 2W or 2R (Linear Algebra 1 or Algebra 1), 2Z or 2S (Linear Algebra 2 or Algebra 2). Statistics 2R (Probability), 2S (Statistical Methods), 2X (Probability Models), 2Y (Regression Modelling). A level-2 performance at Grade C or better in each subject is required. In Mathematics, the requirement is Grade D or better in each course with an overall average of Grade C or better.

*Assessment:* There are degree examinations at the end of year three and the end of year four. Assessments for project work will be added to these. Year three work will be weighted as 40% and year four work as 60% of the final assessment.

*Degree Examination taken in:* April/May

*Aims:* To present a broadly based degree programme which will provide a good grounding in Mathematical Sciences with emphasis on algorithmic aspects of these subjects; to develop logical thinking and abstract methods of thought to enhance problem solving skills; to develop the computational skills required to implement solutions of problems in the Mathematical Science area; to give equal weighting to the three subject areas and to integrate the knowledge and skills gained in jointly supervised project work.

*Honours Course Prescription:* The degree programme will consist of lectures and project work with approxi-

mately equal input from each of the three departments. The load will correspond to 120 credits in each year. The individual courses in Computing Science are worth 10 credits, except the (level 3) course Professional Software Development 3 which is worth 20 credits, and runs over both terms. Statistics courses are worth 10 credits, Mathematics courses are worth 15 credits. Semester 1: Computing Science - Professional Software Development 3 (continues into semester 2) & Advanced Programming 3 & Algorithmics 3; Mathematics - Introductory Analysis (and short Latex course); Statistics - Inference 3 & Statistical Computing 3. Semester 2: Computing Science - Professional Software Development 3; Mathematics - Discrete Mathematics (and one seminar); Statistics - Multivariate Statistics 3 & Applied Modelling 3 & Probability 3.

*Course Co-ordinator:* Dr Christina Cobbold

#### **406F MATHEMATICS 3H (COMBINED)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses taken

*Requirements of entry:* Mathematics 2A, Mathematics 2B, Mathematics 2C, Mathematics 2D, Mathematics 2E and Mathematics 2F. Minimum Grade D in each with a GPA 12 or better on these courses, normally at first attempt. Plus specified courses and grades in the other subject.

*Excluded Courses:* 1TGA Mathematics 3S (Combined)

*Assessment:* Each 25-lecture course is examined in a 2 hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

*Degree Examination taken in:* April/May

*Aims:* The aims of level-3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to instil the mathematical knowledge and problem solving skills needed to proceed to level-4; when coupled with further study at level-4, to provide training for those who wish to make a career either in mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of Mathematics through detailed study of the proofs of key theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problem solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument.

*Honours Course Prescription:* Four courses as follows: Complex Analysis 1; Introductory Algebra; Introductory Topology; ONE of Discrete Mathematics and Groups, Rings and Fields. Additionally, all take Transferable skills work (Latex and seminar). This prescription is subject to change in session 2009-10.

*Course Co-ordinator:* Dr Christina Cobbold

#### **406H MATHEMATICS 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Mathematics 2A, Mathematics 2B, Mathematics 2C, Mathematics 2D, Mathematics 2E and Mathematics 2F. Minimum grade D in each with a GPA of 12 or better on these courses, normally at first attempt.

*Excluded Courses:* 406A Mathematics Single AOS

*Assessment:* Each 25-lecture course is examined in a 2 hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

*Degree Examination taken in:* April/May

*Aims:* The aims of level-3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to instil the mathematical knowledge and problem solving skills needed to proceed to level-4; when coupled with further study at level-4, to provide training for those who wish to make a career either in mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of Mathematics through detailed study of the proofs of key theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problem solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument.

*Honours Course Prescription:* Term 1 : Introductory Algebra, Newtonian Mechanics, Introductory Topology, Differential Equations 1. Term 2 : Discrete Mathematics, Complex Analysis 1 AND Choose 2 of : Classical Geometry, Differential Equations 2, Groups, Rings and Fields, Dynamical Systems, Mathematical Biology or Mathematical Ecology (given in alternate sessions), Financial Mathematics, Calculus of Variations, Probability. Transferable Skills work (Latex and two seminars).

This prescription is subject to change in session 2009-10.

*Course Co-ordinator:* Dr Christina Cobbold

#### **0PBPF MATHEMATICS 3M (COMBINED)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Dependent on course options taken.

*Requirements of entry:* Mathematics 2A, Mathematics 2B, Mathematics 2C, Mathematics 2D, Mathematics 2E and Mathematics 2F. Minimum grade of C in each with a GPA of 14 or better on these courses, normally at first attempt. Plus specified courses and grades in the other subject.

*Excluded Courses:* 1PKA Mathematics 3S Combined MSci 1PKF Mathematics 3M (Combined)

*Assessment:* Each 25-lecture course is examined in a 2 hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

*Degree Examination taken in:* April/May

*Aims:* The aims of level-3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to instil the mathematical knowl-

edge and problem solving skills needed to proceed to level-4; when coupled with further study at level-4, to provide training for those who wish to make a career either in mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of Mathematics through detailed study of the proofs of key theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problem solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument.

*Honours Course Prescription:* Four courses as follows: Introductory Algebra AND Choose ONE of: Differential Equations 1 and Introductory Topology AND Choose TWO of: Complex Analysis 1; Differential Equations 2; Discrete Mathematics; Groups, Rings and Fields; Classical Geometry. Transferable Skills work: Latex, Maple and 2 seminars.

This prescription is subject to change in session 2009-10.

*Course Co-ordinator:* Dr Christina Cobbold

### **OPFH MATHEMATICS 3M (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Mathematics 2A, Mathematics 2B, Mathematics 2C, Mathematics 2D, Mathematics 2E, Mathematics 2F. Minimum Grade C in each with a GPA of 14 or better on these courses, normally at first attempt.

*Excluded Courses:* 2PCA Mathematics 3S Single MSci 2PCH Mathematics 3M (Single)

*Assessment:* Each 25-lecture course is examined in a 2 hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

*Degree Examination taken in:* April/May

*Aims:* The aims of level-3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to install the mathematical knowledge and problem solving skills needed to proceed to levels 4 and 5; when coupled with further study at level-4, to provide training for those who wish to make a career either in mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of Mathematics through detailed study of the proofs of key theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problem solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument; (4) Perception: analytical, critical and modelling skills, able to adapt theory according to circumstances.

*Honours Course Prescription:* Introductory Algebra, Introductory Topology, Complex Analysis 1, Discrete Mathematics, Newtonian Mechanics, Differential Equa-

tions 1 Plus choose TWO courses from : Classical Geometry, Differential Equations 2, Groups, Rings and Fields, Dynamical Systems, Mathematical Biology/Mathematical Ecology (given in alternate sessions), Financial Mathematics, Calculus of Variations and Probability. Transferable Skills work : Latex, Maple and two seminars. This prescription is subject to change in session 2009-10.

*Course Co-ordinator:* Dr Christina Cobbold

### **4APW MATHEMATICS 3P: REAL AND COMPLEX VARIABLES**

*Credits:* 20

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures at 9.00 am 2/3 days (alternately) every week. Tutorials fortnightly, time to be arranged.

*Requirements of entry:* Maths 2X at Grade D3 or above. Please note: this is one of a package of 4 level-3 courses in Mathematics leading to a designated degree in Mathematics. Full details of the requirements for a designated degree can be found in the Faculties of Science section of the University Calendar. The requirements for the designated degree include a second-year curriculum that includes Mathematics 2X, 2Y, 2W (or 2R) and 2Z (or 2S). An average GPA of 10 over these 4 level-2 courses is required.

*Assessment:* Class test 20%; end of course examination 80%.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To introduce students to rigorous methods in real and a selection of important topics in complex analysis.

*Course Co-ordinator:* Prof Stephen Cohen

### **4ARW MATHEMATICS 3Q: ALGEBRA & NUMBER THEORY**

*Credits:* 20

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures at 9.00 am 2/3 days (alternately) every week. Tutorials fortnightly, time to be arranged.

*Requirements of entry:* Maths 2R or Maths 2W at Grade D3 or above. Please note: this is one of a package of 4 level-3 courses in Mathematics leading to a designated degree in Mathematics. Full details of the requirements for a designated degree can be found in the Faculties of Science section of the University Calendar. The requirements for the designated degree include a second-year curriculum that includes Mathematics 2X, 2Y, 2W (or 2R) and 2Z (or 2S). An average GPA of 10 over these 4 level-2 courses is required.

*Assessment:* Class test 20%; end of course examination 80%.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To introduce students to basic concepts in number theory and in the theory of groups.

*Course Co-ordinator:* Prof Stephen Cohen

**4ATW MATHEMATICS 3R: FINITE MATHEMATICS**

*Credits:* 20

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures at 9.00 am 2/3 days (alternately) every week. Tutorials fortnightly, time to be arranged.

*Requirements of entry:* Maths 2R or Maths 2W at Grade D3 or better. Please note: this is one of a package of 4 level-3 courses in Mathematics leading to a designated degree in Mathematics. Full details of the requirements for a designated degree can be found in the Faculties of Science section of the University Calendar. The requirements for the designated degree include a second-year curriculum that includes Mathematics 2X, 2Y, 2W (or 2R) and 2Z (or 2S). An average GPA of 10 over these 4 level-2 courses is required.

*Assessment:* Class test 20%; end of course examination 80%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students to linear programming, game theory, and combinatorial topics.

*Course Co-ordinator:* Prof Stephen Cohen

**4AWW MATHEMATICS 3S: DIFFERENTIAL EQUATIONS**

*Credits:* 20

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures at 9.00 am 2/3 days (alternately) every week. Tutorials fortnightly, time to be arranged.

*Requirements of entry:* Maths 2X at Grade D3 or above. Please note: this is one of a package of 4 level-3 courses in Mathematics leading to a designated degree in Mathematics. Full details of the requirements for a designated degree can be found in the Faculties of Science section of the University Calendar. The requirements for the designated degree include a second-year curriculum that includes Mathematics 2X, 2Y, 2W (or 2R) and 2Z (or 2S). An average GPA of 10 over these 4 level-2 courses is required.

*Assessment:* Class test 20%; end of course examination 80%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To learn a variety of methods for solving ordinary and partial differential equations.

*Course Co-ordinator:* Prof Stephen Cohen

**4WPG APPLIED MATHEMATICS 4H (COMBINED)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses taken

*Requirements of entry:* Grade D or better in Applied Mathematics 3H (Combined)

*Assessment:* (a) Each 25-lecture course is examined in a 2-hour Degree Examination, held in May or June. Where a project has been taken, the project report

is also considered (it is treated as being equivalent to one Degree Examination paper). (b) (Permission of the Head of Department required) Final Examination 75% (3 courses), plus Project 25%. The final honours classification is based on 60% (4H) and 40% (3M).

*Degree Examination taken in:* April/May

*Aims:* The aim is to provide a challenging and interesting course for able students whose primary interests lie in the application of mathematics either within academia or outwith it, for example, in a commercial or industrial environment. Uniformity of standards between Applied Mathematics and the existing Mathematics degrees will be ensured by: lecturing common course components together; allowing students from each degree programme to participate in options from the other for which they are suitably qualified; examining all students in Applied Mathematics and Mathematics using the same criteria.

*Honours Course Prescription:* Three or four options from the available Level 4 Honours course options. An honours project must be undertaken by the student in their final year. This can be either in mathematics or in their other subject. If a mathematics project is taken then the student will take three mathematics courses. If the project is taken in the other department then the student will have to take four mathematics courses. Zoology/Applied Mathematics students will take Mathematical Biology or Mathematical Ecology (courses given in alternative sessions) as one of their options.

*Course Co-ordinator:* Dr David Haughton

**4WPJ APPLIED MATHEMATICS 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses taken

*Requirements of entry:* Applied Mathematics 3H at Grade D or better

*Assessment:* Each 25-lecture course is examined in a 2-hour Degree Examination, held in May or June. The project report is treated as being equivalent to one Degree Examination paper. The final honours classification is based on 60% (4H) and 40% (3H).

*Degree Examination taken in:* April/May

*Aims:* The aim is to provide a challenging and interesting course for able students whose primary interests lie in the application of mathematics either within academia or outwith it, for example, in a commercial or industrial environment. Uniformity of standards between Applied Mathematics and the existing Mathematics degrees will be ensured by: lecturing common course components together; allowing students from each degree programme to participate in options from the other for which they are suitably qualified; examining all students in Applied Mathematics and Mathematics using the same criteria.

*Honours Course Prescription:* Choose seven options from each of the term 1 and term 2 lists given in Applied Mathematics 4H (Single) and a Level H project, where not more than four options come from one term's list.

*Course Co-ordinator:* Dr David Haughton

**JUGG APPLIED MATHEMATICS 4M  
(COMBINED)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Grade B or better in Applied Mathematics 3M (Combined)

*Assessment:* Each 25-lecture course is examined in a 2-hour Degree Examination, held in May or June. The compulsory project is treated as being equivalent to one Degree Examination paper.

*Degree Examination taken in:* April/May

*Aims:* The aim is to provide a challenging and interesting course for able students whose primary interests lie in the application of mathematics either within academia or outwith it, for example, in a commercial or industrial environment. Uniformity of standards between Applied Mathematics and the existing Mathematics degrees will be ensured by: lecturing common course components together; allowing students from each degree programme to participate in options from the other for which they are suitably qualified; examining all students in Applied Mathematics and Mathematics using the same criteria.

*Honours Course Prescription:* Three options at Levels H or M (including at most 1 at Level M) AND a Level H project (15 credits)

*Course Co-ordinator:* Dr David Haughton

**JUHJ APPLIED MATHEMATICS 4M  
(SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Applied Mathematics 3M (Single) at Grade B or better.

*Assessment:* Each 25-lecture course is examined in a 2-hour Degree Examination. The compulsory project is treated as being equivalent to one Degree Examination paper.

*Degree Examination taken in:* April/May

*Aims:* The aim is to provide a challenging and interesting course for able students whose primary interests lie in the application of mathematics either within academia or outwith it, for example, in a commercial or industrial environment. Uniformity of standards between Applied Mathematics and the existing Mathematics degrees will be ensured by: lecturing common course components together; allowing students from each degree programme to participate in options from the other for which they are suitably qualified; examining all students in Applied Mathematics and Mathematics using the same criteria.

*Honours Course Prescription:* Seven options at Levels H or M (including at most 2 at level M) AND a Level H Project (15 credits).

*Course Co-ordinator:* Dr David Haughton

**4WTJ MATHEMATICAL SCIENCES 4H**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses taken

*Requirements of entry:* Mathematical Sciences 3H at Grade C

*Assessment:* See Mathematical Sciences 3H

*Degree Examination taken in:* April/May

*Aims:* To present a broadly based degree programme which will provide a good grounding in Mathematical Sciences with emphasis on algorithmic aspects of these subjects; to develop logical thinking and abstract methods of thought to enhance problem solving skills; to develop the computational skills required to implement solutions of problems in the Mathematical Science area; to give equal weighting to the three subject areas and to integrate the knowledge and skills gained in jointly supervised project work.

*Honours Course Prescription:* Mathematics: 3 options (2 Semester 1, 1 Semester 2) from the list given under Mathematics 4H (Single). Statistics: Semester 1 - Stochastic Processes 4, Semester 2 - Financial Statistics 4. Computing Science: Semester 1 - Advanced Algorithms 4, Semester 2 - 2 options. Additionally a project (25 credits) is undertaken, jointly supervised by two departments.

*Course Co-ordinator:* Dr David Haughton

**406G MATHEMATICS 4H (COMBINED)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Timetable will depend on courses taken

*Requirements of entry:* Grade D in Mathematics 3H

*Assessment:* Three Maths honours exams and a project or four Maths honours exams if the project is taken in another Department. The final honours classification is based on 60% (4H) and 40% (3H).

*Degree Examination taken in:* April/May

*Aims:* See Mathematics 3H (Combined)

*Honours Course Prescription:* Three or four options from the available Level 4 Honours course options. An honours project must be undertaken by the student in their final year. This can be either in mathematics or in their other subject. If a mathematics project is taken then the student will take three mathematics courses. If the project is taken in the other department then the student will have to take four mathematics courses.

*Course Co-ordinator:* Dr David Haughton

**406J MATHEMATICS 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Grade D in Mathematics 3H

*Assessment:* Each 25 lecture course is examined in a 2-hour Degree Examination, held in May or June. The

project report is treated as being equivalent to one Degree Examination paper. The final honours classification is based on 60% (4H) and 40% (3H).

*Degree Examination taken in:* April/May

*Aims:* See Mathematics 3H (Single)

*Honours Course Prescription:* Choose seven options from each of the term 1 and term 2 lists given in Mathematics 4H (Single) and a Level H project, where not more than four options come from one term's list.

*Course Co-ordinator:* Dr David Haughton

**JUJG MATHEMATICS 4M (COMBINED)**

*Credits:* 60 *Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Grade B in Mathematics 3M (Combined)

*Assessment:* 3 options at Levels H or M (including at most 1 at level M) AND a Level H Project (15 credits)

*Degree Examination taken in:* April/May

*Aims:* See Mathematics 3M (Combined)

*Honours Course Prescription:* Three courses at Levels H or M (including at most 1 at Level M) AND a Level H Project (15 credits).

*Course Co-ordinator:* Dr David Haughton

**JUKJ MATHEMATICS 4M (SINGLE)**

*Credits:* 120 *Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Grade B in Mathematics 3M (Single)

*Assessment:* Seven examinations (2 hours). Compulsory project, examined by dissertation.

*Degree Examination taken in:* April/May

*Aims:* See Mathematics 3M (Single)

*Honours Course Prescription:* 7 options at Levels H or M (including at most 2 at Level M) and a Level-H project (15 credits).

*Course Co-ordinator:* Dr David Haughton

**0YCG APPLIED MATHEMATICS 5M (COMBINED WITH PHYSICS/ASTRONOMY) LEVEL 5**

*Credits:* 45 *Level:* 5

*When Taught:* Full Session (September - March)

*Timetable:* Dependent on courses chosen

*Requirements of entry:* Grade B or better in year 4 is required to progress to Level 5 M Combined. Failing this, students will normally be qualified to graduate with a BSc(Hons).

*Degree Examination taken in:* April/May

*Aims:* Refer to Applied Mathematics 3M (combined)

*Honours Course Prescription:* 3 options at level M. A Level M project in either Mathematics or Combination subject or both (topic to be approved by both departments) will also be required.

*Course Co-ordinator:* Dr David Haughton

**88DJ APPLIED MATHEMATICS 5M (COMBINED) LEVEL 5**

*Credits:* 65 *Level:* 5

*When Taught:* Full Session (September - March)

*Timetable:* Dependent on courses chosen

*Requirements of entry:* Grade B or better in year 4 is required to progress to Level 5 M Combined. Failing this, students will normally be qualified to graduate with a BSc(Hons).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Refer to Applied Mathematics 3M (combined)

*Honours Course Prescription:* 3 options at level M (45 credits) M Level project (40 credits) in either Mathematics or Combination subject or both (topic to be approved by both departments) = 20 credit (0.5 x total assigned to Mathematics)

*Course Co-ordinator:* Dr David Haughton

**88AM APPLIED MATHEMATICS 5M (SINGLE)**

*Credits:* 120 *Level:* 5

*When Taught:* Full Session (September - March)

*Timetable:* Dependent on courses chosen by students.

*Requirements of entry:* Progression to year 5 of the MSci requires a grade B or better for year 4. Failing this, students will normally be qualified to graduate with a BSc (Hons).

*Assessment:* Students are required to take end of course examinations for each of the five 15 credit courses that they are required to complete. They are also required to complete a Level M project which is worth 45 credits.

*Degree Examination taken in:* April/May

*Aims:* Refer to Applied Mathematics 3M (Single)

*Course Co-ordinator:* Dr David Haughton

**0YDG MATHEMATICS 5M (COMBINED WITH PHYSICS/ASTRONOMY) LEVEL 5**

*Credits:* 45 *Level:* 5

*When Taught:* Full Session (September - March)

*Timetable:* Dependent on courses chosen

*Requirements of entry:* Grade B or better in year 4 is required to progress to Level 5 M Combined. Failing this, students will normally be qualified to graduate with a BSc(Hons).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Refer to Mathematics 3M (combined)

*Honours Course Prescription:* 3 options at level M. A Level M project in either Mathematics or Combination subject or both (topic to be approved by both departments) will also be required.

Course Co-ordinator: Dr David Haughton

### **88DL MATHEMATICS 5M (COMBINED) LEVEL 5**

Credits: 65

Level: 5

When Taught: Full Session (September - March)

Timetable: Dependent on courses chosen.

Requirements of entry: Grade B or better in year 4 is required to progress to Level 5M Combined. Failing this, students will normally be qualified to graduate with a BSc(Hons).

Degree Examination taken in: April/May

Resit Examination taken in: August/September

Aims: Refer to Mathematics 3M (Combined)

Honours Course Prescription: 3 options at level M. (45 credits) & Level M project (40 credits) in either Mathematics or combination subject or both (topic to be approved by both departments) - 20 credits (0.5 x total assigned to Mathematics)

Course Co-ordinator: Dr David Haughton

### **88DH MATHEMATICS 5M (SINGLE)**

Credits: 120

Level: 5

When Taught: Full Session (September - March)

Timetable: Dependent on course options taken up.

Requirements of entry: Progression to year 5 of the MSci requires a grade B or better for year 4. Failing this, students will normally be qualified to graduate with a BSc(Hons).

Assessment: Five examinations and one Level M project.

Degree Examination taken in: April/May

Aims: Refer to level 3M of this programme.

Honours Course Prescription: 5 options at Level M and a Level M project (45 credits)

Course Co-ordinator: Dr David Haughton

### **88EH MATHEMATICS MSCI PROJECT**

Credits: 45

Level: 5

When Taught: Full Session (September - March)

Timetable: To be arranged

Requirements of entry: See 5M single

Degree Examination taken in: April/May

Aims: to prepare students for research-based activity involving mathematics to develop independent learning ability, verbal presentation and communication skills

Course Co-ordinator: Dr David Haughton

## **Music**

### **MMVU LISTENING & REPERTORY**

Credits: 20

Level: 1

When Taught: Full Session (September - March)

Timetable: 12-2 Mondays, Weekly

Requirements of entry: None

Degree Examination taken in: April/May

Resit Examination taken in: August/September

Aims: This course aims to create a context whereby students, who may have no background in formal music making, and who may not necessarily read music to a high standard, can be encouraged to listen to classical music in a more engaged and appreciative manner. The course will put musical works at the centre of our consideration and promote effective and rewarding ways of studying them. The course aims to develop a manner of listening that establishes strong and lasting connections with the means, purpose, and singular achievement of a particular work. As informed listeners who can understand a musical work in its own terms, the course will give students the confidence to discover the diversity of music from the historical canon of Europe and America. The course will prepare students for the further study of music at second level and beyond that, set up patterns and practices which should prove effective at honours level. Semester 1 will cover music from 1600-1750 (Baroque) and 1750-1827 (Classical). Semester 2 will cover music from 1827-1900 (Romantic) and from 1900-1945 (Modern). Some of the repertory studied will tie-in with Glasgow's extremely vibrant musical life, and students will be encouraged to attend high quality live performances of key works (such those given by the BBC Scottish Symphony Orchestra or the Scottish Chamber Orchestra).

Course Co-ordinator: Dr Martin Dixon

### **LKKU MUSICAL TECHNIQUES, FOUNDATION (BMUS)**

Credits: 20

Level: 1

When Taught: Full Session (September - March)

Timetable: 1-hour tutorial or lecture every week Mon 11,12

Requirements of entry: Admission to BMus programme

Assessment: Regular exercises in harmony and counterpoint, 8 submissions evenly spread throughout the year. Provided all 8 submissions achieve a minimum E grade, the assessment for the course as a whole will be based on the best 6 marks. Otherwise it will be based on the average mark of all 8.

Degree Examination taken in: April/May

Resit Examination taken in: August/September

Aims: To outline the principles of counterpoint and harmony, giving students experience in the technique of tonal music

Course Co-ordinator: Dr Jane Stanley

### **9TAU MUSICIANSHIP 1**

Credits: 20

Level: 1

When Taught: Full Session (September - March)

Timetable: Weekly/Fortnightly 1-hour plenary lecture; weekly tutorial in musicianship.

Requirements of entry: There are no formal prerequisites. However, the course assumes a basic competence in general music, such as Higher Music.

Assessment: Continuous assessment throughout the course in aural tests and other short submissions.

Degree Examination taken in: April/May

*Resit Examination taken in:* August/September

*Aims:* To bring together students on all three Music Department degree courses, enabling them to gain a close knowledge of a representative selection of the genres and forms of the repertoire of western art and popular music through the last millennium, and to develop a variety oral, aural and written skills with which to make discriminating analyses of the principal acoustic and structural principles which inform them.

*Course Co-ordinator:* Dr David Code

## LKLU ORCHESTRATION

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* 20 one-hour lectures Tue 4-5 18 class tutorials Wed, 3, 4 Workshop tba 10-1 Individual tutorials (2 hrs)

*Requirements of entry:* Admission to the BMus programme

*Assessment:* Three submissions, weighted 25%, 25%, 50%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce basic principles of instrumentation together with consideration of historical and compositional factors.

*Course Co-ordinator:* Mr William Sweeney

## 1XRB PERFORMANCE LEVEL 1 (FOUNDATION)

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Individual lessons, normally fortnightly over 25 weeks, at times to be arranged between students and teacher; occasional workshops on Thurs, 3-5pm

*Requirements of entry:* B.Mus. - admission to year 1. B.Eng. - entry by audition in October.

*Assessment:* Two recitals of approved programmes, each with a written commentary (not exceeding 500 words), and diary of performances and concert administration undertaken during the session. January - c.10 minutes (25%). June - c.15 minutes (75%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* By the end of the course students will be able: 1) to perform repertoire of approximately the standard of the Advanced Certificate of the Associated Board; while this gives an indication of the standard of difficulty, greater importance is attached to the choice of pieces commensurate with the student's technical competence, to enable him/her to sing or play well. 2) to understand better the contribution to their development as performers of participation in group performance activity, and 3) to appreciate the importance of the organisational and entrepreneurial aspects of music making in relation to public performance.

*Course Co-ordinator:* Dr David Code

## LGXU SONIC ARTS, FOUNDATION

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Weekly lecture-practicals and seminars in the Music Department, generally 1 hour sessions. Some classes may be taught in Electronics & Electrical Engineering.

*Requirements of entry:* Compulsory component course of Music E1 within the BEng Electronics with Music programme; option in Music 2, Music 3 and Music Hons within the MA programme; option in years 2 and 3 of the BMus programme.

*Requirements of entry:* None, but priority will be given to BEng students for whom this is a compulsory course. Places may be limited for students wishing to take this as an option.

*Assessment:* Three assignments challenging students to engage practically and critically with the recording, manipulation, reproduction and experience of sound.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce and explore the nature of sound as an aesthetic and culturally significant material, through the listening and critiquing of recorded sound, synthetic sound and the sounding environment; and to introduce basic sound recording, creative electroacoustic techniques.

*Course Co-ordinator:* Dr Nicolas Fells

## LKMU WRITING ABOUT MUSIC

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* 1-hour lecture/class every week Fri 2-3, plus tutorials

*Requirements of entry:* Admission to the BMus programme

*Assessment:* Continuous assessment: Four essays each of c. 1000 words the first weighted 10% and the remaining three weighted 30%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To examine the way in which arguments, descriptions and analysis of music as a historical phenomenon are clearly presented verbally, while introducing students to a wide range of repertoire.

*Course Co-ordinator:* Prof Marjorie Rycroft

## 0VGV AESTHETICS AND PHILOSOPHY OF MUSIC (APM)

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Three hours per week, 2 as lectures, 1 as seminar.

*Requirements of entry:* Students should have completed the first year in either BMus, MA or BEng.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September



*Aims:* Through the close reading of philosophical and aesthetic writings, this course will attempt to focus critical attention on a number of fundamental musical and cultural ideas and ideologies. We will discuss notions such as the work concept, expression, value, beauty, meaning, authenticity, intention and ownership. Group discussion is a key element of this course and all students will be expected to contribute to weekly seminars.

*Course Co-ordinator:* Dr Martin Dixon

### 9SVV ASPECTS OF MODERNITY (ENGINEERING)

*Credits:* 20 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Two lectures/seminars per week.

*Requirements of entry:* None

*Assessment:* Assignment 1: Analytical essay (25% weighting). Due Monday week 5. Assignment 2: Analytical essay (25% weighting). Due Thursday week 9. Assignment 3: 3000 word essay (50% weighting). Due Monday week 13.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The term 'modernism' has featured prominently in historical and critical debates for more than a century. In this course, students will explore some of the music-historical implications of this term through the study of two particular manifestations of modernism: i) Music and art in fin-de-siècle Paris and Vienna; ii) The post-war avant garde in Europe and America.

*Course Co-ordinator:* Dr David Code

### 9NNV BACH AND THE LUTHERAN PASSION

*Credits:* 20 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* 2 lectures per week during semester. 10 hours of seminars/tutorials spread across semester.

*Requirements of entry:* Completion of first year course in MA, BMus or BEng courses.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students to a wide range of repertoires and traditions centering around the two Passion settings of J.S. Bach. This will involve a study of the Passion tradition from the 16th-century up to Bach, a study of major baroque forms and genres that play a part in Bach's settings (e.g. opera, oratorio, cantata, concerto, motet, recitative). The close study of works of Bach will also introduce issues of theology and the various ways in which the Gospel narratives can be interpreted. The final section of the course will concentrate on the reception of Bach's Passions in the nineteenth century and beyond and the various ways in which this music has contributed to the development of the 'canon' of classical music.

*Course Co-ordinator:* Prof John Butt

### 9SZV COMPOSITION, INTERMEDIATE

*Credits:* 20 *Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Weekly lectures; workshops and tutorials tba.

*Requirements of entry:* D grade in Musicianship.

*Assessment:* Workshop assignment (moderated self-assessment) - 30%; 2 Composition assignments (staff assessed) - 20% and 50%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To enable students to develop and apply a range of compositional skills, through exploration of repertoire and techniques based on contemporary and 20th century approaches to composition.

*Course Co-ordinator:* Mr William Sweeney

### 9SFV MEDIEVAL AND RENAISSANCE MUSIC (UP TO 1500)

*Credits:* 20 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* 2 lectures per week; tutorials tba.

*Requirements of entry:* None

*Assessment:* Three submissions, two in the form of essays (c.1500 words) or compositional exercises in particular historical styles (weighted 25 and 45%), one in the form of a seminar presentation (weighted 30%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce participants to a rich but unfamiliar musical repertory, and to convey an appreciation of the wide range of styles and genres encountered from the beginnings of western notation around 900 up till the year 1550.

*Course Co-ordinator:* Dr Warwick Edwards

### LKJV MUSICAL TECHNIQUES, FOUNDATION (MA/BENG)

*Credits:* 20 *Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Weekly classes

*Requirements of entry:* D grade in Musicianship (9TAU) or Performance, Foundation (1XRB)

*Assessment:* Regular exercises in harmony and counterpoint, 8 submissions evenly spread throughout the year. Provided all 8 submissions achieve a minimum E grade, the assessment for the course as a whole will be based on the best 6 marks. Otherwise it will be based on the average mark of all 8.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To acquire insight into selected historical styles and compositional techniques through analysis and imitation.

*Course Co-ordinator:* Dr Jane Stanley

### **9MYV MUSICAL TECHNIQUES, INTERMEDIATE**

*Credits:* 20 *Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Weekly lectures and/or tutorials.

*Requirements of entry:* D grade in Musical Techniques Foundation.

*Co-requisites:* Composition Intermediate (BMus Only)

*Assessment:* Four pieces of work (each weighted 25%), the better of two submissions from each of the four sections of the course.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To acquire insight into selected historical styles and compositional techniques through analysis and imitation.

*Course Co-ordinator:* Dr Jane Stanley

### **9SGV OPERA (ONLY AVAILABLE IN 2008-2009)**

*Credits:* 20 *Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Weekly lecture plus attendance at performances and rehearsals; workshops as arranged.

*Requirements of entry:* None.

*Assessment:* Three submissions, two essays of ca. 1500 words (30% each) and a group presentation, "From Page to Stage" (40%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course is designed to introduce students to several species of opera from a variety of standpoints: musical, dramatic, historical, etc.; the aims are realized by means of a focus on certain works in the current season of Scottish Opera.

*Course Co-ordinator:* Prof Marjorie Rycroft

### **1XRC PERFORMANCE LEVEL 2 (INTERMEDIATE)**

*Credits:* 20 *Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Individual lessons, normally fortnightly over 25 weeks, at times arranged between students and teacher; occasional workshops on Thurs 3-5pm

*Requirements of entry:* C grade in Performance, Foundation and satisfactory attendance teachers' reports (BEng, BMus); audition, held at beginning of session (MA).

*Assessment:* Two recitals of approved programmes, each with a written commentary (not exceeding 500 words), and a diary of performances and concert administration undertaken during the session. January - c.15 minutes (25%). June - c.20 minutes (75%).

*Degree Examination taken in:* December

*Resit Examination taken in:* April/May

*Aims:* By the end of the course students will be able: 1) to perform repertoire of a degree of difficulty in advance of that for Performance (Foundation); while this gives an indication of the standard of difficulty, greater importance is attached to the choice of pieces of commensurate with the student's technical competence, to enable him/her to sing or play well. 2) to understand better the contribution to their development as performers of participation in group performance activity, and 3) to appreciate the importance of the organisational and entrepreneurial aspects of music making in relation to public performance.

*Course Co-ordinator:* Dr David Code

### **9NMV ROMANTIC SONG**

*Credits:* 20 *Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* 2 lectures per week; 10 tutorials/seminars/workshops spread throughout semester.

*Requirements of entry:* Completion of first-year in MA, BMus or BEng course

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course is designed to introduce students to the tradition of European art song composition, from early German Romanticism through to later Romantic and post-Romantic descendants. It will consist of four units: 1. The early Romantic Lied and song cycle: Schubert and Schumann 2. The later Romantic Lied and song cycle: Brahms, Wolf, Liszt 3. The French melodie: Berlioz, Faure, Debussy, Ravel 4. Post-Romantic Lieder including orchestral song: Mahler, Berg, Strauss

*Course Co-ordinator:* Dr Martin Dixon

### **LMUV SONIC ARTS, FOUNDATION (ARTS NON HONS)**

*Credits:* 20 *Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Weekly lecture-practicals and seminars in the Music Department, generally 1 hour sessions. Some classes may be taught in Electronics & Electrical Engineering.

*Requirements of entry:* Compulsory component course of Music E1 within the BEng Electronics with Music programme; option in Music 2, Music 3 and Music Hons within the MA programme; option in years 2 and 3 of the BMus programme.

*Requirements of entry:* None, but priority will be given to BEng students for whom this is a compulsory course. Places may be limited for students wishing to take this as an option.

*Assessment:* Three assignments challenging students to engage practically and critically with the recording, manipulation, reproduction and experience of sound.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce and explore the nature of sound as an aesthetic and culturally significant material, through

the listening and critiquing of recorded sound, synthetic sound and the sounding environment; and to introduce basic sound recording, creative electroacoustic techniques.

*Course Co-ordinator:* Dr Nicolas Fells

### **LHRV SONIC ARTS, INTERMEDIATE**

*Credits:* 20

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Weekly lecture-practicals and seminars in the Music Department, generally 1 hour sessions.

*Requirements of entry:* Optional component course of Music E2 within the BEng Electronics with Music programme; option in Music 3 and Music Hons within the MA programme; option in years 3 and 4 of the BMus programme. Required: D grade in Sonic Arts, Foundation.

*Assessment:* Assignment work based upon weekly labs, including practical work and essay work.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce and explore sonic arts through theory and practice, using a variety of computer-based musical programming and composition systems; to develop practical and conceptual skill in electroacoustic composition and further critical analysis of electroacoustic music.

*Course Co-ordinator:* Dr Nicolas Fells

### **87LF AESTHETICS AND PHILOSOPHY OF MUSIC (MA/BENG HONS)**

*Credits:* 20

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Three hours per week, 2 as lectures, 1 as seminar.

*Requirements of entry:* Completion of second year of MA or BEng programme

*Assessment:* Two class essays, weighted 40% and 30%. Minimum requirement is submission of 75% by weight of assignments for summative assessment, and 60% attendance.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* Through the close reading of philosophical and aesthetic writings, this course will attempt to focus critical attention on a number of fundamental musical and cultural ideas and ideologies. We will discuss notions such as the work concept, expression, value, beauty, meaning, authenticity, intention and ownership. Group discussion is a key element of this course and all students will be expected to contribute to weekly seminars.

*Course Co-ordinator:* Dr Martin Dixon

### **87LW COMPOSITION, INTERMEDIATE (MA/BENG HONS)**

*Credits:* 20

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Weekly lectures; workshops and tutorials tba.

*Requirements of entry:* Completion of second year of MA or BEng programme

*Assessment:* Workshop assignment (moderated self-assessment) - 30%; 2 Composition assignments (staff assessed) - 20% and 50%. Minimum requirement is submission of 75% by weight of assignments for summative assessment, and 60% attendance.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To enable students to develop and apply a range of compositional skills, through exploration of repertoire and techniques based on contemporary and 20th century approaches to composition.

*Course Co-ordinator:* Dr Nicolas Fells

### **KKYW HISTORIOGRAPHY & CRITICISM**

*Credits:* 30

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* 2 lectures/seminars per week.

*Requirements of entry:* D grade in two level 1-2 History of Music courses.

*Assessment:* Continuous assessment, comprising two essays (60%) and two seminar presentations (40%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To survey various approaches to the understanding of historical processes in music. Topics in historiography, source studies, principles of criticism, aesthetics and historical interpretation will be covered.

*Course Co-ordinator:* Dr David Code

### **87LR MUSICAL TECHNIQUES, INTERMEDIATE (MA/BENG HONS)**

*Credits:* 20

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Weekly lectures and/or tutorials.

*Requirements of entry:* Completion of second year of MA or BEng programme, plus D Grade in Musical Techniques, Foundation (LKJV).

*Assessment:* Four pieces of work (each weighted 25%), the better of two submissions from each of the four sections of the course. Minimum requirement is submission of 75% by weight of assignments for summative assessment, and 60% attendance.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To acquire insight into selected historical styles and compositional techniques through analysis and imitation.

*Course Co-ordinator:* Prof Marjorie Rycroft

### **87LV POPULAR MUSIC (MA/BENG HONS)**

*Credits:* 20

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Taught in alternate years. Weekly lectures plus additional events and workshops, as announced.

*Requirements of entry:* Completion of second year of MA or BEng programme.

*Assessment:* Continuous assessment. Three submissions during the session in the form of: annotated transcriptions from performances or recordings; compositional exercises in particular styles or genres; essays. Minimum requirement is submission of 75% by weight of assignments for summative assessment, and 60% attendance.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To understand some of the basic principles of composition and analysis of music, using the materials of the popular music repertoire of the past 100 years as a starting point.

*Course Co-ordinator:* Mr William Sweeney

### **87LS ROMANTIC SONG (MA/BENG HONS)**

*Credits:* 20

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* 2 lectures per week; 10 tutorials/seminars/workshops spread throughout semester.

*Requirements of entry:* Completion of second year of MA or BEng programme

*Assessment:* Three class essays, weighted 30%, 30% and 40%. Minimum requirement is submission of 75% by weight of assignments for summative assessment, and 60% attendance.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course is designed to introduce students to the tradition of European art song composition, from early German Romanticism through to later Romantic and post-Romantic descendants. It will consist of four units: 1. The early Romantic Lied and song cycle: Schubert and Schumann 2. The later Romantic Lied and song cycle: Brahms, Wolf, Liszt 3. The French melodie: Berlioz, Faure, Debussy, Ravel 4. Post-Romantic Lieder including orchestral song: Mahler, Berg, Strauss

*Course Co-ordinator:* Dr Martin Dixon

### **87LP COMPOSITION, HIGHER (BENG)**

*Credits:* 20

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* Weekly lectures; workshops and tutorials tba.

*Requirements of entry:* D grade in 9SZV (Composition, Intermediate)

*Assessment:* 1 Workshop (moderated self-assessment) - 20%; 1 Composition for prescribed ensemble - 30%; 1 Free Composition - 50%. Minimum requirement is submission of 75% by weight of assignments for summative assessment, and 60% attendance.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To enable students with a particular talent for composition to take an additional composition unit in which the emphasis is on guided individual work, rather than on particular repertoires or techniques.

*Course Co-ordinator:* Dr Nicolas Fells

### **87LG MUSICAL TECHNIQUES, INTERMEDIATE (MA/BENG HONS)**

*Credits:* 20

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* Weekly lectures and/or tutorials.

*Requirements of entry:* Completion of second year of MA or BEng programme, plus D Grade in Musical Techniques, Foundation.

*Assessment:* Four pieces of work (each weighted 25%), the better of two submissions from each of the four sections of the course.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To acquire insight into selected historical styles and compositional techniques through analysis and imitation.

*Course Co-ordinator:* Prof Marjorie Rycroft

### **87LQ PERFORMANCE HIGHER (BENG)**

*Credits:* 20

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* Individual lessons, normally weekly over 22 weeks, at times arranged between students and teacher; occasional 2-hour workshops; University concerts, attendance and concert administration.

*Requirements of entry:* C grade in Performance Intermediate (1XRC) and satisfactory attendance and teacher's reports.

*Assessment:* Two recitals of approved programmes, each with a written performance commentary (not exceeding 750 words), and diary of performances and concert administration undertaken during the session. December recital, c. 15 minutes (25%), May recital, c. 30 minutes (75%). Minimum requirement is submission of 75% by weight of assignments for summative assessment, and 60% attendance.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Private instructors and course leader will endeavour to prepare students to attain the levels of attainment specified in the Intended Learning Outcomes

*Course Co-ordinator:* Prof Marjorie Rycroft

## Philosophy

### 1CVU PHILOSOPHY 1K: KNOWLEDGE AND THE WORLD

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* The Class Hour is 10.00 am to 11.00 am daily or 2 to 3 pm daily. Fortnightly meeting of tutorial groups.

*Assessment:* One essay (40%) and a final examination (60%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To introduce students to the study of Philosophy via the study of issues, theories and types of argument arising in epistemology, philosophy of mind and metaphysics. To prepare students for more advanced study in philosophy. To foster analytical thinking via (a) the identification and clarification of conceptual relationships and (b) the identification and evaluation of assumptions and arguments. To develop skills of interpretation, criticism, clarity, relevance and sound argumentation.

*Course Co-ordinator:* Dr Christopher Lindsay

### 1CUU PHILOSOPHY 1M: RIGHT AND WRONG

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* The Class Hour is 10.00 am to 11.00 am daily or 2 to 3 pm daily. Weekly meeting of tutorial groups.

*Assessment:* One essay (40%) and a final examination (60%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students to the study of philosophy via the study of issues, theories and types of argument characteristic of moral and political philosophy (but without presupposing or seeking to promote any particular set of moral or political beliefs in the student). To prepare students for more advanced studies in philosophy. To foster analytical thinking, including (a) identifying and clarifying conceptual relationships and (b) identifying and questioning assumptions. To foster interpretation and evaluation of philosophical writings, classic and modern. To develop the skills of criticism and sound argumentation. To foster the communication skills of clarity, relevance and structured reasoning.

*Course Co-ordinator:* Dr Michael Brady

### 8OBV PHILOSOPHY 2K: KNOWLEDGE, MEANING & INFERENCE

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* The class hour is 12.00 noon to 1.00 p.m. daily. Weekly meetings of tutorial groups and logic tutorial groups.

*Requirements of entry:* Grade D in a level 1 Philosophy course

*Excluded Courses:* Philosophy 7ECV - Knowledge, Meaning and Inference.

*Assessment:* One essay (40%) and a final examination (60%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To continue the study of philosophical issues, theories and types of argument in the theory of knowledge, metaphysics and philosophy of mind. To prepare students for more advanced study in philosophy. To foster interpretation and evaluation of philosophical writings, classic or modern. To develop the skills of criticism and sound argumentation. To foster rigorous critical thinking, including (a) identifying and clarifying conceptual relationships; (b) identifying and questioning assumptions, including one's own; (c) mastering challenging material. To foster the communication skills of clarity, relevance, structured reasoning, and concise expression.

*Course Co-ordinator:* Dr Gary Kemp

### 8OCV PHILOSOPHY 2M: MORALITY, POLITICS & AUTHENTICITY

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* The class hour is 12 noon to 1 p.m. daily. Weekly meetings of tutorial groups.

*Requirements of entry:* Grade D in a level 1 Philosophy Course

*Excluded Courses:* PHIL 7EDV, Morality, Politics and Authenticity.

*Assessment:* One essay (40%) and a final examination (60%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To survey arguments in moral and political philosophy, building on Level 1 Philosophy courses. Content aims: to provide the student with a broad theoretical and historical background in moral and political philosophy. Skill aims: to foster analytical thinking, including (1) identifying and clarifying conceptual relationships and (2) identifying and questioning assumptions; to foster interpretation and evaluation of philosophical writings; to develop the skills of criticism and sound argumentation; to foster the communication skills of clarity, relevance, and structured reasoning.

*Course Co-ordinator:* Mr Paul Brownsey

### 375F PHILOSOPHY 3H (JOINT)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* The Class hours are 11.00 a.m. to 12.00 noon and 12.00 noon to 1.00 p.m. daily, together with other hours to be arranged.

*Requirements of entry:* Normally two Level 2 Philosophy courses with B in one and C in the other.

*Assessment:* All courses will be assessed at the end of the year in which they are taken. Grades for the six courses count equally in determining the final degree classification.

*Degree Examination taken in:* April/May

*Aims:* To give students a grounding in the central regions of philosophy needed for more advanced study; to teach students to distinguish different types of question and the different methods appropriate to answering them; to encourage students to engage with the topics and debate them for themselves. Skill aims: To foster analytical thinking, including (1) identifying and clarifying conceptual relationships and (2) identifying and questioning assumptions; to foster interpretation and evaluation of philosophical writings, classic or modern; to develop the skills of criticism and sound argumentation; to foster the communication skills of clarity, relevance, and structured reasoning.

*Honours Course Prescription:* In addition to 120 credits from the other subject, the student selects six 20-credit courses in philosophy, comprising three Junior Honours courses in the Junior year (see list under 375H) and three Senior Honours courses in the Senior year.

*Course Co-ordinator:* Dr Adam Rieger

### **375H PHILOSOPHY 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* The Class hours are 11.00 a.m. to 12 noon and 12 noon to 1.00 p.m. daily, together with other hours to be arranged

*Requirements of entry:* Normally two Level 2 Philosophy courses with B in one and C in the other.

*Assessment:* All courses will be assessed at the end of the year in which they are taken. Grades for the twelve courses count equally in determining the final degree classification. The dissertation (written and submitted in fourth year) carries the same weight as one course.

*Degree Examination taken in:* April/May

*Aims:* General aims: To give students a grounding in the central regions of philosophy needed for more advanced study; to teach students to distinguish different types of question and the different methods appropriate to answering them; to encourage students to engage with the topics and debate them for themselves; to teach students to distinguish different types of question and the different methods appropriate to answering them; to encourage students to engage with the topics and debate them for themselves. Skills aims: To foster analytical thinking, including (1) identifying and clarifying conceptual relationships and (2) identifying and questioning assumptions; to foster interpretation and evaluation of philosophical writings, classic or modern; to develop the skills of criticism and sound argumentation; to foster the communication skills of clarity, relevance, and structured reasoning.

*Honours Course Prescription:* Six courses chosen from the following list of Junior Honours courses: History of Modern Philosophy 1, Metaphysics, Epistemology,

Philosophy of Language, Philosophy of Mind, Formal Logic, History of Moral and Political Philosophy, Political Philosophy, Moral Philosophy. These will normally be taken in the 3H year. In the fourth year, single honours students write a dissertation in philosophy and choose five courses from a list of Senior Honours courses, which varies from year to year.

*Course Co-ordinator:* Dr Adam Rieger

### **375J PHILOSOPHY 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* The Class hours are 11.00 a.m. to 12 noon and 12 noon to 1.00 p.m. daily, together with other hours to be arranged

*Requirements of entry:* Normally two Level 2 Philosophy courses with B in one and C in the other.

*Assessment:* Grades for the 7 courses, the dissertation, and one and a half coursework grades all count equally. The coursework grades are made up as follows: on the whole grade is the average of the marks for the 8 questions in the Junior Honours class examination (two questions on each Junior Honours course); the half grade is mark for the Junior Honours presentation.

*Degree Examination taken in:* April/May

*Aims:* General aims: To give students a grounding in some of the central doctrines in philosophy and in the classic texts where these doctrines were first expounded; to teach students to distinguish different types of question and the different methods appropriate to answering them; to encourage students to engage with the topics and debate them for themselves. Skills aims: To foster analytical thinking, including (1) identifying and clarifying conceptual relationships and (2) identifying and questioning assumptions; to foster interpretation and evaluation of philosophical writings, classic or modern; to develop the skills of criticism and sound argumentation; to foster the communication skills of clarity, relevance, and structured reasoning.

*Honours Course Prescription:* You choose twelve 20-credit courses, comprising six Junior Honours courses in the Junior year and six Senior Honours courses in the Senior year. One of the senior honours courses must be the Dissertation.

*Course Co-ordinator:* Dr David Bain

### **375G PHILOSOPHY 4H (JOINT)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* The Class hours are 11.00 a.m. to 12.00 noon and 12.00 noon to 1.00 p.m. daily, together with other hours to be arranged.

*Requirements of entry:* Average grades of at least D in the Junior Honours courses.

*Assessment:* All courses will be assessed at the end of the year in which they are taken. Grades for the six courses taken in Junior and Senior Honours courses count equally in determining the final degree classification.

*Degree Examination taken in:* April/May

*Aims:* To give students a grounding in some of the central doctrines in philosophy and in the classic texts where these doctrines were first expounded; to teach students to distinguish different types of question and the different methods appropriate to answering them; to encourage students to engage with the topics and debate them for themselves. *Skill aims:* To foster analytical thinking, including (1) identifying and clarifying conceptual relationships and (2) identifying and questioning assumptions; to foster interpretation and evaluation of philosophical writings, classic or modern; to develop the skills of criticism and sound argumentation; to foster the communication skills of clarity, relevance, and structured reasoning.

*Honours Course Prescription:* You choose six 20-credit courses, comprising three Junior Honours courses in the Junior year and three Senior Honours courses in the Senior year.

*Course Co-ordinator:* Dr David Bain

## Physics & Astronomy

### LYEU ASTRONOMY 1

*Credits:* 40 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Lectures daily at 10am. Laboratories certain Mondays or Thursdays at 2.30pm-5.30pm.

*Requirements of entry:* Pass in Maths SQA Higher or equivalent. Pass in Physics SQA Standard Grade or equivalent. (Pass in Physics SQA Higher or equivalent is advised).

*Excluded Courses:* Exploring the Cosmos 1X, Exploring the Cosmos 1Y

*Assessment:* Degree exam (2 papers) - 55%; Tutorials - 10%; Labs - 15%; Class tests - 20%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To present a general introduction to the subject of astronomy and in particular the areas of solar system physics, positional astronomy and dynamical astronomy and in the context of the wider universe: namely stars & galaxies and cosmology; To introduce students to some practical aspects of astronomy through laboratory work; To encourage students to organise their time and work effectively; To introduce students to aspects of observational techniques in astronomy.

*Course Co-ordinator:* Dr Martin Hendry

### 2PLU EXPLORING THE COSMOS 1X

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Daily at 1.00 pm

*Assessment:* One 2 hour examination (80%), continuous assessment (20%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* (1) To survey our present understanding of the solar system and of the Sun as the source of energy for life on Earth, together with the possibility of life elsewhere. (2) To provide in this context, for students who do not propose to enter an Honours course in physics, some understanding of how data are gathered, evidence assessed, and argument conducted in a physical science. (3) To convey some appreciation of key episodes in the historical development of our knowledge of the Sun and the solar system.

*Course Co-ordinator:* Dr Peter Sneddon

### 2PMU EXPLORING THE COSMOS 1Y

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Daily at 1.00 pm.

*Assessment:* One 2 hour examination (80%), continuous assessment (20%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) To survey our present understanding of the structure and evolution of stars, galaxies and the universe as a whole, and how this is derived from investigating the full range of radiation incident on the Earth. (2) To give some appreciation of key episodes in the historical development of this understanding. (3) To provide in this context, for some students not proposing to enter an Honours course in physics, some understanding of how data are gathered, evidence assessed and argument conducted in a physical science.

*Course Co-ordinator:* Dr Peter Sneddon

### LXWU PHYSICS 1

*Credits:* 40 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 9.00am and 1.00pm. Laboratories and tutorials as arranged.

*Requirements of entry:* Pass in Mathematics and normally Physics (SQA Higher or equivalent). In addition, students who wish to follow the 'advanced topics' part of the course should have grade A or B in Advanced Higher Physics.

*Assessment:* Degree exam (2 papers) - 60%; Course workshops - 20%; Labs - 20%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To ensure students understand the basic ideas of physics in the areas of dynamics (from a vectorial point of view), waves & optics and thermal physics, electricity, electronics and magnetism (using vector formalism where appropriate), and quantum phenomena, as a foundation for more advanced study of physics and for application in other sciences; To introduce more advanced topics, particularly special relativity, lasers elementary particle physics; To develop and then extend student's experience of experimental physics, by performing and analysing data from a number of straightforward experiments; To develop practice in problem solving, requiring the application of mathematics to

explain physical phenomena; To develop the student's ability to keep laboratory records and write reports, including use of a word-processor package, and to introduce and then extend the use of a spreadsheet package for the presentation of results and the analysis of experimental results; To introduce students to group working within the laboratory setting, and to joint discussion of problem solving strategies within small-group sessions.

*Course Co-ordinator:* Dr Stephen McVitie

## LYGV ASTRONOMY 2

*Credits:* 30

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Lectures, tutorials and supervisions held on Tuesday, Wednesday and Thursday at 11.00am; laboratory Friday 2.30pm-5.30pm.

*Requirements of entry:* Astronomy 1 normally at grade D or better.

*Assessment:* One 2 hour paper (50%), assessment of class and laboratory work (30%) and two class tests (20%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To present an in-depth study, consolidating the elementary introduction of Level 1, of four major themes: observational astrophysics, theoretical astrophysics, stars and their spectra, and relativity and gravitation; To provide training in the principles and practice of astrophysical observing techniques and data analysis using spreadsheets; To provide students with the opportunity to perform fieldwork at a 'dark sky' location, using modern equipment to observe real astrophysical objects; To encourage students to work effectively and to begin to take responsibility for their own education, and to develop their oral and written communication skills.

*Course Co-ordinator:* Dr Lyndsay Fletcher

## 2PLV EXPLORING THE COSMOS 2X

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* The class will meet twice weekly 14:00-15:00, Mondays and Wednesdays, weeks 1-12.

*Requirements of entry:* 40 credits at grade D or above in any of: Exploring the Cosmos 1X/1Y; Astronomy 1X/1Y; Physics 1X/1Y; Physics 1P/1Q; Electrical Engineering 1.

*Assessment:* 1-hour degree examination (80%); 2 class tests (20%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course is designed to give a survey of our present understanding of 'The Birth of the Universe' from the Big Bang to the formation of Life on Earth. It is intended for students not wishing to enter an Honours course in Astronomy. The course will particularly focus on Cosmology and how recent discoveries and breakthroughs which are presently taking place at a breath-taking pace may confirm or overturn some of our the-

ories of how the Universe and indeed Life itself began. It aims to provide students with an understanding of how astrophysical/chemical data are gathered and interpreted and argument conducted to answer these very fundamental questions.

*Course Co-ordinator:* Dr Morag Casey

## 2PMV EXPLORING THE COSMOS 2Y

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* The class will meet twice weekly. Mondays and Wednesdays 1400-1500

*Requirements of entry:* 40 credits at Level D or above in any of: 1) Exploring the Cosmos 1X/1Y; 2) Astronomy 1X/1Y; 3) Physics 1X/1Y; 4) Physics 1P/1Q; 5) Electrical Engineering 1; 6) Earth Science 1X

*Assessment:* 1 hour degree examination (80%); 2 class tests (20%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is designed to address the physical factors that affect life on Earth through both structural and atmospheric influences. This is achieved mainly by the studies of geophysical systems on the Earth supplemented by comparisons with the terrestrial planets, revealing the forces that shape these planets. It also aims to introduce and explain the techniques of remote sensing which allow observation of physical parameters of the atmospheres, surface compositions and structures of the Earth, Mars and Venus. The course will explain how physical systems such as the atmosphere and magnetosphere determine the environment on Earth and will compare this with the environments on Venus and Mars. In addition, it will show in what ways the Earth is best suited to the development of life and indicate how this affects the search for extraterrestrial life.

*Course Co-ordinator:* Dr Morag Casey

## LXZV PHYSICS 2

*Credits:* 60

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Daily: 12.00 noon. Laboratories: 3 hours per week.

*Requirements of entry:* Physics 1, Mathematics 1R or 1X and Mathematics 1S, 1T or 1Y, normally all at grade D or better.

*Excluded Courses:* Physics 2U

*Assessment:* One 3 hour paper (50%), assessment of coursework (50%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To offer a study regime which affords an opportunity to learn and understand the main principles of a number of areas of physics, oscillatory & wave behaviour in classical & quantum systems, Newtonian dynamics, the statistical basis of measurement, the structural & electrical properties of crystals, rotational dynamics in



an astronomical context, thermal properties at a microscopic level, further elements of electricity and magnetism and introductory nuclear and particle physics; To provide training in the principles and practice of physical measurement techniques, and data analysis using spreadsheets; To continue to develop the student's transferable information retrieval and communications skills; To encourage students to work effectively, including as part of a team, and to begin to take responsibility for their own education; To provide training in the principles and practice of physical measurement techniques and data analysis including evaluation of experimental uncertainties; To continue to develop the student's transferable skills in oral and written communication and computer algebra as an aid to problem solving.

*Course Co-ordinator:* Dr David Ireland

### 9FWV PHYSICS 2T: C PROGRAMMING UNDER LINUX

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* The lectures will be on Tuesdays and Thursdays at 14:00 during Semester 1. The supervised laboratory sessions will be at times to be agreed with the class. The laboratory will also be available to students at other times during weekdays provided the PCs are not in use by another timetabled class.

*Requirements of entry:* 40 credits at Level 1 with a grade point average of 10

*Co-requisites:* None

*Assessment:* Practical work 30%, Programming test 20%, Degree examination 50%

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are to provide students with a solid grounding in C programming, together with an understanding of the use of the LINUX operating system and experience of using the tools available under LINUX for C programming.

*Course Co-ordinator:* Prof Ralf Kaiser

### 4BMV PHYSICS 2U: LABORATORY SKILLS

*Credits:* 10

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Laboratories: 3 hours per week. Monday or Tuesday or Thursday or Friday 2.00 pm - 5.00 pm

*Requirements of entry:* Physics 1X or 1P and Physics 1Y or 1Q at grade point average of 10

*Excluded Courses:* Physics 2X, Physics 2Y

*Assessment:* Assessment of coursework (100%)

*Aims:* To teach transferable skills, spreadsheets, data acquisition and analysis, preparation of reports and oral presentations, information retrieval, experimental skills and use of measurement apparatus. This course is taught in the context of experiments in Physics.

*Course Co-ordinator:* Dr Craig Buttar

### 400F ASTRONOMY 3H (COMBINED) B.Sc

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Wednesday, Friday: 2.00 pm - 5.00 pm; Labs: Monday 12.30 pm - 5.30 pm

*Requirements of entry:* Astronomy and Subject: Astronomy 2Z at Grade D, plus departmental requirement for Subject, all normally at first diet of examinations.

*Assessment:* 75 minute written paper per lecture course component (3) (66.6%); astronomy lab project (16.7%); astronomy oral seminar project (16.7%)

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To illustrate the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of topics relevant to aspects of modern astronomy; (4) To provide training and experience in the principles and practice of astronomical observation and measurement and in the reduction and analysis of observational data; (5) To develop the students' ability to work effectively, singly and in small groups, to reinforce their individual responsibility for their own learning and understanding and to develop further their communication skills.

*Honours Course Prescription:* Galaxies AND Stellar Structure and Evolution OR Instruments for Optical and Radio Astronomy AND Astronomical Data Analysis; 1 option from High Energy Astrophysics OR Circumstellar Matter, or 1 option from Cosmology OR Exploring Planetary Systems.

*Course Co-ordinator:* Dr Declan Diver

### 0SAF ASTRONOMY 3M (JOINT)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Wednesday and Friday afternoons 2.00-5.00pm. Astronomy laboratory: Selected Mondays 12.30 pm-5.30 pm.

*Requirements of entry:* Astronomy and Subject: Astronomy 2Z at grade B, plus departmental requirement for Subject, all normally at first diet of examinations.

*Assessment:* 75 minute written paper per lecture course component (3) (66.6%); astronomy lab project (16.7%); astronomy oral seminar project (16.7%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an in-depth integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments of aspects of modern astrophysics; (4) To offer the opportunity to

apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (5) To develop the student's problem solving ability, communication and presentation skills to a level appropriate to an academic, research or industrial career; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology; 1 option from Galaxies OR Circumstellar Matter, or 1 option from Astronomical Data Analysis OR Exploring Planetary Systems.

*Course Co-ordinator:* Dr Declan Diver

### 0SDF ASTRONOMY 3M\* (COMBINED)

*Credits:* 80 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Wednesday and Friday afternoons 2.00-5.00pm. Other meetings at times to be arranged. Astronomy laboratory: Selected Mondays 12.30 pm-5.30 pm.

*Requirements of entry:* Astronomy and Subject: Astronomy 2Z at grade B, plus departmental requirement for Subject, all normally at first diet of examinations.

*Assessment:* 75 minute written paper per lecture course component (4.5) (75.0%); astronomy lab project (12.5%); astronomy oral seminar project (12.5%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an in-depth integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments of aspects of modern astrophysics; (4) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (5) To develop the student's problem solving ability, communication and presentation skills to a level appropriate to an academic, research or industrial career; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Stellar Structure and Evolution AND High Energy Astrophysics AND Plasma Theory and Diagnostics OR Instruments for Optical and Radio Astronomy AND Cosmology AND General Relativity and Gravitation; 1 option from Galaxies OR Circumstellar Matter, or 1 option from Astronomical Data Analysis OR Exploring Planetary Systems.

*Course Co-ordinator:* Dr Declan Diver

### 4WWW ASTRONOMY 3P

*Credits:* 60 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Wednesday, Friday: 2.00 pm - 5.00 pm; Labs: Monday 12.30 pm - 5.30 pm

*Requirements of entry:* Astronomy 2Z at Grade D

*Assessment:* 75 minute written paper per lecture course component (3) (66.6%); astronomy lab project (16.7%); astronomy oral seminar project (16.7%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) To present an integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To illustrate the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of topics relevant to aspects of modern astronomy; (4) To provide training and experience in the principles and practice of astronomical observation and measurement and in the reduction and analysis of observational data; (5) To develop the students' ability to work effectively, singly and in small groups, to reinforce their individual responsibility for their own learning and understanding and to develop further their communication skills.

*Course Co-ordinator:* Dr Declan Diver

### 447F PHYSICS 3H (COMBINED)

*Credits:* 60 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1 OR 2.

*Requirements of entry:* Physics 2X, 2Y, and Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 10 plus departmental requirement for Subject, all normally at first diet of examinations. Physics and Arts Subjects (MA): Physics 2X, 2Y at a grade point average of 10.

*Assessment:* 75 minute written paper per lecture course component (3) (66.6%); assessment of laboratory/IT skills (33.4%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which provides the student with knowledge and understanding of key principles and methods of modern physics; (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications; (3) To provide training in the principles and practice of physical measurement techniques and scientific data analysis, and give the opportunity to the student to apply these in performing an extended project; (4) To develop the student's transferable skills, concentrating on work in a group, the writing of reports on group and individual project work, and in verbal communication of such results; (5) To develop the students' ability to work effectively and to reinforce their individual responsibility for their own learning.

*Honours Course Prescription:* Mathematical Methods; Waves and Diffraction; Quantum Mechanics.

*Course Co-ordinator:* Dr Stephen McVitie

### 447H PHYSICS 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Laboratory: Tuesday and Thursday 11 am-5 pm; attend Semesters 1 and 2.

*Requirements of entry:* Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 10, all normally at first diet of examination.

*Assessment:* 75 minute written paper per lecture course component (6) (66.6%); assessment of laboratory/IT skills (16.7%) (see course guide); group project (16.7%)

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which provides the student with knowledge and understanding of key principles and methods of modern physics; (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications; (3) To provide training in the principles and practice of physical measurement techniques and scientific data analysis, and give the opportunity for the student to apply these in performing an extended project; (4) To develop the student's transferable skills, concentrating on work in a group (single honours students), the writing of reports on group and individual project work, and in verbal communication of such results; (5) To develop the students' ability to work effectively and to reinforce their individual responsibility for their own learning.

*Honours Course Prescription:* Mathematical Methods; Waves and Diffraction; Thermal Physics; Circuits and Systems; Quantum Mechanics; and one option from Numerical Methods; Modern Optics; Medical Imaging.

*Course Co-ordinator:* Dr Stephen McVitie

### 0STF PHYSICS 3M (COMBINED)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semesters 1 or 2.

*Requirements of entry:* Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 14, plus departmental requirement for combined subject, all normally at first diet of examination.

*Assessment:* 75 minute written paper per lecture course component (3) (66.6%); assessment of physics laboratory/IT skills (33.4%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in

depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Mathematical Methods; Waves and Diffraction; Quantum Mechanics.

*Course Co-ordinator:* Dr Stephen McVitie

### 0RSH PHYSICS 3M (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semesters 1 and 2.

*Requirements of entry:* Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 14, all normally at first diet of examination.

*Assessment:* 75 minute written paper per lecture course component (6) (66.6%); assessment of physics laboratory/IT skills (16.7%); group project (16.7%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Mathematical Methods; Waves and Diffraction; Thermal Physics; Circuits and Systems; Quantum Mechanics; and one option from Numerical Methods; Modern Optics; Medical Imaging.

*Course Co-ordinator:* Dr Stephen McVitie

### OSWF PHYSICS 3M\* (COMBINED)

*Credits:* 80

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semesters 1 or 2.

*Requirements of entry:* Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 14, plus departmental requirement for combined subject, all normally at first diet of examination.

*Assessment:* 75 minute written paper per lecture course component (4.5) (75.0%); assessment of physics laboratory/IT skills (25.0%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Mathematical Methods; Waves and Diffraction; Quantum Mechanics; Electromagnetism 1; Mathematical Methods 2.

*Course Co-ordinator:* Dr Stephen McVitie

### ORRH PHYSICS 3M\* (SINGLE)

*Credits:* 160

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semesters 1 and 2.

*Requirements of entry:* Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 14, all normally at first diet of examination.

*Assessment:* 75 minute written paper per lecture course component (9) (75.0%); assessment of physics laboratory/IT skills (12.5%); group project (12.5%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications

of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Mathematical Methods; Waves and Diffraction; Thermal Physics; Circuits and Systems; Quantum Mechanics; Electromagnetism 1; Mathematical Methods 2; and two options from Numerical Methods; Modern Optics; Medical Imaging.

*Course Co-ordinator:* Dr Stephen McVitie

### 4BRW PHYSICS 3P

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1 OR 2.

*Requirements of entry:* Physics 2X and 2Y at a grade point average of 10.

*Assessment:* 75 minute written paper per lecture course component (3) (66.7%); assessment of laboratory/IT skills (33.3%) (see course guide)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) To present a course of study which provides the student with knowledge and understanding of key principles and methods in a limited number of areas of modern physics (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications (3) To provide some training in the principles and practice of physical measurement techniques, scientific data analysis, and communication skills (4) To encourage students to work effectively and to grow in their ability to take responsibility for their own learning.

*Course Co-ordinator:* Dr Stephen McVitie

### 4BTW PHYSICS 3Q

*Credits:* 80

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1 OR 2.

*Requirements of entry:* Physics 2X and 2Y at a grade point average of 10

*Assessment:* 75 minute written paper per lecture course component (5) (75.0%); assessment of laboratory/IT skills (25.0%) (see course guide)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) To present a course of study which provides the student with knowledge and understanding of key principles and methods in a selected number of areas of modern physics (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications (3) To provide some training in the principles and practice of physical measurement techniques, scientific data analysis, and communication skills (4) To encourage students to work effectively and to grow in their ability to take responsibility for their own learning.

*Course Co-ordinator:* Dr Stephen McVitie

### 4BWW PHYSICS 3R

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1 and 2.

*Requirements of entry:* Physics 2X and 2Y at a grade point average of 10.

*Assessment:* 75 minute written paper per lecture course component (6) (66.6%); assessment of laboratory/IT skills (16.7%) (see course guide); group project (16.7%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) To present a course of study which provides the student with knowledge and understanding of key principles and methods in a selected number of areas of modern physics (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications (3) To provide some training in the principles and practice of physical measurement techniques, scientific data analysis, and communication skills (4) To encourage students to work effectively and to grow in their ability to take responsibility for their own learning.

*Course Co-ordinator:* Dr Stephen McVitie

### 0RQH PHYSICS WITH ASTROPHYSICS 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1. Astronomy laboratory: Selected Mondays 12.30 pm-5.30 pm.

*Requirements of entry:* Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 10, all normally at first diet of examination. Additionally Astronomy 1X and 1Y or Exploring the Cosmos 1X

and 1Y at grade D, normally at first diet of examination.

*Assessment:* 75 minute written paper per lecture course component (6) (66.6%); assessment of physics laboratory/IT skills (16.7%); astronomy lab project (8.35%); astronomy oral seminar project (8.35%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which provides the student with knowledge and understanding of key principles and methods of modern physics; (2) To illustrate the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications and modern astronomy; (4) To provide training in the principles and practice of physical measurement techniques, astronomical observation and scientific data analysis, and give the opportunity for the student to apply these in performing extended project work; (5) To develop the students' ability to work effectively, singly and in small groups, to reinforce their individual responsibility for their own learning and understanding and to develop further their communication skills.

*Honours Course Prescription:* Mathematical Methods; Waves and Diffraction; Thermal Physics; Quantum Mechanics; plus EITHER Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology.

*Course Co-ordinator:* Dr Stephen McVitie

### 0RYH PHYSICS WITH ASTROPHYSICS 3M (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1. Astronomy laboratory: Selected Mondays 12.30 pm-5.30 pm.

*Requirements of entry:* Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 14, all normally at first diet of examination. Additionally Astronomy 1X and 1Y at grade D, normally at first diet of examination.

*Assessment:* 75 minute written paper per lecture course component (6) (66.6%); assessment of physics laboratory/IT skills (16.7%); astronomy lab project (8.35%); astronomy oral seminar project (8.35%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astrophysics; (4) To provide training and experience in the principles and practice of physical measure-

ment techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (5) To develop measurement, problem solving and critical assessment, and communication skills and apply them in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Mathematical Methods; Waves and Diffraction; Thermal Physics; Quantum Mechanics; plus EITHER Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology.

*Course Co-ordinator:* Dr Stephen McVitie

### ORZH PHYSICS WITH ASTROPHYSICS 3M\* (SINGLE)

*Credits:* 160

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1. Astronomy laboratory: Selected Mondays 12.30 pm-5.30 pm.

*Requirements of entry:* Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 14, all normally at first diet of examination. Additionally Astronomy 1X and 1Y at grade D, normally at first diet of examination.

*Assessment:* 75 minute written paper per lecture course component (9) (75.0%); assessment of physics laboratory/IT skills (12.6%); astronomy lab project (6.2%); astronomy oral seminar project (6.2%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astrophysics; (4) To provide training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (5) To develop measurement, problem solving and critical assessment, and communication skills and apply them in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Mathematical Methods; Waves and Diffraction; Thermal Physics; Quantum Mechanics; Electromagnetism 1; Mathematical Methods 2. Plus EITHER Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology. Plus EITHER

Plasma Theory and Diagnostics OR General Relativity and Gravitation.

*Course Co-ordinator:* Dr Stephen McVitie

### JSZW PHYSICS WITH ASTROPHYSICS 3R

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1. Astronomy laboratory: Selected Mondays 12.30 pm-5.30 pm.

*Requirements of entry:* Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 10, all normally at first diet of examination. Additionally Astronomy 1X and 1Y or Exploring the Cosmos 1X and 1Y at grade D, normally at first diet of examination.

*Assessment:* 75 minute written paper per lecture course component (6) (66.6%); assessment of physics laboratory/IT skills (16.7%); astronomy lab project (8.35%); astronomy oral seminar project (8.35%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* (1) To present a course of study which provides the student with insight into and general understanding of key principles and methods of modern physics; (2) To introduce the application of methods of mathematics and physics in an astrophysical context; (3) To provide training in the principles and practice of physical measurement techniques, astronomical observation and scientific data analysis; (4) To develop the students' ability to work effectively, singly and in small groups, to reinforce their individual responsibility for their own learning and understanding and to develop their communication skills.

*Course Co-ordinator:* Dr Stephen McVitie

### OSFH PHYSICS WITH ASTROPHYSICS 4M (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons 2.00-5.00 pm. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 2.

*Requirements of entry:* Grade A-D pass at 3M Physics with Astrophysics (single) at May/June examination diet.

*Assessment:* 75 minute written paper per lecture course component (8) (88.9%); assessment of physics MSci laboratory (11.1%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional

physicist; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astrophysics; (4) To provide training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (5) To develop measurement, problem solving and critical assessment, and communication skills and apply them in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Solid State; Nuclear and Particle Physics; Atomic Systems; Electromagnetism 1; Mathematical Methods 2; Plasma Theory and Diagnostics OR General Relativity and Gravitation; Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology; M-laboratory.

*Course Co-ordinator:* Dr I MacGregor

#### **400G ASTRONOMY 4H (COMBINED) B.Sc**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Wednesday, Friday: 2.00 pm - 5.00 pm;  
Labs: Monday 12.30 pm - 5.30 pm

*Requirements of entry:* Astronomy and Subject: Astronomy 2Z at Grade D, plus departmental requirement for Subject, all normally at first diet of examinations.

*Assessment:* Degree assessment for Astronomy contribution: 75 minute written paper per lecture course component (3 in 3H, 3 in 4H), (66.6%); assessment astronomy laboratory (16.7%); seminar project (16.7%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To illustrate the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of topics relevant to aspects of modern astronomy; (4) To provide training and experience in the principles and practice of astronomical observation and measurement and in the reduction and analysis of observational data; (5) To develop the students' ability to work effectively, singly and in small groups, to reinforce their individual responsibility for their own learning and understanding and to develop further their communication skills.

*Honours Course Prescription:* Galaxies AND Stellar Structure and Evolution OR Instruments for Optical and Radio Astronomy AND Astronomical Data Analysis; 1 option from High Energy Astrophysics OR Circumstellar Matter or 1 option from Cosmology OR Exploring Planetary Systems.

*Course Co-ordinator:* Prof John Brown

#### **0SEB ASTRONOMY 4M (JOINT)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Wednesday and Friday afternoons 2.00-5.00pm. Plus others meetings at times to be arranged.

*Requirements of entry:* Grade A-D passes at 3M Astronomy (joint) plus other Subject at May/June examination diet.

*Assessment:* 75 minute written paper per lecture course component (4.5) (100%)

*Degree Examination taken in:* April/May

*Aims:* (1) To present an in-depth integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments of aspects of modern astrophysics; (4) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (5) To develop the student's problem solving ability, communication and presentation skills to a level appropriate to an academic, research or industrial career; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Mathematical Methods 2. Stellar Structure and Evolution AND High Energy Astrophysics AND Plasma Theory and Diagnostics OR Instruments for Optical and Radio Astronomy AND Cosmology AND General Relativity and Gravitation; 1 option from Galaxies OR Circumstellar Matter, or 1 option from Astronomical Data Analysis OR Exploring Planetary Systems.

*Course Co-ordinator:* Dr Declan Diver

#### **0SEG ASTRONOMY 4M\* (JOINT)**

*Credits:* 80

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Wednesday and Friday afternoons 2.00-5.00pm.

*Requirements of entry:* Grade A-D passes at 3M\* Astronomy (joint) plus other Subject at May/June examination diet.

*Assessment:* Degree assessment for Astronomy contribution: 75 minute written paper per lecture course component (4.5 in 3M\*, 6 in 4M\*), (77.7%); assessment of 3M laboratory (5.6%); 3M seminar project (5.6%); M project (11.1%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an in-depth integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To develop the student's competence in the application of

methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments of aspects of modern astrophysics; (4) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (5) To develop the student's problem solving ability, communication and presentation skills to a level appropriate to an academic, research or industrial career; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* EITHER Stellar Structure and Evolution; High Energy Astrophysics; Galaxies; Circumstellar Matter; Plasma Theory and Diagnostics; Pulsars and Supernovae, OR Instruments for Optical and Radio Astronomy; Cosmology; Astronomical Data Analysis; Exploring Planetary Systems; General Relativity and Gravitation; Statistical Astronomy.

*Course Co-ordinator:* Dr Declan Diver

### OSCG ASTRONOMY 5M (JOINT)

*Credits:* 40

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Wednesday and Friday afternoons 2.00-5.00pm.

*Requirements of entry:* Grade A-D passes at 4M Astronomy (Joint) plus other Subject at May/June examination diet.

*Assessment:* Degree assessment for Astronomy contribution: 75 minute written paper per lecture course component (3 in 3M, 4.5 in 4M, 3 in 5M), (77.7%); assessment of 3M laboratory (5.6%); 3M seminar project (5.6%); M project (11.1%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an in-depth integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments of aspects of modern astrophysics; (4) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (5) To develop the student's problem solving ability, communication and presentation skills to a level appropriate to an academic, research or industrial career; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Plasma Theory and Diagnostics AND Pulsars and Supernovae OR General Relativity and Gravitation AND Statistical Astronomy; 1 option from Galaxies, Circumstellar Matter, Astronomical Data Analysis, Exploring Planetary Systems.

*Course Co-ordinator:* Dr Declan Diver

### 447G PHYSICS 4H (COMBINED)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged.

*Requirements of entry:* Grade A-D passes in 3H Physics and combined honours subject at the preceding May/June examination diet.

*Assessment:* Degree assessment for Physics contribution: 75 minute written paper per lecture course component (3 in 3H, 4 in 4H) (75.0%); assessment of 3H laboratory/IT skills (16.7%); 4H project (8.3%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which provides the student with knowledge and understanding of key principles and methods of modern physics; (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications; (3) To provide training in the principles and practice of physical measurement techniques and scientific data analysis, and give the opportunity for the student to apply these in performing an extended project; (4) To develop the student's transferable skills, concentrating on work in a group, the writing of reports on group and individual project work, and in verbal communication of such results; (5) To develop the students' ability to work effectively and to reinforce their individual responsibility for their own learning.

*Honours Course Prescription:* Electromagnetism 1; two from the following: Solid State; Nuclear and Particle Physics; Atomic Systems; 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. (Some options have prerequisite core courses - refer to Course Guide).

*Course Co-ordinator:* Dr I MacGregor

### 447J PHYSICS 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Project: 100 hours as arranged, Semester 1.

*Requirements of entry:* Grade A-D pass at 3H Physics(single) at May/June examination diet.

*Assessment:* Degree assessment: 75 minute written paper per lecture course component (6 in 3H, 8 in 4H) plus problem paper (75.0%); assessment of 3H laboratory/IT skills (8.33%); 3H group project (8.33%); 4H project (8.33%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which provides the student with knowledge and understanding of key principles and methods of modern



physics; (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications; (3) To provide training in the principles and practice of physical measurement techniques and scientific data analysis, and give the opportunity for the student to apply these in performing an extended project; (4) To develop the student's transferable skills, concentrating on work in a group (single honours students), the writing of reports on group and individual project work, and in verbal communication of such results; (5) To develop the students' ability to work effectively and to reinforce their individual responsibility for their own learning.

*Honours Course Prescription:* Solid State; Nuclear and Particle Physics; Atomic Systems; Electromagnetism 1; and 4 options from the list below. Options: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. (Some options have prerequisite core courses - refer to Course Guide)

*Course Co-ordinator:* Dr I MacGregor

### OSUG PHYSICS 4M (COMBINED)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged.

*Requirements of entry:* Grade A-D passes at 3M Physics (combined) plus combined subject at May/June examination diet.

*Assessment:* 75 minute written paper per lecture course component (4.5) (100%)

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Electromagnetism 1; Mathematical Methods 2. Two from list: Solid State; Nuclear and Particle Physics; Atomic Systems. 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics

and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. (Some options have prerequisite core courses - refer to Course Guide).

*Course Co-ordinator:* Dr I MacGregor

### ORUJ PHYSICS 4M (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional courses at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 2.

*Requirements of entry:* Grade A-D pass at 3M Physics (single) at May/June examination diet.

*Assessment:* 75 minute written paper per lecture course component (8) (88.9%); assessment of physics MSci laboratory (11.1%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Solid State; Nuclear and Particle Physics; Atomic Systems; Electromagnetism 1; Mathematical Methods 2; 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; 2 options from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; M-laboratory. (Some options have prerequisite core courses - refer to Course Guide)

*Course Co-ordinator:* Dr I MacGregor

### OSXG PHYSICS 4M\* (COMBINED)

*Credits:* 80

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged.

*Requirements of entry:* Grade A-D passes at 3M\* Physics (combined) and combined subject at May/June examination diet.

*Assessment:* Degree assessment for Physics contribution: 75 minute written paper per lecture course component (4.5 in 3M\*, 6 in 4M\*) plus problem paper (77.8%); assessment of 3M laboratory/IT skills (11.1%); M project (11.1%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* 2 options from the list: Solid State; Nuclear and Particle Physics; Atomic Systems; 2 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 2 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. (Some options have prerequisite core courses - refer to Course Guide)

*Course Co-ordinator:* Dr I MacGregor

### ORVJ PHYSICS 4M\* (SINGLE)

*Credits:* 160

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. M-laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 2.

*Requirements of entry:* Grade A-D pass at 3M\* Physics (single) at May/June examination diet.

*Assessment:* Degree assessment: 75 minute written paper per lecture course component (9 in 3M\*, 12 in 4M\*) plus problem paper (77.7%); assessment of 3M\* laboratory/IT skills (5.6%); 3M\* group project (5.6%); M project (11.1%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To pro-

vide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Solid State; Nuclear and Particle Physics; Atomic Systems; 4 options from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 5 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics; M-laboratory. (Some options have prerequisite core courses - refer to Course Guide)

*Course Co-ordinator:* Dr I MacGregor

### OSVG PHYSICS 5M (COMBINED)

*Credits:* 40

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged.

*Requirements of entry:* Grade A-D passes at 4M Physics (combined) and combined subject at May/June examination diet.

*Assessment:* Degree assessment for Physics contribution: 75 minute written paper per lecture course component (3 in 3M, 5 in 4M, 3 in 5M) plus problem paper (77.8%); assessment of 3M laboratory/IT skills (11.1%); M project (11.1%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 2 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. (Some options have prerequisite core courses - refer to Course Guide)

*Course Co-ordinator:* Dr I MacGregor

### 88RG PHYSICS 5M (EXCHANGE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged.

*Requirements of entry:* Appropriate performance at home institution

*Assessment:* Degree assessment: 75 minute written paper per lecture course component (6) plus problem paper (66.7%); M project or further written papers (33.3%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* 3 honours components from the list: Solid State Physics; Nuclear and Particle Physics; Atomic Systems; Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 3 honours components from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. One or more of the components may be replaced by an equivalent level component from another department. M project (optionally M project may be replaced by 3 further lecture course components).

*Course Co-ordinator:* Dr I MacGregor

### ORWJ PHYSICS 5M (SINGLE)

*Credits:* 80

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged.

*Requirements of entry:* Grade A-D pass at 4M Physics (single) at May/June examination diet.

*Assessment:* Degree assessment: 75 minute written paper per lecture course component (6 in 3M, 8 in 4M, 6 in 5M) plus problem paper (74.0%); assessment of 3M laboratory/IT skills (5.6%); 3M group project (5.6%); M laboratory (3.7%); M project (11.1%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* 2 options from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 4 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. (Some options have prerequisite core courses - refer to Course Guide)

*Course Co-ordinator:* Dr I MacGregor

### ORRJ PHYSICS WITH ASTROPHYSICS 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons. Additional meetings at times to be arranged. Physics project: 50 hours as arranged, semester 2. Astronomy laboratory: Selected Mondays 12.30 pm-5.30 pm.

*Requirements of entry:* Grade A-D pass at 3H Physics with Astrophysics at May/June examination diet.

*Assessment:* Degree assessment: 75 minute written paper per lecture course component (6 in 3H, 8 in 4H)

plus problem paper (75.0%); assessment of 3H laboratory/IT skills (8.33%); astronomy laboratory (8.33%); 3H seminar project (4.17%); 4H project (4.17%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which provides the student with knowledge and understanding of key principles and methods of modern physics; (2) To illustrate the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications and modern astronomy; (4) To provide training in the principles and practice of physical measurement techniques, astronomical observation and scientific data analysis, and give the opportunity for the student to apply these in performing extended project work; (5) To develop the students' ability to work effectively, singly and in small groups, to reinforce their individual responsibility for their own learning and understanding and to develop further their communication skills.

*Honours Course Prescription:* Solid State; Nuclear and Particle Physics; Atomic Systems; Electromagnetism 1; and 2 options from the list below. Options: Numerical Methods; Modern Optics; Medical Imaging; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. Plus EITHER Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology. (Some physics options have prerequisite core courses - refer to Course Guide).

*Course Co-ordinator:* Dr I MacGregor

### 0SJJ PHYSICS WITH ASTROPHYSICS 4M\* (SINGLE)

*Credits:* 160

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons 2.00-5.00 pm. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 2.

*Requirements of entry:* Grade A-D pass at 3M\* Physics with Astrophysics (single) at May/June examination diet.

*Assessment:* Degree assessment: 75 minute written paper per lecture course component (9 in 3M\*, 12 in 4M\*) plus problem paper (77.7%); assessment of 3M\* laboratory/IT skills (5.6%); astronomy laboratory (2.8%); 3M\* seminar project (2.8%); M project (11.1%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astrophysics; (4) To provide training and experi-

ence in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (5) To develop measurement, problem solving and critical assessment, and communication skills and apply them in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* Solid State; Nuclear and Particle Physics; Atomic Systems. 2 options from the list: Numerical Methods; Modern Optics; Medical Imaging; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. 3 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics; M-laboratory. Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology. Plasma Theory and Diagnostics OR General Relativity and Gravitation. 1 option from the list: Galaxies; Circumstellar Matter; Astronomical Data Analysis; Exploring Planetary Systems. (Some options have prerequisite core courses - refer to Course Guide).

*Course Co-ordinator:* Dr I MacGregor

### 0SGJ PHYSICS WITH ASTROPHYSICS 5M (SINGLE)

*Credits:* 80

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons 2.00-5.00 pm. Additional meetings at times to be arranged.

*Requirements of entry:* Grade A-D pass at 4M Physics with Astrophysics (single) at May/June examination diet.

*Assessment:* Degree assessment: 75 minute written paper per lecture course component (6 in 3M, 8 in 4M, 6 in 5M) plus problem paper (74.0%); assessment of 3M laboratory/IT skills (5.6%); astronomy laboratory (2.8%); 3H seminar project (2.8%); M laboratory (3.7%); M project (11.1%).

*Degree Examination taken in:* April/May

*Aims:* (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astrophysics; (4) To provide training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (5) To develop measurement, problem solving and critical assessment, and communication skills and apply them in performing and writing a report on an extended and demanding project; (6) To encourage students to

work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

*Honours Course Prescription:* 2 options from the list: Numerical Methods; Modern Optics; Medical Imaging; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. 2 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. 1 option from the list: Galaxies; Circumstellar Matter; Astronomical Data Analysis; Exploring Planetary Systems. 1 option from Plasma Theory and Diagnostics; General Relativity and Gravitation. (Some options have prerequisite core courses - refer to Course Guide).

*Course Co-ordinator:* Prof John Brown

## Politics

### 0NVU POLITICS 1A: INTRODUCTION TO LIBERAL DEMOCRACY

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Tuesday, Wednesday, Thursday, 1-2 pm in Semester 1. Tutorials: Mondays 10-11 am, 11-12 noon, 12-1 pm, 1-2 pm.

*Requirements of entry:* None.

*Assessment:* Final Examination (70%) Class Essay (20%) Tutorial Performance (10%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To deal with the nature of liberal democracy by focusing on institutional structures; power relations; the relationship between mechanisms of collective choice, such as elections and referenda, and the individual behaviour of voters; the role of values, such as freedom, distributive justice, democracy and civil disobedience, in liberal democratic debate.

*Course Co-ordinator:* Dr Thomas Lundberg

### 0QYU POLITICS 1B: COMPARATIVE POLITICS

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Tuesday, Wednesday, Thursday, 1-2pm in Semester 2. Tutorials: Mondays 10-11 am, 11-12 noon, 12-1 pm.

*Requirements of entry:* None.

*Assessment:* Final Examination (70%) Class Essay (20%) Tutorial Performance (10%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce the key concepts (such as the state, legitimacy, sovereignty, nations and nationalism, democracy and authoritarianism). To introduce the principal issues in comparative political analysis (for

example why and under what circumstances do revolutions or democratic transitions occur?). To identify the most important political institutions, actors, and political processes (for example, parliaments, the presidency, political parties, elections and voters) in a small number of major contemporary states that illustrate democratic, partially democratic, and authoritarian political systems (for example the United States, Russia, and China) and discuss them in relation to the key concepts and issues in comparative political analysis.

*Course Co-ordinator:* Prof Brian Girvin

### 0QHV POLITICS 2A: HISTORY OF POLITICAL THOUGHT

*Credits:* 20 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Tuesday, Wednesday, Thursday, 9-10am. Tutorials: Wednesday 1-2pm, 2-3pm; Thursday 12-1pm, 1-2pm, 3-4pm; Friday 11-12pm, 12-1pm.

*Requirements of entry:* Grade D or better in either Politics 1A or Politics 1B.

*Assessment:* Final Examination (60%) Best of 2 essays (30%) Tutorial Performance (10%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To deal with the development of the vocabulary, concepts and issues in political thinking from textual analysis of canonical texts.

*Course Co-ordinator:* Prof Andrew Lockyer

### 0QFV POLITICS 2B: INTERNATIONAL RELATIONS

*Credits:* 20 *Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Tuesday, Wednesday, Thursday, 9-10am. Tutorials: Wednesday 1-2pm, 2-3pm; Thursday 12-1pm, 1-2pm, 3-4pm; Friday 11-12pm, 12-1pm.

*Requirements of entry:* Grade D or better in either Politics 1A or Politics 1B.

*Assessment:* Final Examination (60%) Best of 2 essays (30%) Tutorial Performance (10%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To examine critically different approaches to understanding international relations; identify the most important actors in international politics; identify the most important international institutions framing international politics; explore the most pressing problems confronting international politics today.

*Course Co-ordinator:* Prof Andrew Lockyer

### 0QLW ISSUES IN DEMOCRACY AND GOVERNMENT IN SCOTLAND

*Credits:* 60 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: Wednesday 2-3 pm Seminars: Thursday 11 am - 1 pm

*Requirements of entry:* Normally Grade D or better in Politics 2A and 2B.

*Assessment:* 1. Class essay (1) - Term 1, Week 10; Class essay (2) - Term 2, Week 10; The better of these two essays will count for 30%. 2. Extended essay - End April/early May = 30%. 3. Degree examination - May/June = 30%. 4. Seminar contribution = 10%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To deliver a course which: builds upon and develops the substantive material taught in Politics at Levels 1 and 2 by focusing on the specific themes of democracy and of government in Scotland; is analytic and reflective in nature; explores concepts and models in democracy in the context of government in Scotland; is strongly collaborative, delivered by a teaching team utilising the research strengths of the Department and augmented by visiting external speakers.

*Course Co-ordinator:* Dr Kevin Francis

### **205F POLITICS 3H (JOINT)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be confirmed.

*Requirements of entry:* Grade C in Politics 2A and Politics 2B.

*Assessment:* 4 Papers to be taken over two years (3H and 4H). Some Papers by 100% examination ONLY. The remainder: usually 75% Final Examination AND 25% Coursework.

*Degree Examination taken in:* April/May

*Aims:* See Politics 3H (Single)

*Honours Course Prescription:* To be confirmed.

*Course Co-ordinator:* Dr Paul Graham

### **205H POLITICS 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be confirmed.

*Requirements of entry:* Grade C in Politics 2A and Politics 2B.

*Assessment:* 8 Papers to be taken over two years (3H and 4H). Some Papers by 100% examination ONLY. The remainder: usually 75% Final Examination AND 25% Coursework.

*Degree Examination taken in:* April/May

*Aims:* The course aims to provide a rigorous and wide ranging education in the study of politics in both its empirical or scientific, and its normative or philosophical aspects. The course is designed to include an essential core and a structure which balances the empirical and theoretical aspects of the discipline. The course equally aims to allow students a wide choice of options offering different approaches to their subject area and a variety of teaching methods. The diversity of options available allows students to benefit both from the specialised

knowledge of staff in areas where they have made a particular research contribution, and from teaching methods which are tailored to the particular aims and objectives of the options studied.

*Honours Course Prescription:* Politics General Paper, Dissertation and 6 courses from the annual list of options.

*Course Co-ordinator:* Dr Paul Graham

### **205G POLITICS 4H (JOINT)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be confirmed.

*Requirements of entry:* Grade C in Politics 2A and Politics 2B.

*Assessment:* 4 Papers to be taken over two years (3H and 4H). Some Papers by 100% examination ONLY. The remainder: usually 75% Final Examination AND 25% Coursework.

*Degree Examination taken in:* April/May

*Aims:* See Politics 4H (Single)

*Honours Course Prescription:* To be confirmed.

*Course Co-ordinator:* Dr Paul Graham

### **205J POLITICS 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be confirmed.

*Requirements of entry:* Grade C in Politics 2A and Politics 2B.

*Assessment:* 8 Papers to be taken over two years (3H and 4H). Some Papers by 100% examination ONLY. The remainder: usually 75% Final Examination AND 25% Coursework.

*Degree Examination taken in:* April/May

*Aims:* The course aims to provide a rigorous and wide ranging education in the study of politics in both its empirical or scientific, and its normative or philosophical aspects. The course is designed to include an essential core and a structure which balances the empirical and theoretical aspects of the discipline. The course equally aims to allow students a wide choice of options offering different approaches to their subject area and a variety of teaching methods. The diversity of options available allows students to benefit both from the specialised knowledge of staff in areas where they have made a particular research contribution, and from teaching methods which are tailored to the particular aims and objectives of the options studied.

*Honours Course Prescription:* Politics General Paper, Dissertation and 6 courses from the annual list of options.

*Course Co-ordinator:* Dr Paul Graham

## Psychology

### 8ZTU PSYCHOLOGY 1A: BIOLOGICAL AND EXPERIMENTAL

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures weekly Monday, Tuesday, Wednesday 9 am and 5 pm. Weekly tutorials and laboratories by arrangement.

*Requirements of entry:* Entry to the class is guaranteed to new university entrants who put the UCAS Psychology code on their UCAS form as part of their application to Glasgow University and who firmly accepted an unconditional offer or a confirmed conditional offer of a place to study Psychology either single or joint honours. The Department refers to such students as having an UCAS/Psychology code and as being a Potential Honours Psychology (PHP) student. All other students or returning students may have to enter a ballot for the remaining places up to a class limit of 600.

*Co-requisites:* Psychology 1B is a co-requisite for this course

*Assessment:* 1 essay (25%), 1 laboratory portfolio (25%), 1 degree exam 50%. The degree exam will last 2 hours and is comprised of one essay and 50 multiple choice questions. It will take place at the completion of the course in week 13.

*Degree Examination taken in:* December

*Resit Examination taken in:* April/May

*Aims:* The aim is to introduce students to core material in the area of biological, cognitive and experimental Psychology broadly defined, including exposure to the conduct of experimentation, data gathering and analysis. The course also teaches practical skills involved with experiments employing human participants. Communication skills are also encouraged by means of regular tutorials. Although the lectures, together with Psychology 1B, form part of a programme which leads to an Honours degree with the Graduate Basis of Registration for the BPS, the course is also intended for students who wish to exit after Psychology 1A. It therefore can serve as an introduction to the field for students taking the course as part of the general degree or as an outside subject in another honours programme.

*Course Co-ordinator:* Prof Patrick O'Donnell

### 8ZVU PSYCHOLOGY 1B: SOCIAL, DEVELOPMENTAL AND INDIVIDUAL DIFFERENCES

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures weekly Monday, Tuesday, Wednesday 9 am and 5 pm. Weekly tutorials and laboratories by arrangement.

*Requirements of entry:* At least a pass in Psychology 1A. Entry to the class is guaranteed to new university entrants who put the UCAS Psychology code on their UCAS form as part of their application to Glasgow University and who firmly accepted an unconditional offer or a confirmed conditional offer of a

place to study Psychology either single or joint honours. The Department refers to such students as having an UCAS/Psychology code and as being a Potential Honours Psychology (PHP) student. All other students or returning students may have to enter a ballot for the remaining places up to a class limit of 600.

*Co-requisites:* Normally Psychology 1A

*Assessment:* 1 essay (25%), 1 laboratory portfolio (25%), 1 degree exam 50%. The degree exam will last 2 hours and is comprised of one essay and 50 multiple choice questions. It will take place at the completion of the course.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aim is to introduce students to core material in the area of social and developmental psychology and individual differences. The course also teaches practical skills involved with experiments employing human participants. Communication skills are also encouraged by means of regular tutorials. Although the lectures form part of a programme which eventually lead to an Honours degree with the Graduate Basis of registration for the BPS, together with Psychology 1A, it would also serve as an introduction to the field for students taking the course as part of the general degree or as an outside subject in another honours programme. However the course is restricted to students who have completed Psychology 1A at grade D or above.

*Course Co-ordinator:* Prof Patrick O'Donnell

### 8ZXV PSYCHOLOGY 2A: BIOLOGICAL, COGNITIVE AND EXPERIMENTAL

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures weekly Monday, Tuesday, Wednesday, Thursday 10 a.m. Weekly tutorials and laboratories by arrangement.

*Requirements of entry:* To be guaranteed entry to the class a pass in Psychology 1A and 1B at grade B or above is required. In addition students must be categorised as a Potential Honours Pathway (PHP) student under the normal restriction for Psychology honours entry. This involves having applied through UCAS for a single, principal subject or combined honours degree in Psychology, having received an offer to study Psychology, and having accepted this offer and been admitted to the university for study under this rubric. Other students may have to be chosen by ballot.

*Co-requisites:* Psychology 2B is a co-requisite for this course

*Assessment:* 1 essay (25%), 1 laboratory portfolio (25%), 1 degree exam 50%. The degree exam will last 3 hours and is comprised of four essays. It will take place at the completion of the course in week 13.

*Degree Examination taken in:* December

*Resit Examination taken in:* April/May

*Aims:* The aim is to broaden and, especially, to deepen knowledge of the subject area by building on the foundations laid in Psychology 1A and 1B. The aim is also to develop the student's knowledge of core material in

the area of biological, cognitive and experimental psychology broadly defined, including providing exposure to the conduct of experimentation, data gathering and analysis. More detailed aims are to accomplish the following learning objectives. 1. To provide an introduction to the main areas of research in human memory, problem solving and knowledge representation. 2. To show how biological theory and methodology contribute to the study of psychology. By focusing on psychobiological methodology to show how study of underlying biological mechanisms can enrich our understanding of psychological processes such as learning and memory, language and consciousness, and circadian rhythms. 3. To provide a general introduction the methods used in psychological research and to illustrate a wide range of experimental designs. 4. To cover the large spectrum of classical perceptual phenomena, to introduce the main stages of visual processing from the retina to the visual cortex, to compare visual, auditory and haptic perception. The course also teaches practical skills involved with experiments employing human participants. Communication skills are also encouraged by means of regular tutorials. Team work is encouraged by means of a group project. Although the lectures form part of a programme which would lead to an Honours degree with the Graduate Basis of Registration for the BPS, the course is also intended for students who wish to take only Psychology 2A. It would also serve therefore as an extension of knowledge in the field for students taking the course as part of the general degree or as an outside subject in another honours programme.

*Course Co-ordinator:* Dr Richard Dafters

### **SZYV PSYCHOLOGY 2B: SOCIAL, DEVELOPMENTAL, AND APPLIED**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Second half of session. Lectures weekly Monday, Tuesday, Wednesday, Thursday 10 a.m. Weekly tutorials and laboratories by arrangement.

*Requirements of entry:* To be guaranteed entry to the class, students must have a pass in Psychology 1A and 1B and 2A at grade B or above. In addition students must be categorised as a Potential Honours Pathway (PHP) student under the normal restriction for Psychology honours entry. This involves having applied through UCAS for a single, principal subject or combined honours degree in Psychology, having received an offer to study Psychology, and having accepted this offer and been admitted to the university for study under this rubric. Other students may have to be chosen by ballot.

*Co-requisites:* Normally Psychology 2A

*Assessment:* 1 essay (25%), 1 laboratory portfolio (25%), 1 degree exam 50%. The degree exam will last 3 hours and is comprised of four essays. It will take place at the completion of the course.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aim is to broaden and, especially, to deepen knowledge of the subject area by building on the founda-

tions laid in Psychology A and 1B. Also the aim is to develop the student's knowledge of core material in the area of social, developmental, individual differences and applied Psychology broadly defined, including exposure to the conduct of experimentation, data gathering and analysis. More detailed learning objectives are: 1. To provide undergraduates with an understanding of the practical contributions psychology can make and some of the psychological research and theories upon which these contributions are made. 2. To provide a review of the developmental changes during the first two years of life and it presents the most relevant research and theories in this field. 3. To provide a coverage of the main areas individual differences including the statistical basis for theory in the field. 4. To provide an overview of current and classic research and theory in four major areas of Social Psychology: Conformity, Persuasion, Aggression and Prejudice. 5. To provide via the laboratory experience both a demonstration of psychological phenomena and instruction in practical skills involved with experiments on human subjects data analysis and report writing skills. The course also teaches practical skills involved with experiments employing human participants. Communication skills are also encouraged by means of regular tutorials. Team work is encouraged by means of a group project. Although the lectures form part of a programme which leads to an Honours degree with the Graduate Basis of Registration for the BPS, the course is also intended for students who wish to take only Psychology 2B. It would also serve therefore as an extension of knowledge in the field for students taking the course as part of the general degree or as an outside subject in another honours programme.

*Course Co-ordinator:* Dr Richard Dafters

### **JRWW PSYCHOLOGICAL STUDIES 3**

*Credits:* 80

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Semester 1: Tues 1-2, Wed 11-1, Thurs 12-1 Semester 2: Wed 11-2, Thurs 12-1, Fri 12-1 Both semesters, weekly tutorials and occasional project times by arrangement.

*Requirements of entry:* At least a pass in Psychology 1A, 1B, 2A and 2B. In addition, students must be categorised as a Potential Honours Pathway (PHP) students under the normal restriction for Psychology honours entry. This involves having applied through UCAS for a single, principal subject or combined honours degree in Psychology, having received an offer to study Psychology by the appropriate Faculty, and having accepted this offer and been admitted to the university for study under this rubric.

*Assessment:* The end of session exam makes up 50% of the assessment. The dissertation comprises 30%, the four essays and the career skills portfolio comprise a total of 20%. (4% each).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a sound knowledge and critical understanding and awareness of theory and practice in some of the major areas of psychology. To develop conceptual, analytic and practical skills relevant to pursuing a



career within the broad framework of psychology, or in related disciplines. To develop generic (transferable) intellectual and practical skills which are easily adaptable to the needs of the labour market, particularly those relating to communication, presentation, quantitative methods, and to good teamwork in problem-solving environments. To provide an environment for the development of initiative, self-reliance, and critical ability from a solid foundation of knowledge, understanding and critical awareness.

*Course Co-ordinator:* Dr Paul Bishop

### 206F PSYCHOLOGY 3H (COMBINED)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Timetable in Psychology involves lectures at Mondays 1-2, Tuesdays 1-2, Wednesdays 11-1p.m., Thursdays 12-1 and Fridays 12-1 Labs and projects are by arrangement. For the timetable requirements of the other department in the combination see their relevant entry.

*Requirements of entry:* For prerequisites for Psychology see the prerequisites for Single Honours. For the requirements of the other department in the combination see their relevant entry.

*Assessment:* For the Psychology component (50% of total): Two 3-hour degree examinations (25% each)

*Degree Examination taken in:* April/May

*Aims:* To provide a Joint Honours degree in Psychology, which satisfies the British Psychological Society's requirements for recognition of the course as supporting Graduate membership for the student, by ensuring coverage of material specified by that accreditation body. Within this overall aim: to provide a sound knowledge and critical understanding and awareness of theory and practice in the major areas of psychology; to develop specialist conceptual, analytic and practical skills relevant to pursuing a career in professional or academic psychology, or in related disciplines; to develop generic (transferable) intellectual and practical skills which are easily adaptable to the needs of the labour market, particularly those relating to communication, presentation, quantitative methods, and to good teamwork in problem-solving environments; to provide an environment for the development of initiative, self-reliance, and critical ability from a solid foundation of knowledge, understanding and critical awareness; to develop enquiring, problem-oriented minds with sufficient awareness of the critical research and applications issues in psychology to enable successful pursuit of postgraduate work in psychology and related disciplines.

*Honours Course Prescription:* Subjects will be taken over two years, with exams probably in May/June of year 1 and May/June of year 2 as specified for the papers in Single Honours. The subjects (courses) to be taken are: Year 1: Cognitive + Comparative Learning & Cognition + Statistics and Human Development + Individual Differences + Social Psychology Year 2: Physiological Psychology + Perception + Professional Skills and the Level 4H Maxi Project. For the requirements of the other department in the combination see their relevant entry.

*Course Co-ordinator:* Dr Ian Bushnell

### 206H PSYCHOLOGY 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Psychology 3H Monday and Tuesday at 1.00 pm; Wednesday at 11.00 am; Thursday and Friday at 12.00 noon. All weekly laboratories by arrangement.

*Requirements of entry:* At least a B pass in Psychology 1A and 1B, and 2A and 2B, and at least a pass in Statistics 1C or equivalent. Students must also be categorised as a Potential Honours student (PHP) under the normal restriction for Psychology honours entry. This involves having applied through UCAS for a single, principal subject or combined honours degree in Psychology, having received an offer to study Psychology, and having accepted this offer and been admitted to the university for study under this rubric.

*Assessment:* Two part finals. Three papers taken in 3H year 37.5% (12.5% each); three papers taken in June of 4H year 37.5% (12.5% each); practical taken in 4H year, along with critical review and mini project marks (12.5%), maxi project taken in 4H year (12.5%) and possible oral.

*Degree Examination taken in:* April/May

*Aims:* The main aims of the course are: 1. To provide a sound knowledge and critical understanding and awareness of theory and practice in the major areas of Psychology. 2. To develop specialist conceptual, analytic and practical skills relevant to pursuing a career in professional or academic Psychology, or in related disciplines. 3. To develop generic (transferable) intellectual and practical skills which are easily adaptable to the needs of the labour market, particularly those relating to communication, presentation, quantitative methods, and to good teamwork in problem-solving environment. 4. To provide an environment for the development of initiative, self-reliance, and critical ability from a solid foundation of knowledge, understanding and critical awareness. 5. To develop enquiring, problem-oriented minds with sufficient awareness of the critical research and applications issues in Psychology to enable successful pursuit of postgraduate work in Psychology and related disciplines. 6. To ensure coverage of material to satisfy the requirements of the accreditation body, the British Psychological Society for recognition of the course as supporting Graduate Basis for Registration for the student.

*Honours Course Prescription:* 3H year: Cognitive Psychology; Comparative Learning and Cognition; Human Development; Perception; Personality; Physiological Psychology; Professional Skills; Social Psychology; Statistics. 2 Mini-projects, 2 Critical reviews

*Course Co-ordinator:* Dr Ian Bushnell

### JRVW PSYCHOLOGY LEVEL 3

*Credits:* 80

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Semester 1: Tues 1-2, Wed 11-1, Thurs 12-1 Semester 2: Wed 11-2, Thurs 12-1, Fri 12-1 Both

semesters. Weekly tutorials and project times by arrangement.

*Requirements of entry:* At least a pass in Psychology 1A,1B, 2A and 2B. In addition, students must be categorised as a Potential Honours Pathway (PHP) students under the normal restriction for Psychology honours entry. This involves having applied through UCAS for a single, principal subject or combined honours degree in Psychology, having received an offer to study Psychology by the appropriate Faculty, and having accepted this offer and been admitted to the university for study under this rubric.

*Assessment:* The end of session exam makes up 50% of the assessment. The dissertation comprises 30%, the four essays and the career skills portfolio comprise a total of 20%. (4% each).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The main aims of the course are: 1. To provide a sound knowledge and critical understanding and awareness of theory and practice in some of the major areas of psychology. 2. To develop conceptual, analytic and practical skills relevant to pursuing a career within the broad framework of psychology, or in related disciplines. 3. To develop generic (transferable) intellectual and practical skills which are easily adaptable to the needs of the labour market, particularly those relating to communication, presentation, quantitative methods, and to good teamwork in problem-solving environments. 4. To provide an environment for the development of initiative, self-reliance, and critical ability from a solid foundation of knowledge, understanding and critical awareness.

*Course Co-ordinator:* Dr Paul Bishop

## 206J PSYCHOLOGY 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* The times of the option classes are variable and an up to date timetable is given in the class handbook

*Requirements of entry:* At least a B pass in Psychology 1A and 1B, and 2A and 2B, and at least a pass in Statistics 1C or equivalent. Students must also be categorised as a Potential Honours student (PHP) under the normal restriction for Psychology honours entry. This involves having applied through UCAS for a single, principal subject or combined honours degree in Psychology, having received an offer to study Psychology, and having accepted this offer and been admitted to the university for study under this rubric.

*Assessment:* Two part finals. Three papers taken in 3H year 37.5% (12.5% each); three papers taken in June of 4H year 37.5% (12.5% each); practical taken in 4H year along with review and project marks 25%, maxi-project taken in 4H year 12.5% and possible oral.

*Degree Examination taken in:* April/May

*Aims:* 1. To provide a sound knowledge and critical understanding and awareness of theory and practice in the major areas of Psychology 2. To develop specialist conceptual, analytic and practical skills relevant

to pursuing a career in professional or academic Psychology, or in related disciplines 3. To develop generic (transferable) intellectual and practical skills which are easily adaptable to the needs of the labour market, particularly those relating to communication, presentation, quantitative methods, and to good teamwork in problem-solving environment 4. To provide an environment for the development of initiative, self-reliance, and critical ability from a solid foundation of knowledge, understanding and critical awareness 5. To develop enquiring, problem-oriented minds with sufficient awareness of the critical research and applications issues in Psychology to enable successful pursuit of post-graduate work in Psychology and related disciplines 6. To ensure coverage of material to satisfy the requirements of the accreditation body, the British Psychological Society for recognition of the course as supporting Graduate Basis for Registration for the student. 7. To engage the student with recent research in a range of option areas which largely reflect the research interests of the staff particularly in areas of perception, psycholinguistics, cognitive neuro-psychology, alcohol information processing, abnormal psychology, social cognition and therapeutic applications of psychology. 8. To develop the student's research skills via the conduct of an independent research project.

*Honours Course Prescription:* Six options to be chosen from the present list: Abnormal Psychology, Alcohol Information Processing, Applying Psychology to Education and Computers, Applying Psychology, Biological Basis of Cognition and its Disorders, Cognitive Neuroscience of Attention and Executive Control, Cognitive Neuroscience of Perception, Perception and Visual Cognition 1, Perception and Visual Cognition 2, Psychology of Reading and Understanding, Social Cognition, Therapeutic Applications of Psychology. In addition students will complete a critical review and maxi project.

*Course Co-ordinator:* Prof Patrick O'Donnell

## 206G PSYCHOLOGY 4H COMBINED

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Timetable in Psychology involves lectures at Mondays 1-2, Wednesdays 11-12, and Fridays 12-1. Project is by arrangement. For the timetable requirements of the other department in the combination see their relevant entry.

*Requirements of entry:* For prerequisites for Psychology see the prerequisites for Single Honours. For the requirements of the other department in the combination see their relevant entry.

*Assessment:* For the Psychology component (50% of total): One 3-hour degree examination paper (25%); maxi-project (25%). The degree paper is based on three Level-3 modules taken in the students fourth year.

*Degree Examination taken in:* April/May

*Aims:* To provide a Joint Honours degree in Psychology, which satisfies the British Psychological Society's requirements for recognition of the course as supporting Graduate membership for the student, by ensuring coverage of material specified by that accreditation body. Within this overall aim: to provide a sound knowledge

and critical understanding and awareness of theory and practice in the major areas of psychology; to develop specialist conceptual, analytic and practical skills relevant to pursuing a career in professional or academic psychology, or in related disciplines; to develop generic (transferable) intellectual and practical skills which are easily adaptable to the needs of the labour market, particularly those relating to communication, presentation, quantitative methods, and to good teamwork in problem-solving environments; to provide an environment for the development of initiative, self-reliance, and critical ability from a solid foundation of knowledge, understanding and critical awareness; to develop enquiring, problem-oriented minds with sufficient awareness of the critical research and applications issues in psychology to enable successful pursuit of postgraduate work in psychology and related disciplines.

*Honours Course Prescription:* Courses will be taken over two years, with exams probably in May/June of year 1 and May/June of year 2 as specified for the papers in Single Honours. The courses to be taken are: Year 1: Cognitive + Comparative Learning & Cognition + Statistics and Human Development + Individual Differences + Social Psychology Year 2: Physiological Psychology + Perception + Professional Skills and the Level 4H Maxi Project. For the requirements of the other department in the combination see their relevant entry.

*Course Co-ordinator:* Prof Patrick O'Donnell

## Public Policy (taught within the Department of Urban Studies)

### 9AUU PUBLIC POLICY 1

*Credits:* 40 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Tuesday, Wednesday, Thursday - 10.00 am-11.00 am; tutorials to be arranged Tuesday to Thursday weekly during Semesters 1 and 2.

*Requirements of entry:* The course is open to all undergraduates of the University.

*Excluded Courses:* 230U Social Policy 1

*Assessment:* Two 2000 word essays (40%) and one 3-hour examination (60%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Level 1 is an introductory course that will provide an opportunity to study the ideas, processes and developments in public policy in the U.K. Reasons for welfare provision, who provides it and how it is evaluated will be examined. The course comprises two parts and covers a variety of both contemporary and 'traditional' issues. These areas include ideology, social exclusion, criminal justice, health, housing, social security, disability, gender and environmental matters. Concluding the course is a study of the spatial concentration of social issues, for example, in 'problem' estates. The overall aims are: to provide a general introduction to Public Policy, involving both descriptive and analytical discourse in relation to welfare provision and contem-

porary issues in the U.K. to provide students with the opportunity to develop transferable skills.

*Course Co-ordinator:* Ms Mhairi MacKenzie

### 9ATV PUBLIC POLICY 2

*Credits:* 40 *Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Tuesday, Wednesday, Thursday - 12.00 noon-1.00 pm. There will be eight tutorials in the first term and five in the second term (13 in total)

*Requirements of entry:* Attainment of Grade D in Public Policy 1 will be the usual requirement of entry to this course.

*Excluded Courses:* 230V Social Policy 2 7KCV Social Policy 2

*Assessment:* Two 2500 word essays(40%) and one 3-hour examination (60%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are: to present and explain a number of ideological perspectives on the provision of welfare to citizens; to introduce concepts and principles used in deciding the level and methods of delivery of welfare; to develop knowledge of the mixed economy of welfare including the roles of different providers. to introduce the economic analysis and financing of the welfare state. to outline several models of the policy process and tools of policy analysis.

*Course Co-ordinator:* Dr Vivian Leacock

### 9RTW PUBLIC POLICY 3: POLITICAL ECONOMY OF WELFARE

*Credits:* 30 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Weekly classes for 20 two hour sessions - time and day unknown.

*Requirements of entry:* 'D' in Public Policy 2

*Assessment:* One report of 3,000 words and one 3-hour examination.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course will provide non-honours students with a rich applied public policy course that uses tools and methods derived from a wide body of applied economics and social policy in order to examine the delivery of welfare in the UK.

*Course Co-ordinator:* Prof Kenneth Gibb

### 89HC PUBLIC POLICY 3: SOCIAL RESEARCH AND INVESTIGATION

*Credits:* 30 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* One hour lecture followed by a one hour seminar. Weekly, semesters 1 and 2.

*Requirements of entry:* Grade D in Public Policy 2.

*Assessment:* Assessment for this option is by means of two written assignments (20% and 30%) and two projects (25% each).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course aims: - to introduce students to the range of research methods and approaches used in the investigation of social policy issues; - to provide guidance in the use of transferable research skills.

*Course Co-ordinator:* Dr Susan Deeley

### **ORGF PUBLIC POLICY 3H (JOINT)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Times variable. Teaching by means of lectures, tutorials and project work.

*Requirements of entry:* For entry to joint honours the award of grade D or better in Public Policy 1 and Public Policy 2 will be required. Students should have obtained four Level 1 and two Level 2 awards at grade D or above, of which four, including one Level 2, should be Social Sciences Group A subjects. Students not meeting the requirement for automatic entry may be granted admission if the Departments consider that their previous performance offers a reasonable prospect of their reaching the standard requirement in honours. In exceptional circumstances students may be admitted to honours with a credit at Level 1. To be considered they will require an aggregate mark of at least Grade B. Students admitted from Level 1 will also have to complete the work of the Level 2 class (including all course work) in their junior honours year but will not be required to sit or pass the degree examination. They must also satisfy Faculty requirements in terms of the pre-honours curriculum.

*Assessment:* Assessment for each option is by means of one 3 hour examination (60%) and two 3000-3500 word essays (40%).

*Degree Examination taken in:* April/May

*Aims:* The general aims of the Department's honours teaching are: to build upon the general introduction to Public Policy provided in the first and second level classes by providing an in-depth analysis of particular areas; to stimulate students' awareness of the theoretical and policy issues which underpin public policy; to develop a range of transferable skills, particularly in relation to communication (written and oral) and the collection and analysis of information.

*Honours Course Prescription:* Honours options vary from year to year but are drawn from the following list:

Community Development and the Voluntary Sector; Criminal Justice; Disability and Society; Dissertation; Health Policy and Health Services; Housing Policy; Ideologies, Values and Social Policy; Paying for Welfare: the Political Economy of the Welfare State; Policy Analysis; Social Research and Investigation; Urban Policy; Values in Action.

*Course Co-ordinator:* Dr Charlotte Pearson

### **KWZK PUBLIC POLICY 3H (PRINCIPAL)**

*Credits:* 90

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Two hourly teaching sessions are held on a weekly basis at times determined by individual course convenors.

*Requirements of entry:* For entry to single honours the award of grade D or above in Public Policy 1 and Public Policy 2 will be required. Students should have obtained four Level 1 and two Level 2 awards at Grade D or above, of which four, including one Level 2, should be Social Sciences Group A subjects. Students not meeting the requirement for automatic entry may be granted admission if the Department considers that their previous performance offers a reasonable prospect of their reaching the standard requirement in honours. In exceptional circumstances students may be admitted to honours with a credit at Level 1. To be considered they will require an aggregate mark of at least Grade B. Students admitted from Level 1 will also have to complete the work of the Level 2 class (including all course work) in their junior honours year but will not be required to sit or pass the degree examination. They must also satisfy Faculty requirements in terms of the pre-honours curriculum.

*Assessment:* Summative assessment for each honours course is: a 3 hour unseen examination (60%) and two assignments of 3000-3500 words (40%) The summative assessment for Social Research and Investigation is as follows:

*Degree Examination taken in:* April/May

*Aims:* The course aims to: build upon the general introduction to Public Policy provided in Levels 1 and 2 by providing an in-depth analysis of particular areas; to stimulate student's awareness of the theoretical and policy issues which underpin public policy; to develop a range of transferable skills, particularly in relation to communication (written and oral), and the collection and analysis of information.

*Honours Course Prescription:* Policy Analysis, Social Research and Investigation and a dissertation must be taken. Five other courses must be taken from the following list:

Community Development and the Voluntary Sector; Criminal Justice; Disability and Society; Health Policy and Health Services; Housing Policy; Ideologies, Values and Social Policy; Paying for Welfare: the Political Economy of the Welfare State; Urban Policy; Values in Action.

*Course Co-ordinator:* Dr Charlotte Pearson

### **OREH PUBLIC POLICY 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Two hourly teaching sessions are held on a weekly basis at times determined by individual course convenors.

*Requirements of entry:* For entry to single honours the award of grade D or above in Public Policy 1 and Public Policy 2 will be required. Students should have ob-

tained four Level 1 and two Level 2 awards at Grade D or above, of which four, including one Level 2, should be Social Sciences Group A subjects. Students not meeting the requirement for automatic entry may be granted admission if the Department considers that their previous performance offers a reasonable prospect of their reaching the standard requirement in honours. In exceptional circumstances students may be admitted to honours with a credit at Level 1. To be considered they will require an aggregate mark of at least Grade B. Students admitted from Level 1 will also have to complete the work of the Level 2 class (including all course work) in their junior honours year but will not be required to sit or pass the degree examination. They must also satisfy Faculty requirements in terms of the pre-honours curriculum.

*Assessment:* Summative assessment for each honours course is a 3 hour unseen examination (60%) and two assignments of 3000-3500 words (40%)

*Degree Examination taken in:* April/May

*Aims:* The course aims to build upon the general introduction to Public Policy provided in Public Policy 1 and Public Policy 2 by providing an in-depth analysis of particular areas; to stimulate student's awareness of the theoretical and policy issues which underpin public policy; to develop a range of transferable skills, particularly in relation to communication (written and oral), and the collection and analysis of information.

*Honours Course Prescription:* Policy Analysis, Social Research and Investigation and a dissertation must be taken. Five other courses must be taken from the following list:

Community Development and the Voluntary Sector; Criminal Justice; Disability and Society; Health Policy and Health Services; Housing Policy; Ideologies, Values and Social Policy; Paying for Welfare: the Political Economy of the Welfare State; Urban Policy; Values in Action.

*Course Co-ordinator:* Dr Charlotte Pearson

### **KXAK PUBLIC POLICY 4H (PRINCIPAL)**

*Credits:* 90

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Two hourly teaching sessions are held on a weekly basis at times determined by individual course convenors.

*Requirements of entry:* For entry to single honours the award of grade D or above in Public Policy Levels 1 and 2 will be required. Faculty requirements will also need to be completed.

*Assessment:* Summative assessment for each honours course is: a 3 hour unseen examination (60%) and two assignments of 3000-3500 words (40%) Summative assessment for Social Research and Investigation is by coursework assignments (assessment for dissertation 7500-10000 words, 100%) as follows:

*Degree Examination taken in:* April/May

*Aims:* The course aims to build upon the general introduction to Public Policy provided in Public Policy 1 and Public Policy 2 by: providing an in-depth analysis of particular areas; stimulating student's awareness of

the theoretical and policy issues which underpin public policy; developing a range of transferable skills, particularly in relation to communication (written and oral), and the collection and analysis of information.

*Honours Course Prescription:* Policy Analysis, Social Research and Investigation and a dissertation must be taken. Five other courses must be taken from the following list:

Community Development and the Voluntary Sector; Criminal Justice; Disability and Society; Health Policy and Health Services; Housing Policy; Ideologies, Values and Social Policy; Paying for Welfare: the Political Economy of the Welfare State; Urban Policy; Values in Action.

*Course Co-ordinator:* Dr Charlotte Pearson

### **ORHG PUBLIC POLICY 4H (JOINT)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Times variable. Teaching by means of lectures, tutorials and project work.

*Requirements of entry:* For entry to honours the award of grade D or better in Public Policy 1 and Public Policy 2 will be required. Faculty requirements will also need to be met. Students should have obtained four Level 1 and two Level 2 awards at grade D or above, of which four, including one Level 2, should be Social Sciences Group A subjects. Entry to honours will be guaranteed for students who obtain a pass at Bands A, B or C (i.e. 55% or over) at Public Policy 2. Students not meeting the requirement for automatic entry may be granted admission if the Departments consider that their previous performance offers a reasonable prospect of their reaching the standard requirement in honours.

*Assessment:* Assessment for each option is by means of one 3 hour examination (60%) and two 3000-3500 word essays (40%). There is a compulsory dissertation for Single Honours students (7,500-10,000 words) which counts as an option.

*Degree Examination taken in:* April/May

*Aims:* The general aims of the Department's honours teaching are: to build upon the general introduction to Public Policy provided in the First and Second level classes by providing an in-depth analysis of particular areas; to stimulate students' awareness of the theoretical and policy issues which underpin public policy; to develop a range of transferable skills, particularly in relation to communication (written and oral) and the collection and analysis of information.

*Honours Course Prescription:* Honours options vary from year to year but are drawn from the following list:

Community Development and the Voluntary Sector; Criminal Justice; Disability and Society; Dissertation; Health Policy and Health Services; Housing Policy; Ideologies, Values and Social Policy; Paying for Welfare: the Political Economy of the Welfare State; Policy Analysis; Social Research and Investigation; Urban Policy; Values in Action.

*Course Co-ordinator:* Dr Charlotte Pearson

### **ORFJ PUBLIC POLICY 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Two hourly teaching sessions are held on a weekly basis at times determined by individual course convenors.

*Requirements of entry:* For entry to single honours the award of grade D or above in Public Policy 1 and Public Policy 2 will be required. Faculty requirements will also need to be completed.

*Assessment:* Summative assessment for each honours course is a 3 hour unseen examination (60%) and two assignments of 3000-3500 words (40%) Summative assessment for Social Research and Investigation is by coursework assignments (assessment for dissertation 7500-10000 words, 100%) as follows:

*Degree Examination taken in:* April/May

*Aims:* The course aims to build upon the general introduction to Public Policy provided in Public Policy 1 and Public Policy 2 by: providing an in-depth analysis of particular areas; stimulating student's awareness of the theoretical and policy issues which underpin public policy; developing a range of transferable skills, particularly in relation to communication (written and oral), and the collection and analysis of information.

*Honours Course Prescription:* Policy Analysis, Social Research and Investigation and a dissertation must be taken. Five other courses must be taken from the following list:

Community Development and the Voluntary Sector; Criminal Justice; Disability and Society; Health Policy and Health Services; Housing Policy; Ideologies, Values and Social Policy; Paying for Welfare: the Political Economy of the Welfare State; Urban Policy; Values in Action.

*Course Co-ordinator:* Dr Charlotte Pearson

## School of Law

### 9NSU BUSINESS LAW 1

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures Monday, Tuesday and Thursday at 11am. Four tutorials.

*Requirements of entry:* None.

*Co-requisites:* None

*Excluded Courses:* Principles of Private Law

*Assessment:* Essay (25%); examination (75%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To introduce students to the main sources of law in Scotland; To provide a firm grounding in the structure and content of the law of obligations and to provide an overview of the law of intellectual property and data protection; To explain and illustrate, through a programme of lectures, tutorials and directed reading, the basic principles and concepts of the law in these areas; To examine the law in these areas in sufficient detail to meet the requirements for BAcc professional exemption; To enhance students' problem-solving skills through the identification of legal issues in complex problems, the application of relevant legal rules, and achievement of resolutions to the problems set; To offer guidance in

the framing and presentation of written legal argument; To highlight areas where the principles are subject to doubt or disagreement, and to encourage independent thought.

*Course Co-ordinator:* Dr Andrew Godfrey

### 8RNU CRIMINAL LAW AND EVIDENCE 1

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* One hour lectures Tuesday and Thursday at 1000. Five one hour fortnightly tutorials

*Requirements of entry:* This course is only open to students on the LLB and BAL degrees

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* Essay (20%); examination (80%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are: To outline the principles of the criminal law and the law of evidence; To outline the basic rules of the substantive criminal law; To allow the student to begin to develop an understanding of the interaction between rules of law and evidence in the proof of particular crimes; To develop a basic understanding of the context of the application of the rules of the criminal law.

*Course Co-ordinator:* Prof Lindsay Farmer

### MPAU FAMILY LAW

*Credits:* 10

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* 1 lecture (60 minutes duration per week. 1 workshop (60 minutes duration per fortnight)

*Requirements of entry:* Admission to LLB degree

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* 3000 word coursework assignment

*Aims:* To provide a firm grounding in the structure and content of Family Law. To explain and illustrate, through a programme of lectures and workshops, the basic principles and concepts of Scots law in this area. To examine Family Law in sufficient detail to meet the requirements for professional exemption. To assist students in the interpretation and application of statutory materials. To enhance students' problem-solving skills through the identification of legal issues in complex problems, the application of relevant legal rules, and achievement of resolutions to the problems set. To offer guidance in the framing and presentation of written legal argument. To highlight areas where the law is subject to doubt or disagreement, and to encourage independent thought. To assist students in the development of research methods and enhance their familiarity with different sources of law. To encourage critical analysis, and enhance essay-writing skills.

*Course Co-ordinator:* Miss Frances McCarthy

**9KWU FORENSIC MEDICINE 1***Credits:* 20 *Level:* 1*When Taught:* Semester 2 (January - March)*Timetable:* Tuesday, Wednesday, Thursday - 11.00 am.*Requirements of entry:* None*Co-requisites:* None*Excluded Courses:* None*Assessment:* Assignment comprising one essay (25% of final assessment). Degree Examination comprising multiple choice and essay paper (75% of final assessment).*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* (1) To provide an introduction to forensic medicine and forensic science. Aspects of the law which particularly relate to legal proceedings involving these subjects are also included. (2) To introduce students with little or no previous experience of biology to the basics of human anatomy and physiology, dealing with the major body systems such as the heart and circulatory system and the reproductive system. (3) To review the main categories of injury and sudden, traumatic and non-accidental death, their causes and how they are investigated by the forensic pathologist and scientist. The work of the police surgeon and clinical forensic medical expert, for example, in cases of sexual assault are also covered. (4) To review legal aspects of medical practice such as deaths under medical care, certification of death and release of organs for transplantation. The role of the General Medical Council and problems of medical ethics are also covered. (5) To introduce the non-specialist to basic ideas of forensic science, forensic toxicology, forensic serology and haemogenetics (DNA analysis) and forensic psychiatry. (6) To show how this information is interpreted and presented in court.

*Course Co-ordinator:* Dr Robert Anderson**8QJU PRINCIPLES OF PRIVATE LAW***Credits:* 40 *Level:* 1*When Taught:* Full Session (September - March)*Timetable:* 1 hour lectures Monday, Wednesday and Friday at 0900. Fortnightly tutorials.*Requirements of entry:* None*Co-requisites:* None*Excluded Courses:* Business Law*Assessment:* Course assessment is as outlined in the course documentation. Degree Examinations taken in: Semester 1 diet (Contract) and Semester 3 diet (Delict/Child and Family Law)*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* To provide a firm grounding in the structure and content of the law of obligations, family law and property law; To explain and illustrate, through a programme of lectures and tutorials, the basic principles and concepts of Scots law in these areas; To examine the law of obligations and family law in sufficient detail to meet the requirements for professional exemption; To suggest a classification of property law, family law and the law of obligations, in the latter area particularly

through analysing the separate branches of contract, delict and unjustified enrichment; To enhance students' problem-solving skills through the identification of legal issues in complex problems, the application of relevant legal rules, and achievement of resolutions to the problems set; To offer guidance in the framing and presentation of written and oral legal argument; To highlight areas where the principles are subject to doubt or disagreement, and to encourage independent thought; To assist students in the development of research methods and enhance their familiarity with different sources of law; To encourage critical analysis, and enhance essay-writing skills.

*Course Co-ordinator:* Dr Janeen Carruthers**SRIU PUBLIC INTERNATIONAL LAW***Credits:* 20 *Level:* 1*When Taught:* Semester 2 (January - March)*Timetable:* Three one hour lectures per week - Monday, Tuesday and Thursday at 1000 Tutorials: 4 x one hour*Requirements of entry:* None*Co-requisites:* None*Excluded Courses:* 315B Public International Law*Assessment:* Assessed Essay (20%) 600 - 800 words Degree Exam: 3 x hour exam (80%); 3 out of 6 questions*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* The principal aim of this course is to provide an introductory overview of public international law, showing what international law is, what its principal divisions are, how it works and what its strengths and weaknesses are. It also aims to provide an understanding of the nature and sources of international law, introduce the elements of the main subject areas of international law, contemporary developments in the subject, and the principal areas of international conflict and the main actors on the international stage; and to foster an appreciation of the role played by international law in the settlement of international disputes. Finally, the course also aims to develop your critical reading and international law problem solving skills; to develop your basic communication skills through participation in tutorial debates; to introduce you to basic international legal research and IT skills using the Internet; and to familiarise you with the professional role and career choices of the international lawyer.

*Course Co-ordinator:* Mr Akbar Rasulov**SRCU ROMAN LAW OF PROPERTY & OBLIGATIONS 1***Credits:* 20 *Level:* 1*When Taught:* Semester 2 (January - March)*Timetable:* Lectures: Monday and Tuesday in Semester 2 at 3.00 pm; Tutorials: 5 x one hour, Semester 2.*Requirements of entry:* None*Co-requisites:* None*Excluded Courses:* None.*Assessment:* 2 hour examination

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are to provide an understanding of the main features of Roman law in the areas of property, contracts and delict and to appreciate the significance of Roman law as the basis for civilian legal systems. The aims of the course are to use the study of elementary Roman law to enable you to understand legal relationships; appreciate the roots of Scots and civilian legal systems; and enjoy knowing something of another culture.

*Course Co-ordinator:* Prof E Metzger

## **8RBU SOURCES AND INSTITUTIONS OF SCOTS LAW**

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Weekly two hour tutorials over Semesters One and Two Ten lectures in Semesters One and Two.

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* There will be three summative assessments: (1) A group exercise requiring analysis of a complex legal problem (3000 words) (25%) (2) An exercise designed to test grasp of legal method requiring analysis of cases and of statutory materials (2000 words) (25%) (3) A three hour end of course examination comprising a mixture of problem and essay questions (50%). Apart from the examination, these assessments will also perform a formative and diagnostic function, as will tutorial exercises. In addition, however, there will be three purely formative methods of assessment: (1) Self-assessment of oral presentations and group tutorial exercises; (2) A computer-based assessment of factual knowledge of the legal system; (3) A 1000 word discursive essay based on the oral presentation. Candidates whose average mark for the four summative assessments is a grade D or better, and who have no element marked at grade G or below, will pass the course. Candidates whose average mark is a grade D or better, but who have one or more elements marked at grade G or below, will fail the course. They will be required to resit the elements marked at G or below and will pass the course if they achieve at least a grade F in those elements at the second attempt. Candidates whose average mark is lower than a grade D will fail the course. They will, however, only be required to resit the individual elements in which they have received a fail grade and will pass the course if their average mark for the four assessments after the resit diet is a grade D or better and they have no element marked below a grade F.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students to, and enable them to understand, the nature of law, of legal systems and of the Scottish legal system in the contemporary world context; To enable students to acquire a foundational knowledge and understanding of the sources of Scots law and the institutions of government from the local government level to that of the European Union; To

enable students to research primary and secondary legal sources and to present arguments based on them; To encourage students to work effectively both individually and in groups.

*Course Co-ordinator:* Dr Gavin Anderson

## **KZKV BUSINESS ORGANISATIONS**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* 2 two hour lectures per week - times to be arranged.

*Requirements of entry:* Normally credit in Principles of Private Law 8QJU Principles of Private Law

*Co-requisites:* None

*Excluded Courses:* 1JXB Business Law 9GQV Commercial Law (20 credit course) 9NTV Commercial Law for Business

*Assessment:* Examination 100%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aim of the course is to enable students to acquire an understanding of the legal framework for business organisations and corporation tax. The course is structured so as to meet the relevant professional requirements of the Law Society of Scotland.

*Course Co-ordinator:* Prof Iain MacNeil

## **KZJV COMMERCIAL LAW**

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Two one hour lectures per week - times to be arranged

*Requirements of entry:* Normally credit in Principles of Private Law (8QJU)

*Excluded Courses:* 1JXB Business Law 9GQV Commercial Law (20 credit course) 9NTV Commercial Law for Business

*Assessment:* Examination 100%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course will: - introduce students to modern substantive Commercial Law; - reveal how underlying socio-political and economic factors, as well as wider business culture shape the development of Commercial Law in relation to discrete areas such as the Sale of Goods, Insurance, Consumer Credit and Personal Insolvency, etc.; - satisfy the requirements of the Law Society of Scotland and the Faculty of Advocates; - encourage in students an interest and critical awareness in the development of UK and international Commercial Law.

*Course Co-ordinator:* Mr Martin Doris

## **9NTV COMMERCIAL LAW FOR BUSINESS**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)



*Timetable:* 1 hour Lectures Tuesday at 1400; Thursday at 1200 and Friday at 1200. Five tutorials.

*Requirements of entry:* Attendance in Business Law 1 is normally required, except, in particular, for visiting Law students.

*Co-requisites:* None

*Excluded Courses:* Commercial Law

*Assessment:* 1500 word Problem essay - 25%, in week 7 of Semester 2 2 hour Final exam - 75%, end of second semester. Format of Degree Exam: Three questions will have to be answered in a paper containing five questions featuring a mixture of problems and essay-type questions.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a firm grounding in the structure and content of the law of partnership, agency, company law and trusts and to provide an overview of the law governing liquidation, company administration and personal sequestration; To explain and illustrate, through a programme of lectures, tutorials and directed reading, the basic principles and concepts of the law in these areas; To examine the law in these areas in sufficient detail to meet the requirements for BAcc professional exemption; To enhance students' problem-solving skills through the identification of legal issues in complex problems, the application of relevant legal rules, and achievement of resolutions to the problems set; To offer guidance in the framing and presentation of written legal argument; To highlight areas where the principles are subject to doubt or disagreement, and to encourage independent thought; To encourage critical analysis, and enhance essay-writing skills.

*Course Co-ordinator:* Mr Martin Doris

## 9HDV EUROPEAN UNION LAW

*Credits:* 10

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* To be confirmed

*Requirements of entry:* Normally, the award of credit for Sources and Institutions of Scots Law (8RBU) or equivalent courses taken in other institutions.

*Co-requisites:* Normally, attendance at Law and Government or equivalent courses taken previously in other institutions.

*Excluded Courses:* None

*Assessment:* There will be one piece of summative assessment; a two hour exam in the summer diet in which students have to answer two questions, one problem and one essay. The essay question will be on the independently researched topic of the free movement of persons.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are as follows: To build on the knowledge and skills communicated in the classes of Sources and Institutions of Scots Law and Law and Government in which the students studied the institutions and judicial system of the European Union; to introduce students to the substantive law of the European Union, namely the internal market, competition

law and policy and discrimination law; to fulfil the requirements of the Law Society of Scotland; to encourage interest in and awareness of the continuing process of European integration; to show how underlying socio-political and economic factors shape the development of European Union law; to further develop students transferable skills, in particular problem solving, written communication skills and autonomous learning skills; to encourage independent learning in preparation for the workshops and assessment.

*Course Co-ordinator:* Miss Maria Fletcher

## 0MWV INTERNATIONAL PRIVATE LAW

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesday, Thursday and Friday at 1100

*Requirements of entry:* Normally a minimum D pass in Principles of Private Law (8QJU)

*Co-requisites:* 8ZMV Property Law

*Assessment:* 2 hour written examination + 10 minute oral examination + 1,500 word written assignment.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The knowledge-based aims of the course are: 1. To familiarise students with the nature of International Private Law, and its method and terminology. 2. To enable students to recognise conflict of laws issues in a legal problem. 3. To equip students to produce informed and reasoned arguments using Scots (and, subsidiarily, English) conflict rules, in order to provide viable solutions to conflict problems arising in major areas of private law. 4. To equip students to discuss in essay format topics of importance within the conflict of laws. The knowledge/skills-based aim of the course is: 5. To introduce students to the subject of law reform in the conflict of laws so that they may be able to evaluate recent and current law reform measures, national, international and EU. The skills-based aims of the course are: 6. To develop student skills of problem-solving and analysis. 7. To develop student skills in handling materials relating to the above areas, including statutory and case law and reading and assessment of Law Commission reports, conventions, EU explanatory memoranda, and other consultation documents. 8. To promote skills of oral discussion of legal problems within the conflict of laws. 9. To develop student skills of written communication and problem solving by means of submission of diagnostic written assignment, and by satisfactory performance in the degree examination.

*Course Co-ordinator:* Prof Elizabeth Crawford

## 8ZKV JURISPRUDENCE

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* 1 hour lectures Monday and Thursday at 1000 in Semester 1

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* 1: 10% oral presentation given in tutorial  
2: 10% 750 word written submission to be handed in at the same time as oral presentation  
3: 80% 3-hour written examination - 4 questions in January Exam Diet

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The aim of the course is to enhance students' understanding of law by placing it in its theoretical, philosophical and sociological contexts.

*Course Co-ordinator:* Dr Thomas Veitch

## **OLHV LABOUR LAW**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Weekly one hour lectures - Tuesday and Thursday at 1200

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* None

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are as follows: - to introduce students to the legal regulation of work relationships; - to identify the main sources of regulation; - to consider the contract of employment; - to consider the principal statutory employment rights.

*Course Co-ordinator:* Dr Jane Mair

## **SZQV LAW AND GOVERNMENT**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* 1 hour lectures Tuesday and Thursday at 1300 each week in Semester 1

*Requirements of entry:* Normally, obtaining credit in Sources and Institutions of Scots Law.

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* Assessment one consists of a group research project. You will be asked to form yourselves into groups of (approximately) five students each after the first seminar and these will be the groups in which you will complete the research project. There will be a choice of research projects from which to choose. Each group will have to negotiate which project to complete. The project is due for submission to the Undergraduate Office in the School of Law on Friday of week 12, semester , but you should note that groups are required to give a presentation on their work in progress at seminar seven (week 10). You should therefore start work on your project early in the semester. For further guidance, please consult the Law School document, Key Skills and the LLB Curriculum. Completed projects must be no more than 3,000 words in length and must be typed. If a group considers that one or more members have not contributed to the work of the group and should not be given credit for the completed project, they should indicate this in writing when they submit their project.

However, groups should exercise their best endeavours to resolve problems internally before seeking to expel members. In case of dispute, the course co-ordinator will decide who is to be given credit for the project. Assessment two consists of a two-hour unseen examination, to be held during the semester 1 examination period in January. It consists of two compulsory questions. Question 1 will be a case-noting exercise: you will write a case-note on one of a choice of leading cases. Question 2 will be a problem-solving exercise. Further guidance on the examination will be given in the last one or two lectures.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* to introduce students to the theory and principles of accountable government at all levels - Scottish, United Kingdom and European; to introduce students to judicial techniques for achieving accountable government, in particular, judicial review, the Human Rights Act and official liability; to introduce students to the peculiarities of litigation against the Crown and public authorities; to introduce students to alternative techniques of accountable government; to improve students' written communication skills; to improve students' legal reasoning and problem-solving skills; to improve students' group working and research skills.

*Course Co-ordinator:* Prof Adam Tomkins

## **SZMV PROPERTY LAW**

*Credits:* 40

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* 1 hour lectures Monday at 0900 and Friday at 1000 weeks 1-4 of Semester 1 and weeks 1 and 2 of Semester 2; 1 hour lectures Tuesday and Thursday at 1100 weeks 6-8 of Semester 2

*Requirements of entry:* Normally the award of credit for Principles of Private Law

*Co-requisites:* Normally attendance at Tax Law. Students who do not take the course in Tax Law may experience difficulty with the tax elements of this course

*Excluded Courses:* None

*Assessment:* There will be five summative assessments: An essay on a law reform issue (1,500 words) (10%); A class test in the form of a multiple choice exam based on problem questions (20%); A group essay based on a complex problem (2,500 words). 20 per cent of the mark for this assessment will be derived from a peer assessment of the contribution of the group members in this assessment. (20%); A final two hour examination covering those areas of the course not otherwise assessed. (40%); Assessment of tutorial performance (10%). There will also be a short formative assessment.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are: to explain the nature of heritable and moveable property and the legal rules relating to ownership and transfer of such property; to introduce the basic elements of intellectual property protection; to provide students with a knowledge of the concepts underlying leases, the rights and duties of the parties to a lease and assignation and termination of

leases; to introduce students to the trust concept and its operation; to explain the nature of testate and intestate succession, testamentary writings, vesting; to explain the tax consequences of property transactions; to take responsibility for effective individual and group discussion and problem solving exercises; to develop research skills; to develop problem solving skills; to assist the acquisition and development of effective groupworking skills; to assist the acquisition and development of organisational and communication skills required to both lead and be a participative member of a task-based group; to satisfy the professional requirements of the Law Society of Scotland and to provide a theoretical basis for Conveyancing practice in the Diploma in Legal Practice.

*Course Co-ordinator:* Mr Thomas Guthrie

## 8ZLV TAX LAW 2

*Credits:* 10 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* 1 hour Lectures on Monday at 1100 and Tuesday at 1600

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* Taxation (345B)

*Assessment:* There will be one piece of summative assessment, a 3,000 word research assignment based on a complex multi-tax problem to be completed by each individual student taking the course submission deadline - Week 9 of Semester 1 Resit Research Assignment with an August deadline.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are as follows: to explain the scope of the UK tax jurisdiction; to introduce students to the sources of UK tax law including relevant aspects of European and international tax law; to provide students with a knowledge of the structure of Value Added Tax, Income Tax, Corporation Tax, Capital Allowances, Capital Gains Tax, Stamp Duty/ Stamp Duty Land Tax and Inheritance Tax; to provide students with a detailed knowledge of key elements of Value Added Tax and Income Tax; to develop research, problem solving and written communication skills; to encourage students to study tax law at a higher academic level.

*Course Co-ordinator:* Mr John Brown

## 87HT ANTI-DISCRIMINATION LAW IN PRACTICE

*Credits:* 30 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Weekly 2 hour seminars - day and time to be confirmed.

*Requirements of entry:* None

*Assessment:* Degree exam ? 60%; Essay ? 20%; Case study ? 20%.

*Degree Examination taken in:* April/May

*Aims:* To introduce students to the principles of British discrimination law; To consider the development of British discrimination law within its European context; To introduce students to the theoretical and contextual background of discrimination law; To develop an awareness of the scope of British discrimination law; To encourage an understanding of the application of discrimination law in practice.

*Course Co-ordinator:* Dr Muriel Robison

## MNDW FORENSIC PATHOLOGY

*Credits:* 30 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Weekly 2-hour seminars.

*Requirements of entry:* Grade D or better in Forensic Medicine 1

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* The main assessment will be in the form of a final examination that will comprise 75% of the final mark. This will take the form of a number of essays and/or short notes on topics from the course that will test the student's knowledge of the course subjects and their ability to apply that to a range of situations. The other 25% of the final mark will be obtained from completion of a written assignment on a specified topic at the end of semester 1. The subject will be in the forensic pathology field but not necessarily be directly from the core material. The student will be expected to research the topic and critically analyse the information with appropriate references.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To give participants an understanding of the work of the forensic pathologist and the issues surrounding the investigation of death. To provide knowledge of the main types of injury and their interpretation in the medico-legal setting. To develop an awareness of the relevance of forensic pathology in criminal and civil law.

*Course Co-ordinator:* Dr Marjorie Black

## MNZX FORM AND SUBSTANCE OF PRIVATE LAW JURISPRUDENCE

*Credits:* 30 *Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Fridays from 1100 to 1300

*Requirements of entry:* Students will be expected to have a minimum grade D in Property Law

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* 30% - 3500 word Essay submission due at end of March 70% - 3-hour examination in May/June diet

*Degree Examination taken in:* April/May

*Aims:* Knowledge based aims: The aim of the course is to enlarge the technical knowledge of the basic concepts of private law with a broader understanding of the socio-political function and meaning of these concepts.

To introduce the students to some of the seminal theoretical writings about private law and to engage them in close reading and discussion of these texts. To assist students in developing a critical understanding of the relationship of private law to its social environment and to encourage them to apply this understanding in their engagement with problems of private law. To help students appreciate the complex social dynamics of private law reasoning and to develop an ability to construct private law arguments in view of this complex social dynamics. To enable students to critically judge and assess judicial reasoning in key examples of private law case law and use this assessment in their own argumentation about problem cases and areas in private law.

Skill based aims:

The “broader understanding of the basic concepts of private law” invoked under “Knowledge based aims” will enhance and enrich the students’ argumentative and reasoning skills. The “broader understanding of the basic concepts of private law” invoked under “Knowledge based aims” will enhance and enrich the ability of students to employ private law reasoning in any sphere of employment or entrepreneurship where an understanding of the law plays a crucial law. The “broader understanding of the basic concepts of private law” invoked under “Knowledge based aims” will enhance and enrich the students’ analytical skills.

*Course Co-ordinator:* Prof Johan Van Der Walt

## **89YR ADVANCED INTERNATIONAL LAW**

*Credits:* 30

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* Weekly 2 hour lectures - Monday 1500 - 1700

*Requirements of entry:* Achievement of at least a C grade in Public International Law

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* ·Summative:Class essay, 1,500-2,000 words (30%); 3-hour final exam (70%) ·Formative: Feedback will be provided on in class discussion and presentations

*Degree Examination taken in:* April/May

*Aims:* ·to provide an in-depth analysis of the character and development of international law; ·to provide a fuller and deeper understanding of the legal factors that govern the operation of international law; ·to examine current developments in the various institutions considered (e.g., the United Nations, the World Trade Organisation, etc.); ·to enhance the students’ understanding of the nature and development of international dispute settlement; ·to deepen the students’ understanding of various specialised branches of international law (e.g., international law of human rights, international environmental law); ·to enhance the students’ overall critical analytical skills; ·to facilitate the general development of group-work, oral communication, written presentation, and information processing skills.

*Course Co-ordinator:* Mr Akbar Rasulov

## **89SX CIVIL JURISDICTION AND EVIDENCE**

*Credits:* 30

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* Twice weekly 1 hour principally lectures with some seminars/student led presentations - Tuesday 0900-1000 and Thursday 0900-1000

*Requirements of entry:* Normally minimum D pass in Principles of Private Law.

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* Examination (100%)

*Degree Examination taken in:* April/May

*Aims:* The knowledge-based aims of the course are: (1) To explain the nature and the theory of the subject of International Private Law, its methods and terminology; (2) To enable students to identify conflict of laws issues in a legal problem; (3) To enable students critically to describe problems of the interpretation and ambit of jurisdictional rules, and to present reasoned argument upon complex conflict of laws problems in the area of civil jurisdiction; (4) To enable students to present informed argument upon points of the Scots law of civil evidence; (5) To equip students to apply conflict rules of Scots (and, subsidiarily, English) conflict rules in complex legal problems in the area of civil jurisdiction, so that they may be able to provide accurate, relevant and authoritative answers to problems arising within the subject area; (6) To enable students to provide an informed evaluation of the different methods of allocation of jurisdiction; (7) To enable students to differentiate between issues of substance and procedure, and to be able to advise upon the content and nature of particular pre-trial safeguards and remedies, and to explain the rules governing proof of foreign law and the significance thereof; (8) To equip students to explain the theory and detail of foreign decree enforcement; (9) To enable students to explain the Scots rules of civil evidence, and critically to examine areas of controversy within this field. The knowledge/skills-based aim of the course is: To introduce students to the subject of law reform in the area of civil jurisdiction and evidence, so that they may be able to appreciate recent and proposed law reform measures (national and international), including, in particular, the impact of the creation of the European judicial area; The skills-based aims of the course are: (1) To develop students skills of problem-solving and analysis; (2) To develop student skills in handling materials relating to conflict rules in the area of civil jurisdiction and evidence, including statutory and case interpretation, and reading and assessment of Law Commission reports and other consultation documents; (3) To foster student skills of written communication and problem solving by means of submission of diagnostic written assignment, and satisfactory performance in the degree examination.

*Course Co-ordinator:* Prof Elizabeth Crawford

## **89TG COMMERCIAL BANKING**

*Credits:* 30

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* Weekly - Thursday 1500 - 1700

*Requirements of entry:* Normally minimum of D in Commercial Law (Level 2)

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* Essay (25%); examination (75%).

*Degree Examination taken in:* April/May

*Aims:* To provide a critical understanding of the law of commercial banking (knowledge); To provide students with tools for the critical analysis of problems in the law of commercial banking (skill).

*Course Co-ordinator:* Prof Lorne Crerar

### **89TH COMPARATIVE LAW**

*Credits:* 30

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* Monday 1300 - 1500 in Semesters 1 and 2

*Requirements of entry:* Normally minimum of D in Jurisprudence (Level 2)

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* Essay (25%); examination (75%).

*Degree Examination taken in:* April/May

*Aims:* To examine current issues and methodology of comparative law (and major legal traditions and carry out micro comparisons in a number of fields (knowledge); To provide students with tool for analysing different solutions to similar problems (skill).

*Course Co-ordinator:* Prof Esin Orucu

### **89SW CRIMINAL JUSTICE**

*Credits:* 30

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* To be arranged

*Requirements of entry:* Normally Criminal Law and Evidence

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* Degree exam - 70%; Class essay - 30%.

*Degree Examination taken in:* April/May

*Aims:* 1. To introduce the student to the criminal justice process and policy with particular reference to Scotland. 2. To explore the role of the police and prosecution system in prosecuting crime. 3. To analyse procedures for the trial and sentencing of criminal behaviour. 4. To foster a critical understanding and evaluation of areas of controversy within these areas of criminal process. 5. To carry out independent research on a topic of contemporary relevance.

*Course Co-ordinator:* Dr Fiona Leverick

### **93BP ENVIRONMENTAL LAW**

*Credits:* 30

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* Teaching will take the form of 15 weekly sessions containing lectures and class discussions, each

lasting 2 hours (c. 30 hours in total). They will be held at 2.00 p.m. on Wednesdays.

*Requirements of entry:* Students will be admitted to this course by GPA performance

*Assessment:* 4000 word essay (40%) and 2 hour final examination (60%)

*Degree Examination taken in:* April/May

*Aims:* The course content includes the legal, political and social background of environmental law; approaches to environmental protection and prevention of pollution; sources of environmental law (international, EU, UK law); regulatory agencies; issues in enforcement of environmental law at EC and national level; the substantive law relating to the protection of certain environmental media, such as, protection of habitat/nature conservation, prevention of water pollution, atmospheric pollution and integrated pollution control; the future of environmental law and sustainable development.

*Course Co-ordinator:* Mr Kenneth Ross

### **0CWW EUROPEAN LEGAL HISTORY 3**

*Credits:* 30

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* Weekly Seminar or Lecture in Semester One  
Weekly Seminar or Lecture in Semester Two

*Requirements of entry:* Requires the following mandatory courses: Sources and Institutions of Scots Law (8RBU) or Legal Systems Ordinary (9G3B). Visiting students - at the discretion of the course convenor.

*Co-requisites:* None

*Excluded Courses:* European Legal History Module 1; European Legal History Module 2. 8RFW European Legal History 3 8RGW Medieval European Legal History 3 90ZF Medieval European Legal History for Historians

*Assessment:* Research Essay ? 50%; two class tests ? 20% each; seminar performance ? 10%.

*Degree Examination taken in:* April/May

*Aims:* The aims of the course are to: 1. Provide students with a thorough understanding of the historical development of aspects of law and legal institutions within western Europe 2. Provide an overview of the historical sources relevant to the field of European Legal History. 3. Develop the analytical and critical skills of students by detailed examination of particular legal developments. 4. Develop research skills by requiring students to undertake an assessed essay. 5. Develop the oral and presentational skills of students by class discussion and also by requiring each student to make a class presentation based on a prescribed topic of research. 6. Develop the general knowledge of students, particularly their knowledge of Scottish and European history. 7. Deepen appreciation of particular areas of contemporary law by adding a new dimension to existing knowledge of those areas.

*Course Co-ordinator:* Dr John Finlay

### **89TJ HUMAN RIGHTS AND SCOTS LAW**

*Credits:* 30

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* Weekly 2 hour seminars - Wednesday 1100-1300

*Requirements of entry:* D grades in SISL and Law and Government at the first attempt

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* Group essay (25%); group project report (25%); examination (50%).

*Degree Examination taken in:* April/May

*Aims:* This course aims to develop an understanding of the European Convention on Human Rights (including the impact of incorporation on domestic law) and related European human rights instruments and also certain 'transferable' or 'key' skills in students: ie, communication, problem-solving, working with others, improving one's own learning and performance, and IT.

*Course Co-ordinator:* Prof James Murdoch

### **89TD INSTITUTIONS AND JUDICIAL CONTROL OF THE EU**

*Credits:* 30

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* Weekly 2 hour seminars - Monday 1100 - 1300

*Requirements of entry:* Normally, a grade C or above in Sources and Institutions of Scots Law and Law and Government. International exchange students will be expected to have previously studied some public law.

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* Essay (25%); examination (75%).

*Degree Examination taken in:* April/May

*Aims:* Knowledge based: To examine the institutional framework of the EU; To discuss and critique the current debates on the reform of the EU; To introduce students to the debates on good governance in the EU; To enable a deeper understanding of EU law-making; To gain a critical understanding of the role of the European Courts and judicial remedies. Skills based: To enhance research skills in the field of European constitutional law; To encourage students to engage in constructive and analytical discussions on key issues in the seminar; To enable students to write critically about EU institutions and processes; To encourage and enhance learning through group-work in seminars.

*Course Co-ordinator:* Miss Maria Fletcher

### **89KX INTELLECTUAL PROPERTY LAW**

*Credits:* 30

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* Weekly two hour seminars - Tuesday 1300-1500

*Assessment:* Assessment consists of a 2,000 word answer to a problem (25%) and a three hour final exam (75%) in which three questions must be answered from ten.

*Degree Examination taken in:* April/May

*Aims:* The principal aim of this course is to promote familiarity and understanding of the law as it relates to the field of Intellectual Property in the United Kingdom and Europe and to situate that understanding within an

international context. Further aims are: (i) to develop the analytical and critical skills of students by detailed examination some of the relevant legislation, conventions and cases governing Intellectual Property law; (ii) to instil in students an ability to constructively criticise current Intellectual Property law and to suggest and evaluate possible reforms; (iii) to give students some knowledge of the practical applications of Intellectual Property law; (iv) to foster an understanding of and ability to evaluate areas of controversy within this area of law.

*Course Co-ordinator:* Mr Thomas Guthrie

### **89TE LEGAL THEORY**

*Credits:* 30

*Level:* H

*When Taught:* Full Session (September - March)

*Timetable:* Weekly 2 hour seminars - Thursday 1300 - 1500

*Requirements of entry:* Normally a C in Jurisprudence

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* Essay (40%); examination (60%).

*Degree Examination taken in:* April/May

*Aims:* Provide students with an in-depth understanding of some central problems of legal theory; Strengthen students' analytical skills in dealing with a range of theoretical and practical legal issues; Broaden students' awareness of legal theoretical questions in a historical, contemporary and comparative framework.

*Course Co-ordinator:* Dr Thomas Veitch

## **School of Modern Languages & Cultures**

### **9MJU COMPARATIVE LITERATURE 1A - HEROES (HEROIC MEN)**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesday, Wednesday and Thursday at 12.00 p.m.

*Assessment:* One piece of comparative work, normally an essay (weighted at 40%), and one two-hour end of course exam containing a strong comparative element with each question addressing at least two texts (weighted at 60%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course analyses works representing different types of hero: classical, tragic, popular, traditional, comic, anti-heroes and others. It explores the notion of heroism, its absence in our lives and our longing for it as this finds expression in various historical contexts and cultures. It also deals with the notion of masculinity as a cultural and historical construct. The course will encourage students to apply the analytical skills they have gained to a wide range of problems which may confront them in different situations and contexts in later life.

*Course Co-ordinator:* Dr Laura Martin

**9NPU COMPARATIVE LITERATURE 1B  
- HEROES (HEROIC WOMEN)***Credits:* 20 *Level:* 1*When Taught:* Semester 2 (January - March)*Timetable:* Tuesday, Wednesday and Thursday at 12.00 p.m.

*Assessment:* One piece of comparative work, normally an essay (weighted at 40%), and one two-hour end of course exam containing a strong comparative element with each question addressing at least two texts (weighted at 60%).

*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* This course analyses various depictions of “heroic women” in different cultural contexts and historical periods. It explores the notion of female heroism in contrast to male heroism, indicating major differences and similarities. It also deals with women writers’ responses to male writers’ depictions of female protagonists. The course will encourage students to apply the analytical skills they have gained to a wide range of problems which may confront them in different situations and contexts in later life.

*Course Co-ordinator:* Dr Laura Martin**9NQV COMPARATIVE LITERATURE 2A  
- FRONTIERS (CROSSING BORDERS)***Credits:* 20 *Level:* 2*When Taught:* Semester 1 (September - December)*Timetable:* Tuesday, Wednesday and Thursday at 4.00 p.m.

*Requirements of entry:* At least 20 credits at Grade D or better in one of the following subjects at Level 1: Comparative Literature; a Modern Language Course which includes the study of literature; Classical Civilisation; English Literature; Scottish Literature; Slavonic Studies; or, in other cases, by permission of Course Convener.

*Assessment:* One piece of comparative work, normally an essay (weighted at 40%), and one two-hour end of course exam containing a strong comparative element with each question addressing at least two texts (weighted at 60%).

*Degree Examination taken in:* December*Resit Examination taken in:* August/September

*Aims:* This course aims to analyse the theme of “crossing borders” in geographical, scientific, political, psychological, social, cultural and gender-orientated terms, building on literary skills which students have acquired through study at Level 1. It focuses on the human motivations behind, and the consequences of, various “crossings” as well as the exploration of otherness, secrets, mysteries and taboos. It additionally deals with literary depictions of exile, emigration, travels, love and broadly understood “discoveries”. The course will encourage students to apply the analytical skills they have gained to a wide range of problems which may confront them in different situations and contexts in later life.

*Course Co-ordinator:* Dr Elwira Grossman**9NRV COMPARATIVE LITERATURE 2B  
- FRONTIERS (EXPLORING IDENTITY)***Credits:* 20 *Level:* 2*When Taught:* Semester 2 (January - March)*Timetable:* Tuesday, Wednesday and Thursday at 4.00 p.m.

*Requirements of entry:* At least 20 credits at Grade D or better in one of the following subjects at Level 1: Comparative Literature; a Modern Language Course which includes the study of literature; Classical Civilisation; English Literature; Scottish Literature; Slavonic Studies; or, in other cases, by permission of Course Convener.

*Assessment:* One piece of comparative work, normally an essay (weighted at 40%), and one two-hour end of course exam containing a strong comparative element with each question addressing at least two texts (weighted at 60%).

*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* Building on literary skills which students have acquired through study at Level 1, this course will focus on various literary and cinematic depictions of the human search for identity and the meaning of self through a series of challenging texts and films from a variety of cultures. The course will encourage students to apply the analytical skills they have gained to a wide range of problems which may confront them in different situations and contexts in later life.

*Course Co-ordinator:* Dr Andrei Rogatchevski**0BUW COMPARATIVE LITERATURE  
3A: CONSTRUCTING THE LITERARY  
SELF***Credits:* 30 *Level:* 3*When Taught:* Semester 1 (September - December)*Timetable:* Tuesday, Wednesday and Thursday at 3.00

*Requirements of entry:* 40 credits at grade D or better in any subject at level 2, of which: At least 20 credits at grade D or better in one of the following subjects at level 2: Comparative Literature, A Modern Language course which includes the study of literature; Celtic Civilization; Classical Civilization; English Language; English Literature; Scottish Literature; Slavonic Studies; Narratives of Adultery (Crichton); or, in other cases, by permission of Course Convener

*Assessment:* One essay (33.33%); Final 2-hour examination (66.66%)

*Degree Examination taken in:* December*Resit Examination taken in:* August/September

*Aims:* To introduce students to certain major representative works of literature in translation and thereby to develop their literary awareness and sensitivity, with a particular emphasis on constructions of the self in literature across a range of cultures and periods; To engage students imaginatively in the process of reading and analysing literary texts in translation; To allow students to critically reflect upon the advantages and disadvantages of differing approaches to literary material and to

select interpretative models that seem appropriate to a given piece or body of material; To extend students' analytical and presentational skills acquired at Levels 1 and 2; To develop an awareness of intercultural issues by presenting set texts not only individually, but also in relation to each other; To develop, through written assignments and tutorial discussion, skills that are both important in their own right and are also transferable, notably independent critical thinking and judgement, the ability to assimilate, analyse and compare unfamiliar/difficult material, solve problems, produce assignments, organise time, learn independently, argue coherently, and handle detail without losing sight of general perspectives.

*Course Co-ordinator:* Dr Eanna O'Ceallachain

### **OBVW COMPARATIVE LITERATURE 3B: SELF AND HISTORY IN LITERATURE**

*Credits:* 30

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Tuesday, Wednesday and Thursday at 3.00

*Requirements of entry:* 40 credits at Grade D or better in any subject at Level 2, of which: At least 20 credits at Grade D or better in one of the following subjects at Level 2: Comparative Literature, A Modern Language course which includes the study of literature; Celtic Civilization; Classical Civilization; English Language; English Literature; Scottish Literature; Slavonic Studies; Narratives of Adultery (Crichton); or, in other cases, by permission of the Course Convener

*Assessment:* One essay (33.33%); Final 2-hour examination (66.66%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students to certain major representative works of literature in translation and thereby to develop their literary awareness and sensitivity, with a particular emphasis on the relationship between literature and the socio-cultural, historical and ideological contexts from which it emerges; To engage students imaginatively in the process of reading and analysing literary texts in translation; To allow students to critically reflect upon the advantages and disadvantages of differing approaches to literary material and to select interpretative models that seem appropriate to a given piece or body of material; To extend students' analytical and presentational skills acquired at Levels 1 and 2; To develop an awareness of intercultural issues by presenting set texts not only individually, but also in relation to each other; To develop, through written assignments and tutorial discussion, skills that are both important in their own right and are also transferable, notably independent critical thinking and judgement, the ability to assimilate, analyse and compare unfamiliar/difficult material, solve problems, produce assignments, organise time, learn independently, argue coherently, and handle detail without losing sight of general perspectives.

*Course Co-ordinator:* Dr Donatella Fischer

### **9BFF COMPARATIVE LITERATURE 3H (JOINT)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Core course: 1 hour weekly, on Tuesday at 1.00. Other times depend on option choice.

*Requirements of entry:* Grade D or better in at least two of the four Comparative Literature courses at levels 1 and 2, at least one of which must be at level 2 with grade C or better.

*Co-requisites:* Acceptance into Joint Honours by another relevant Department and compliance with Arts Faculty regulations on Honours entry.

*Assessment:* One Core course: 2-hour exam (50%); essay (50%). Optional courses, depending on student choices, will be assessed by a combination of course work and examination. All 3H courses examined at end of 3H year.

*Degree Examination taken in:* April/May

*Aims:* To engage students in the comparative study of literatures/cultures of different languages, nations and periods with a view to examining and analysing their inter-relationships. To introduce students, through the core courses, to major concepts in literary and cultural theory and intercultural approaches to literature. To offer students the opportunity of studying culturally different texts in a framework which includes issues of gender, ethnicity and colonial and post-colonial experiences. To allow students to reflect critically upon differing approaches to literary material and to select interpretative models appropriate to a given text or texts. To give students an awareness of issues of language and translation as they relate to the reading of texts from different cultures. To develop, to an advanced level, skills of analysis, argument and presentation acquired at levels 1 and 2. To develop, through written assignments and seminar discussion, skills that are both important in their own right and are also transferable, notably independent critical thinking and judgement, the ability to assimilate, analyse and compare unfamiliar/difficult material, solve problems, produce assignments, organize time, learn independently, argue coherently, and handle detail without losing sight of general perspectives.

*Honours Course Prescription:* All students take two compulsory 15-credit core courses (one in 3H, one in 4H): Intercultural Readings and Theories of Reading. Students choose options to make up remaining credits. Options in 3H may include ONE of: Constructing the Literary Self; Self and History in Literature. Options may include one course worth up to a maximum of 30 credits from the available 'language only' courses in SMLC at levels 1, 2 and 3. Other options include (not all are necessarily available in any given year): The European Emblem; French Cinema; Czech, Polish and Russian Women's writing; Russian Novel; Mass Media of Central and Eastern Europe; Further Issues Concerning Mass Media of Central and Eastern Europe; Contemporary Czech Cinema; Polish Literature in Translation from Renaissance to C20th; 20th Century Polish Literature; Contemporary Polish Cinema; Polish Identities; History of the Czechs and the Slovaks; Domesticating the Dictators; Slavonic Drama; Russian Cinema;



The Literature of the Holocaust; Power and Culture in Late Soviet and Post-Soviet Russia; Grimm's Fairy Tales; Medieval Welsh Literature; Early Gaelic Literature; Belief and Culture: Early Medieval Ireland and Scotland; Censorship in Western Culture; Infidelities; Estonian Society, Culture and Language; Borges, the World and Text. Not more than one option of a non-comparative nature may be chosen. A dissertation (15 credits) may be substituted for one option in 3H year.

*Course Co-ordinator:* Dr Laura Martin

### **9BLG COMPARATIVE LITERATURE 4H (JOINT)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Core course: 1 hour weekly, on Tuesday at 1.00. Other times depend on option choice.

*Requirements of entry:* Grade D or better in at least two of the four Comparative Literature courses at levels 1 and 2, at least one of which must be at level 2 with grade C or better.

*Co-requisites:* Acceptance into Joint Honours by another relevant Department and compliance with Arts Faculty regulations on Honours entry.

*Assessment:* One Core course: 2-hour exam (50%); essay (50%). Optional courses, depending on student choices, will be assessed by a combination of course work and examination. All 3H courses examined at end of 3H year.

*Degree Examination taken in:* April/May

*Aims:* To engage students in the comparative study of literatures/cultures of different languages, nations and periods with a view to examining and analysing their inter-relationships. To introduce students, through the core courses, to major concepts in literary and cultural theory and intercultural approaches to literature. To offer students the opportunity of studying culturally different texts in a framework which includes issues of gender, ethnicity and colonial and post-colonial experiences. To allow students to reflect critically upon differing approaches to literary material and to select interpretative models appropriate to a given text or texts. To give students an awareness of issues of language and translation as they relate to the reading of texts from different cultures. To develop, to an advanced level, skills of analysis, argument and presentation acquired at levels 1 and 2. To develop, through written assignments and seminar discussion, skills that are both important in their own right and are also transferable, notably independent critical thinking and judgement, the ability to assimilate, analyse and compare unfamiliar/difficult material, solve problems, produce assignments, organize time, learn independently, argue coherently, and handle detail without losing sight of general perspectives.

*Honours Course Prescription:* All students take two compulsory 15-credit core courses (one in 3H, one in 4H): Intercultural Readings and Theories of Reading. Students choose options to make up remaining credits. Options in 3H may include ONE of: Constructing the Literary Self; Self and History in Literature. Options may include one course worth up to a maximum

of 30 credits from the available 'language only' courses in SMLC at levels 1, 2 and 3. Other options include (not all are necessarily available in any given year): The European Emblem; French Cinema; Czech, Polish and Russian Women's writing; Russian Novel; Mass Media of Central and Eastern Europe; Further Issues Concerning Mass Media of Central and Eastern Europe; Contemporary Czech Cinema; Polish Literature in Translation from Renaissance to C20th; 20th Century Polish Literature; Contemporary Polish Cinema; Polish Identities; History of the Czechs and the Slovaks; Domesticating the Dictators; Slavonic Drama; Russian Cinema; The Literature of the Holocaust; Power and Culture in Late Soviet and Post-Soviet Russia; Grimm's Fairy Tales; Medieval Welsh Literature; Early Gaelic Literature; Belief and Culture: Early Medieval Ireland and Scotland; Censorship in Western Culture; Infidelities; Estonian Society Culture and Language; Borges, the World and Text. Not more than one option of a non-comparative nature may be chosen. A dissertation (15 credits) may be substituted for one option in 3H year.

*Course Co-ordinator:* Dr Laura Martin

### **FRENCH**

#### **2HFU FRENCH 1A (LANGUAGE ONLY)**

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* No fixed class hour but a wide range of times available. A weekly language class on Tuesday, weekly video/language class on Monday at either 10am or 3pm, a fortnightly oral class.

*Requirements of entry:* At least grade C (B more advisable) in SCE Higher French or equivalent.

*Excluded Courses:* French 1A, French 1B, French 1B (Language Only)

*Assessment:* The total is made up of results from five equally weighted elements of assessment: (i) Continuous assessment grammar tests (ii) Paper One examination translation into French (iii) Paper One examination translation into English (iv) Video examination requiring paraphrase of video clip and related essay in French (v) Oral mark based half on continuous assessment and half on oral examination.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the language provision at Level 1A are to develop your skills in the understanding, reading, writing and speaking of French and increase your knowledge of French vocabulary and French grammar beyond the course entry level and to a standard sufficient for consideration for entry into the Level 2 class. You will be offered feedback on the various language exercises you are required to complete and submit (grammar tests, translations, independent writing, video comprehension exercises). You will also be required to prepare materials in advance of oral classes and then present those materials in the form of short exposés.

*Course Co-ordinator:* Dr Heather Lloyd

## **SUGU FRENCH 1A LANGUAGE, LITERATURE AND MODERN FRANCE**

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* A weekly language class on Tuesday, a weekly video/language class on Monday at 10am or 3pm, a weekly literature lecture on Thursday at 10am or 3pm, a fortnightly oral class.

*Requirements of entry:* At least grade C (B more advisable) in SCE Higher French or equivalent.

*Co-requisites:* None

*Excluded Courses:* French 1A (Language Only), French 1B, French 1B (Language Only)

*Assessment:* The language total is made up of results from five equally weighted elements of assessment: (i) Continuous assessment grammar tests (ii) Paper One examination translation into French (iii) Paper One examination translation into English (iv) Video examination requiring paraphrase of video clip and related essay in French (v) Oral mark based half on continuous assessment and half on oral examination. The literature/film total is made up of results from three equally weighted elements of assessment: (i) the better of two marks from a semester one essay and a semester two class test (ii) Paper Two examination literature commentary (iii) Paper Two examination literature/film essay. The language and literature/film halves of the course are equally weighted except that an overall satisfactory result normally requires a minimum level of performance to be achieved in the language half of the results.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the language provision at Level 1A are to develop your skills in the understanding, reading, writing and speaking of French and increase your knowledge of French vocabulary and French grammar beyond the course entry level and to a standard sufficient for consideration for entry into the Level 2 class. You will be offered feedback on the various language exercises you are required to complete and submit (grammar tests, translations, independent writing, video comprehension exercises). You will also be required to prepare materials in advance of oral classes and then present those materials in the form of short exposés. The literature and culture element of the course is designed to enhance your expertise in the study of literature and cinema, and also to inculcate various generally useful skills and techniques. The course will therefore: 1)introduce you to a range of texts of different genres from the nineteenth and twentieth centuries along with a range of French films mainly from the post-war period, 2)develop your capacity for sensitive and detailed reading of text and film, with awareness of their cultural and historical contexts, 3)develop your capacity for written critical analysis of texts and films and the constructing of viable arguments about those works and the issues which arise from them, 4)give you a sense of how both the set texts and films have been regarded and criticised, and of how that criticism has interacted with or is shaped by other arts and systems of thought.

*Course Co-ordinator:* Dr Heather Lloyd

## **1C7B FRENCH 1B (BEGINNERS' LANGUAGE: INSTITUTIONS AND LITERATURE)**

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* A weekly video/grammar class on Tuesday at 10, 2 or 3. A further weekly language class on Wednesday at 10, 2 or 3. A weekly literature/film lecture on Thursday at 10 or 3. A fortnightly oral class at various times.

*Requirements of entry:* Entrance is restricted to those who do NOT have a pass in SCE Higher French or its equivalent within the last four years.

*Excluded Courses:* French 1B (Language Only), French 1A, French 1A (Language Only)

*Assessment:* The language total is made up of results from five equally weighted elements of assessment: (i) Continuous assessment language tests (ii) Paper One examination translation into French (iii) Paper One examination translation into English (iv) Video comprehension examination (v) Oral mark based half on continuous assessment and half on oral examination. The literature/film total is made up of results from three equally weighted elements of assessment: (i) the better of two marks from a semester one essay and a semester two class test; (ii) and (iii) Two literature/film examination questions (Paper Two). The language and literature/film halves of the course are equally weighted.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the language provision at Level 1B to introduce you to the grammar and syntax of the French language, to help you acquire a basic vocabulary, to enable you to use the language both in speaking and writing and to acquaint you in general terms with French culture. You will acquire skills in the understanding, reading, writing and speaking of French and increase your knowledge of French vocabulary and French grammar, such that students who perform very well on the course will attain a standard sufficient for consideration for entry into the Level 2 class. You will be offered feedback on all the language exercises you are required to complete during the course: grammar tests, translations, video comprehension exercises. You will also be encouraged to prepare materials in advance of oral classes and then present those materials to the class. The literature and culture element of the course is designed to enhance your expertise in the study of literature and cinema, and also to inculcate various generally useful skills and techniques. The course will therefore: 1)introduce you to a range of texts of different genres from the nineteenth and twentieth centuries along with a range of French films mainly from the post-war period, 2)develop your capacity for sensitive and detailed reading of text and film, with awareness of their cultural and historical contexts, 3)develop your capacity for written critical analysis of texts and films and the constructing of viable arguments about those works and the issues which arise from them, 4)give you a sense of how both the set texts and films have been regarded and criticised, and of how that criticism has interacted with or is shaped by other arts and systems of thought.

*Course Co-ordinator:* Dr Heather Lloyd

## 2NDU FRENCH 1B (LANGUAGE ONLY)

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* A weekly video/grammar class on Tuesday at 10, 2 or 3. A further weekly language class on Wednesday at 10, 2 or 3. A fortnightly oral class at various times.

*Requirements of entry:* Entrance is restricted to those who do NOT have a pass in SCE Higher French or its equivalent in the last four years.

*Excluded Courses:* French 1B, French 1A, French 1A (Language Only)

*Assessment:* The total is made up of results from five equally weighted elements of assessment: (i) Continuous assessment language tests (ii) Paper One examination translation into French (iii) Paper One examination translation into English (iv) Video comprehension examination (v) Oral mark based half on continuous assessment and half on oral examination.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the language provision at Level 1B to introduce you to the grammar and syntax of the French language, to help you acquire a basic vocabulary, to enable you to use the language both in speaking and writing and to acquaint you in general terms with French culture. You will acquire skills in the understanding, reading, writing and speaking of French and increase your knowledge of French vocabulary and French grammar, such that students who perform very well on the course will attain a standard sufficient for consideration for entry into the Level 2 class. You will be offered feedback on all the language exercises you are required to complete during the course: grammar tests, translations, video comprehension exercises. You will also be encouraged to prepare materials in advance of oral classes and then present those materials to the class.

*Course Co-ordinator:* Dr Heather Lloyd

## 7FNV FRENCH 2

*Credits:* 40

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Lectures at 12 noon on Tuesday and Wednesday, language tutorials at 11am, 12 noon or 1pm on Thursday. Literature tutorials, Computer Assisted Language Learning and conversation classes at various other times.

*Requirements of entry:* Grade D or better at French 1A or 1C, or grade B or A at French 1B, or by Head of Department's permission.

*Assessment:* Three 2-hour examinations; Oral; continuous assessment literature exercises during both semesters.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To extend all students' linguistic skills (both written and spoken) acquired at level 1; to introduce

full-time students to certain major representative works of literature from the 17th to the 20th centuries in a range of genres, and thereby to develop their literary sensitivity; to enhance all students' sense of the interest, importance and usefulness of their studies not only as preparation for future visits to French-speaking countries (eg during the year abroad) but also as relevant to an understanding of current attitudes and contemporary events (eg Voltaire on War); to develop, through written and oral assignments, skills that are both important in their own right and also transferable (and therefore important for employment prospects), notably the ability to assimilate and analyse unfamiliar/difficult material, solve problems, produce assignments, organize time, learn by oneself, argue cogently, and handle detail without losing sight of general perspectives.

*Course Co-ordinator:* Mr Dougal Campbell

## 7ETV FRENCH LANGUAGE 2

*Credits:* 20

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Language lectures/seminars at 12 noon on Wednesday, language tutorials at 11am, 12 noon or 1pm on Thursday, weekly conversation classes and fortnightly Computer Assisted Language Learning classes at various other times.

*Requirements of entry:* Grade D or better in French 1A ('Language Only' course) or grade B or A in French 1B ('Language Only' course) or by Head of Department's permission.

*Assessment:* Two 2-hour examinations; Oral; continuous assessment exercises during both semesters.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Language study through written translation, comprehension, oral classes and some use of material recorded on cassette and video to develop aural/oral skills. Aims are: to extend students' linguistic skills (both written and spoken) acquired in Level 1 French; to enhance students' sense of the interest, importance and usefulness of their studies not only as a preparation for future visits to French-speaking countries (e.g. on ERASMUS/SOCRATES courses) but also as relevant to an understanding of current affairs and attitudes (e.g. as reflected in contemporary journalism, both spoken and written); to develop skills that are important both in their own right and for employment purposes.

*Course Co-ordinator:* Mr Dougal Campbell

## 114D FRENCH 3

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Language, Tuesday and Wednesday at 12 noon and a further language class (choice of times); Students will also study courses amounting to 30 credits (e.g. 2 x 15 credit courses or 4 x 7.5 credit courses) from the Honours courses.

*Requirements of entry:* Head of Department's discretion

*Assessment:* One three-hour written language paper of translations into (33.3%) and out of French (33.3%), plus an oral examination (33.3%). A minimum D grade to have been obtained in the written paper. In Literature, Honours content courses are examined by continuous assessment (see Honours content courses).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The oral and written assignments are designed to encourage autonomous learning, good time-management and analytical and communicative skills, which are highly valued in all spheres of employment. The aims of the Honours content courses are to encourage study in depth of a period, a genre or of specific aspects of language and to foster autonomous work and analytical skills, as in Honours. Choices are made in consultation with the Honours coordinator.

*Course Co-ordinator:* Mr William Dickson

### 114F FRENCH 3H (JOINT)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Seminars are daily at 10.00 am and 12.00 and at other times to be arranged. All tutorials are at times to be arranged.

*Requirements of entry:* Normally satisfactory performance in French 2 and a prolonged period of residence in France. Those students who have spent a year in another country such as Germany spend the third term of Junior Honours at a course in France.

*Assessment:* Joint Honours students take 4 x 15 credit courses over two years or equivalent involving 7.5 credit courses + 60 credits language over two years. Language: two written papers by examination; two oral examinations in Senior Honours. (Each language paper/oral is rated at 15 credits). Content courses: see details of assessment of content courses under 'honours course prescription'. The content element will be examined by continuous assessment or end of term exam in both Junior and Senior Honours.

*Degree Examination taken in:* April/May

*Aims:* Wherever possible, to give the student as much choice for exploring aspects of French language, literature and culture as is consistent with staff availability; To consolidate and significantly develop the student's existing knowledge of French language, literature and culture; building on a period of extended residence abroad; to consolidate both written and oral language acquisition; to develop transferable analytical and presentational skills.

*Honours Course Prescription:* Throughout the two years of study students have regular written language and oral classes. Content courses are chosen from the following: From Epic to Romance; Tricks and Tricksters in Medieval Narrative; Late Medieval Lyric Poetry; Ronsard and Rabelais: Renaissance Humour; Emblems; The Triumph of Theatre 1630-1680; Corneille Dramatist; The Tragedy of Racine; Molière; Illusion and Truth: from Montaigne to Voltaire; The Court of Versailles; Sexuality, Textuality and Society;

The Eighteenth-century French novel; History in 19th-century Prose Fiction; Québec Politics and Culture; Bande Dessinée; L'Ecole de Brive: social change and identity in the modern novel; French Cinema; Recent French Social Thought; Sexualities I (Dissidence); Sexualities II (Sado-masochism); Remembering in 20th-century Fiction; Stagecraft and Witchcraft; The 20th-century Novel; Women's Writing; Parallel Visions: Poetic Visuality/Screen Writing in French 20th-century Poetry and Cinema; 20thC French Thought; French Dialects; Le Français des Affaires; Le Français des Sciences sociales; Legal French; Modern Occitan Culture; Medieval and Renaissance Occitan Literature; TEFL. Content courses will normally be assessed by an essay or similar piece of work written at the end of term. In the case of French Dialects, Le Français des Affaires, Le Français des Sciences Sociales and Legal French, the course will not be assessed by the usual essay but by a mixture of appropriate language exercises (linguistic commentary, translation, video comprehension, résumé and synthesis) over the course of each term, both from and into French, some exercises being done under examination conditions.

*Course Co-ordinator:* Mr William Dickson

### 114H FRENCH 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Seminars are daily at 10.00 am and 12.00 and at other times to be arranged. All tutorials are at times to be arranged. Stylistics (Junior Honours) on Tuesdays at 2.00, and Video and related language work (Senior Honours) on Tuesdays at 9.00.

*Requirements of entry:* Normally satisfactory performance in French 2 and a prolonged period of residence in France.

*Assessment:* Single Honours students take 8 x 15 credit courses (or equivalent) + 30 credit Dissertation + 90 credits in language over the two years. Language: two written language papers; two oral examinations in Senior Honours; a paper on Stylistics (end of Junior Honours) and a paper on video-based language analysis (Senior Honours). All language papers are weighted at 15 credits each and the proportion of total assessment for language is 37.5%. Content courses: see details of assessment of content courses under 'honours course prescription'. Content elements equivalent to 50% of the total assessment will be examined by class essays submitted during Junior and Senior Honours or end of term exams. 12.5% of assessment is by dissertation (8000-10,000 words), submitted prior to the commencement of the Senior Honours year.

*Degree Examination taken in:* April/May

*Aims:* Wherever possible, to give the student as much choice for exploring aspects of French language, literature and culture as is consistent with staff availability; to consolidate and significantly develop the student's existing knowledge of French language, literature and culture; building on a period of extended residence abroad; to consolidate both written and oral language acquisition; to develop transferable analytical and presentational skills.

*Honours Course Prescription:* Throughout the two years of study students have regular written language and oral classes. Single Honours also follow courses in Stylistics and Video and related language work. Content courses are chosen from the following: From Epic to Romance; Tricks and Tricksters in Medieval Narrative; Late Medieval Lyric Poetry; Ronsard and Rabelais: Renaissance Humour; Emblems; The Triumph of Theatre 1630-1680; Corneille Dramatist; The Tragedy of Racine; Molière; Illusion and Truth: from Montaigne to Voltaire; The Court of Versailles; Sexuality, Textuality and Society: The Eighteenth-century French novel; History in 19th-century Prose Fiction; Québec Politics and Culture; Bande Dessinée; L'Ecole de Brive: social change and identity in the modern novel; French Cinema; Recent French Social Thought; Sexualities I (Dissidence); Sexualities II (Sado-masochism); Remembering in 20th-century Fiction; Stagecraft and Witchcraft; Sharpened senses etc etc to pages of bodies; The 20th-century Novel; Women's Writing; Parallel Visions: Poetic Visuality/Screen Writing in French 20th-century Poetry and Cinema; 20thC French Thought; French Dialects; Le Français des Affaires; Le Français des Sciences sociales; Legal French; Modern Occitan Culture; Medieval and Renaissance Occitan Literature; TEFL. Content courses will normally be assessed by an essay or similar piece of work written at the end of term. In the case of French Dialects, Le Français des Affaires, Le Français des Sciences Sociales and Legal French, the course will not be assessed by the usual essay but by a mixture of appropriate language exercises (linguistic commentary, translation, video comprehension, résumé and synthesis) over the course of each term, both from and into French, some exercises being done under examination conditions.

*Course Co-ordinator:* Mr William Dickson

## 2HFW FRENCH LANGUAGE 3

*Credits:* 30

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Tuesday and Wednesday at 12.00 noon and a further language class (choice of times)

*Requirements of entry:* This class would normally be followed by non-native Socrates students doing French as part of the degree for the home universities. Such students should consult the departmental Socrates co-ordinator, Mr Dickson.

*Assessment:* One three-hour written language paper of translations into (33.3%) and out of French (33.3%), plus an oral examination (33.3%). A minimum D grade to have been obtained in the written paper.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The oral and written assignments are designed to encourage autonomous learning, good time-management and analytical and communicative skills, which are highly valued in all spheres of employment.

*Course Co-ordinator:* Mr William Dickson

## 114G FRENCH 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Seminars are daily at 10.00 am and 12.00 and at other times to be arranged. All tutorials are at times to be arranged.

*Requirements of entry:* Normally satisfactory performance in French 2 and a prolonged period of residence in France. Those students who have spent a year in another country such as Germany spend the third term of Junior Honours at a course in France.

*Assessment:* Joint Honours students take 4 x 15 credit courses over two years or equivalent involving 7.5 credit courses + 60 credits language over two years. Language: two written papers by examination; two oral examinations in Senior Honours. (Each language paper/oral is rated at 15 credits). Content courses: see details of assessment of content courses under honours course prescription. 75% of the content element will be examined by continuous assessment in Junior Honours and the first term of Senior Honours.

*Degree Examination taken in:* April/May

*Aims:* Wherever possible, to give the student as much choice for exploring aspects of French language, literature and culture as is consistent with staff availability; To consolidate and significantly develop the student's existing knowledge of French language, literature and culture; building on a period of extended residence abroad; to consolidate both written and oral language acquisition; to develop transferable analytical and presentational skills.

*Honours Course Prescription:* Throughout the two years of study students have regular written language and oral classes. Content courses are chosen from the following: Form, Society and Violence in Old French Narrative; From Epic to Romance; Tricks and Tricksters in Medieval Narrative; Late Medieval Lyric Poetry; Ronsard and Rabelais: Renaissance Humour; Emblems; The Triumph of Theatre 1630-1680; Corneille Dramatist; The Tragedy of Racine; Molière; Illusion and Truth: from Montaigne to Voltaire; The Court of Versailles; Sexuality, Textuality and Society: The Eighteenth-century French novel; History in 19th-century Prose Fiction; Thinkers and Dreamers (Poetry course); The City in 19th-century Literature and Art; Nerval: Sylvie and Textuality; Sharpened Senses, Macabre Visions (19th century); Québec Politics and Culture; Bande Dessinée; LEcole de Brive: social change and identity in the modern novel; French Cinema; The Films of Georges Méliès; Recent French Social Thought; Sexualities I (Dissidence); Sexualities II (Sado-masochism); Remembering in 20th-century Fiction; Stagecraft and Witchcraft; Sharpened Senses, Macabre Visions (20th century); Bernard Noël: Pages of Bodies; The 20th-century Novel; Womens Writing; Parallel Visions: Poetic Visuality/Screen Writing in French 20th-century Poetry and Cinema; 20thC French Thought; French Dialects; Le Français des Affaires; Le Français des Sciences sociales; Legal French; Modern Occitan Culture; Medieval and Renaissance Occitan Literature; TEFL; Contemporary France. Content courses will normally be assessed by an essay or sim-

ilar piece of work written at the end of term. Should the content course be studied in the second term of Senior Honours, then it will be assessed by an essay or similar piece of work in Finals. In the case of French Dialects, Le Français des Affaires and Le Français des Sciences Sociales the course will not be assessed by the usual essay but by a mixture of appropriate language exercises (linguistic commentary, résumé and synthesis) over the course of each term, both from and into French. Assessment of the Legal French course will be by résumé, translation and synthesis over the course of the year, some exercises being done under examination conditions.

*Course Co-ordinator:* Mr William Dickson

### 114J FRENCH 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Seminars are daily at 10.00 am and 12.00 and at other times to be arranged. All tutorials are at times to be arranged. Stylistics (Junior Honours) on Tuesday at 2.00 or 3.00, and Video and related language work (Senior Honours) on Wednesdays at 2.00.

*Requirements of entry:* Normally satisfactory performance in French 2 and a prolonged period of residence in France.

*Assessment:* Single Honours students take 8 x 15 credit courses (or equivalent) + 30 credit Dissertation + 90 credits language over the two years. Language: two written language papers; two oral examinations in Senior Honours; a paper on Stylistics and a paper on video-based language analysis. An 8000 word dissertation is completed by the beginning of Senior Honours. Content courses: see details of assessment of content courses under honours course prescription. 75% of the content element will be examined by continuous assessment in Junior Honours and the first term of Senior Honours.

*Degree Examination taken in:* April/May

*Aims:* Wherever possible, to give the student as much choice for exploring aspects of French language, literature and culture as is consistent with staff availability; to consolidate and significantly develop the student's existing knowledge of French language, literature and culture; building on a period of extended residence abroad; to consolidate both written and oral language acquisition; to develop transferable analytical and presentational skills.

*Honours Course Prescription:* Throughout the two years of study students have regular written language and oral classes. Single Honours also follow courses in Stylistics and Video and related language work. Form, Society and Violence in Old French Narrative; From Epic to Romance; Tricks and Tricksters in Medieval Narrative; Late Medieval Lyric Poetry; Ronsard and Rabelais: Renaissance Humour; Emblems; The Triumph of Theatre 1630-1680; Corneille Dramatist; The Tragedy of Racine; Molière; Illusion and Truth: from Montaigne to Voltaire; The Court of Versailles; Sexuality, Textuality and Society: the eighteenth-century French novel; History in 19th-century Prose Fiction; Thinkers and Dreamers (Poetry course); The City

in 19th-century Literature and Art; Nerval: Sylvie and Textuality; Sharpened Senses, Macabre Visions (19th century); Québec Politics and Culture; Bande Dessinée; LEcole de Brive: social change and identity in the modern novel; French Cinema; The Films of Georges Méliès; Recent French Social Thought; Sexualities I (Dissidence); Sexualities II (Sado-masochism); Remembering in 20th-century Fiction; Stagecraft and Witchcraft; Sharpened Senses, Macabre Visions (20th century); Bernard Noël: Pages of Bodies; The 20th-century Novel; Womens Writing; Parallel Visions: Poetic Visuality/Screen Writing in French 20th-century Poetry and Cinema; 20thC French Thought; French Dialects; Le Français des Affaires; Le Français des Sciences sociales; Legal French; Modern Occitan Culture; Medieval and Renaissance Occitan Literature; TEFL; Contemporary France. Content courses will normally be assessed by an essay or similar piece of work written at the end of term. Should the content course be studied in the second term of Senior Honours, then it will be assessed by an essay or similar piece of work in Finals. For Single Honours students, assessment may also take the form of an end-of-term take-away paper (three days) or a two-hour open-book examination at the beginning of the following term (arranged informally within the department). In the case of French Dialects, Le Français des Affaires, Le Français des Sciences Sociales the course will not be assessed by the usual essay but by a mixture of appropriate language exercises (linguistic commentary, résumé and synthesis) over the course of each term, both from and into French. Assessment of the Legal French course will be by résumé, translation and synthesis over the course of the year, some exercises being done under examination conditions.

*Course Co-ordinator:* Mr William Dickson

### GERMAN

#### KXSU BEGINNERS GERMAN LANGUAGE AND LITERATURE 1

*This course is likely to be modified, with effect from Session 2008-09, to form part of a new set of two 20-credit courses intended for those who have little or no prior knowledge of German. Full details will be provided on the School's web pages as soon as possible.*

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* 9am on Monday, Tuesday, Wednesday, Thursday and Friday (fortnightly) plus one oral class at times to be advised.

*Requirements of entry:* Although the class is primarily intended for complete beginners, it is open to all students who have insufficient qualifications to enter German Language and Literature 1A (i.e. those without a recent SCE Higher Pass in German at Grade A, B or C, or equivalent).

*Excluded Courses:* German Language 1A, German Language and Literature 1A, German Literature 1A (Synergy), German Language 1B

*Assessment:* Two 2-hour papers and an oral test (66.6%); continuous assessment (33.3%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Language Component - (1) give students a working knowledge of German, covering all the basic structures of the language; (2) introduce and develop the 4 language skills (reading, writing, speaking and listening); (3) introduce the use of language reference materials; (4) help and encourage students to develop study skills, especially for self-study, including the use of IT and multi-media as well as traditional library materials. History, Culture and Literature Component - (1) develop study skills and critical thinking; (2) introduce students to the history, culture and literature of 20th/21st century Germany; (3) provide reading tutorials where students develop an understanding of complex authentic German texts; (4) introduce students to the close reading and appreciation of selected German literary texts.

*Course Co-ordinator:* Prof Mark Ward

## **2HGU GERMAN LANGUAGE 1A**

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Tuesday and Thursday at 9am, plus one further hour to be arranged.

*Requirements of entry:* The class is open only to students with an SCE Higher Pass in German at Grade A, B or C, or equivalent.

*Assessment:* The examination will consist of a 2-hour paper and an oral test (66.6%). Continuous assessment (33.3%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Teaching Aims: The teaching staff for German Level 1A Language Component will endeavour to: (1) provide an environment where existing knowledge of vocabulary, grammar and language structure can be built upon while providing an incentive to increase such knowledge; (2) provide opportunities for students to become aware of the formal structures of the language which can enable a considered use of the language; (3) provide an environment where the language may be spoken confidently; (4) provide encouragement and opportunities to read difficult texts and to write the language formally and informally; (5) provide a forum where students may ask specific questions about the language and its usage; (6) encourage students to think critically help and encourage students to develop self-study skills, including the use of IT and Multi-Media as well as traditional library materials; (7) encourage students to take responsibility for their weaknesses in study-skills and provide methods and materials to remedy any such weakness; (8) provide a forum where peer and self-assessment are used regularly; (9) provide a forum for individual and group work; (10) provide a forum for student presentations.

*Course Co-ordinator:* Dr Barbara Burns

## **2NEU GERMAN LANGUAGE 1B**

*This course is likely to be modified, with effect from Ses-*

*sion 2008-09, to form part of a new set of two 20-credit courses intended for those who have little or no prior knowledge of German. Full details will be provided on the School's web pages as soon as possible.*

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Monday, Tuesday OR Wednesday and Thursday at 9.00 am in semester 1; Tuesday OR Wednesday and Thursday at 9.00 am in semester 2; plus one oral class at times to be advised.

*Requirements of entry:* Although the class is primarily intended for complete beginners it is open to all students who have insufficient qualifications to enter German 1A (i.e. those without a recent SCE Higher Pass in German at Grade A, B or C, or equivalent).

*Excluded Courses:* German Language 1A

*Assessment:* One 2-hour paper and an oral test (66.6%); continuous assessment (33.3%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The teaching staff for German Level 1B Language Component will endeavour to: (1) give students a working knowledge of German, covering all the basic structures of the language; (2) introduce and develop the four language skills (reading, writing, speaking and listening); (3) introduce the use of language reference materials; (4) help and encourage students to develop study skills, especially for self-study, including the use of IT and Multi-Media as well as traditional library materials.

*Course Co-ordinator:* Prof Mark Ward

## **115B GERMAN LANGUAGE AND LITERATURE 1A**

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* The class meets at 9.00 am from Tuesday to Friday, plus one further hour to be arranged.

*Requirements of entry:* The class is open only to students with an SCE Higher Pass in German at Grade A, B, or C, or equivalent.

*Assessment:* Two 2-hour papers and oral test (66.6%); continuous assessment (33.3%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Language Component: The teaching staff for German Level 1A Language Component will endeavour to: (1) provide an environment where existing knowledge of vocabulary, grammar and language structure can be built upon while providing an incentive to increase such knowledge; (2) provide opportunities for students to become aware of the formal structures of the language which can enable a considered use of the language; (3) provide an environment where the language may be spoken confidently; (4) provide encouragement and opportunities to read difficult texts and to write the language formally and informally; (5) provide a forum where students may ask specific questions

about the language and its usage; (6) encourage students to think critically; (7) help and encourage students to develop self-study skills, including the use of IT and Multi-Media as well as traditional library materials; (8) encourage students to take responsibility for their weaknesses in study-skills and provide methods and materials to remedy any such weakness; (9) provide a forum where peer and self-assessment are used regularly; (10) provide a forum for individual and group work; (11) provide a forum for student presentations Literature, History and Culture. The teaching staff for German Level 1A Literature, History and Culture will endeavour to: (1) provide lectures on the literature, history and culture of the twentieth century; (2) provide a forum where students may develop listening and note-taking skills; (3) provide a forum and incentives for the development of critical thinking; (4) provide the opportunity to develop deep learning skills in a setting where students are encouraged to make active use of information gained; (5) provide a forum where students may ask specific questions related to the lectures; (6) provide a forum for student presentations alone or in groups; (7) encourage students to develop the skills of critical thinking and to express themselves in spoken and written form both in formal and informal settings; (8) encourage students to develop skills related to the considered, close-reading of a German text; (9) encourage students to take responsibility for their own learning.

*Course Co-ordinator:* Dr Barbara Burns

### **OXBU GERMAN LITERATURE 1A (LITERATURE ONLY/SYNERGY)**

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Wednesday and Friday at 9.00am

*Requirements of entry:* The class is open to students with a Grade C or above in German Language 1B, or SCE Higher at Grade C or above, or equivalent qualification.

*Assessment:* One 2-hour paper and continuous assessment (33.3%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The teaching staff for German Level 1A Literature will endeavour to: (1) provide lectures on the literature, history and culture of the twentieth century; (2) provide a forum where students may develop listening and note-taking skills; (3) provide a forum and incentives for the development of critical thinking; (4) provide the opportunity to develop deep learning skills in a setting where students are encouraged to make active use of information gained; (5) provide a forum where students may ask specific questions related to the lectures; (6) provide a forum for student presentations alone or in groups; (7) encourage students to develop the skills of critical thinking and to express themselves in spoken and written form both in formal and informal settings; (8) encourage students to develop skills related to the considered, close-reading of a German text; (9) encourage students to take responsibility for their own learning.

*Course Co-ordinator:* Dr Barbara Burns

### **7FMV GERMAN LANGUAGE & LITERATURE 2**

*Credits:* 40

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Tuesday to Friday at 11.00 am plus one further hour to be arranged.

*Requirements of entry:* The class is open to students with a Grade D or above in German Language and Literature 1A.

*Assessment:* Two 2-hour papers and an oral test (66.6%); continuous assessment (33.3%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Language Component: The teaching staff for German Level 2 Language will endeavour to: (1) continue the work of the Level 1A and Level 1B classes; (2) systematically consolidate and advance formal knowledge of grammar and its linguistic application in translation, as well as developing oral skills; (3) provide an environment where existing knowledge of vocabulary, grammar and language structure can be built upon while providing an incentive to increase such knowledge; (4) provide opportunities for students to become aware of the formal structures of the language which can enable a considered use of the language; (5) provide an environment where the language may be spoken confidently; (6) provide an environment and opportunities to read a variety of texts and to write the language in formal settings; (7) provide opportunities for students to ask specific questions about the language and its usage; (8) encourage students to think critically; (9) help and encourage students to develop self-study skills, including the use of IT and Multi-Media as well as traditional library materials; (10) encourage students to take responsibility for their weaknesses in study-skills and provide methods and materials to remedy any such weakness; (11) provide opportunities for peer and self-assessment; (12) provide opportunities for individual and group work; (13) provide opportunities for student presentations. The teaching staff will: (1) provide lectures on the literature, history and culture of Germany in the late eighteenth and in the nineteenth centuries which seek to provide an overview of developments in thought and aesthetics; (2) provide opportunities for students to enhance listening and note-taking skills; (3) provide opportunities and incentives for the continued development of critical thinking; (4) provide opportunities to develop deep learning skills in a setting where students are encouraged to make active use of information gained; (5) provide opportunities for students to refine their understanding of lectures; (6) provide opportunities for student presentations alone or in groups; (7) encourage students to develop the skills of critical thinking and to express themselves in spoken and written form both in formal and informal settings.

*Course Co-ordinator:* Dr Sheila Dickson



**7ERV GERMAN LANGUAGE 2***Credits:* 20*Level:* 2*When Taught:* Full Session (September - March)*Timetable:* Wednesday, Thursday - 11.00 am; plus one further hour to be arranged.*Requirements of entry:* German Language 1A at grade D or grade B in German Language 1B.*Assessment:* One 2-hour paper and an oral test (66.6%); continuous assessment (33.3%).*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September

*Aims:* The teaching staff for German Level 2 Language will endeavour to: (1) continue the work of the Level 1A and Level 1B classes; (2) consolidate and advance formal knowledge of grammar and its linguistic application in translation, as well as developing oral skills; (3) provide an environment where existing knowledge of vocabulary, grammar and language structure can be built upon while providing an incentive to increase such knowledge; (4) provide opportunities for students to become aware of the formal structures of the language which can enable a considered use of the language; (5) provide an environment where the language may be spoken confidently; (6) provide an environment and opportunities to read a variety of texts and to write the language in formal settings; (7) provide opportunities for students to ask specific questions about the language and its usage; (8) encourage students to think critically; (9) help and encourage students to develop self-study skills, including the use of IT and Multi-Media as well as traditional library materials; (10) encourage students to take responsibility for their weaknesses in study-skills and provide methods and materials to remedy any such weakness; (11) provide opportunities for peer and self-assessment; (12) provide opportunities for individual and group work; (13) provide opportunities for student presentations.

*Course Co-ordinator:* Dr Sheila Dickson**115F GERMAN 3H (JOINT)***Credits:* 60*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* Monday, Tuesday, Thursday, Friday - 3.00 pm. Core lectures (Thursday) and core classes will always meet at 3.00 pm. Further hours to be arranged.*Requirements of entry:* The prerequisite for admission to German Honours (both Single and Joint) is a good pass in German Level 2 at Band C or above. Students with a Band D pass may be admitted after interview with the Head of Section.*Assessment:* Coursework (33.3%), Final examination (66.6%). 5 written papers (2 language, 1 core literature (Strand A), 2 options (Strand B) - or 1 option plus dissertation) and an oral examination, making 6 papers in all.*Degree Examination taken in:* April/May*Aims:* The teaching staff for Honours will endeavour to: (1) foster a thorough, accurate knowledge and considered application of the German language; (2) impart an in-depth knowledge of aspects of German language,

literature and culture; (3) encourage students to work effectively and grow in their ability to take responsibility for their own learning; (4) enable students to acquire the necessary generic skills which will equip them as life-long learners outwith the University and which are both prized by employers and of benefit in a changing global society; (5) realise the potential for students to become future leaders, teachers, and researchers; (6) stimulate and promote an enthusiasm for German and its study in an atmosphere conducive to the pursuit of scholarship.

*Honours Course Prescription:* Joint Honours students take: Written German; Spoken German; the German Core Texts 1 and 2 (Strand-A); and 2 of the following Strand-B options (one in 3H, one in 4H): Liaison Interpreting; Teaching English as a Foreign Language; Modern German Novel; Modern German Thought I: Habermas; Modern German Thought II: Freud & Jung; Faust II; German Novelle in the 19th Century; German Literature of the Late 19th Century; Wilhelm Meister; and possible further options from the Comparative Literature programme, where appropriate.*Course Co-ordinator:* Prof Paul Bishop**115H GERMAN 3H (SINGLE)***Credits:* 120*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* Monday, Tuesday, Thursday, Friday - 3.00 pm. Core lectures (Thursday) and core classes will always meet at 3.00 pm. Further hours to be arranged.*Requirements of entry:* The prerequisite for admission to German Honours (both Single and Joint) is a good pass in German Level 2 at Band C or above. Students with a Band D pass may be admitted after interview with the Head of Section.*Assessment:* Coursework (33.3%), Final examination (66.6%). 11 written papers (2 core language, 1 core literature, 1 language project, 6 options, 1 dissertation) plus 2 oral examinations (one Internal and one with the External Examiners).*Degree Examination taken in:* April/May*Aims:* The teaching staff for Honours will endeavour to: (1) foster a thorough, accurate knowledge and considered application of the German language; (2) impart an in-depth knowledge of aspects of German language, literature and culture; (3) encourage students to work effectively and grow in their ability to take responsibility for their own learning; (4) enable students to acquire the necessary generic skills which will equip them as life-long learners outwith the University and which are both prized by employers and of benefit in a changing global society; (5) realise the potential for students to become future leaders, teachers, and researchers; (6) stimulate and promote an enthusiasm for German and its study in an atmosphere conducive to the pursuit of scholarship.*Honours Course Prescription:* Single Honours students take: Written German; Spoken German; the German Junior-Honours Language Project; the Oral-Skills Course; the German Dissertation; the German Core Texts 1 and 2 (Strand-A); and 6 of the following Strand-B options (one in 3H, one in 4H): Liaison Interpreting; Teaching English as a Foreign Language; Modern

German Novel; Modern German Thought I: Habermas; Modern German Thought II: Freud & Jung; Faust II; German Novelle in the 19th Century; German Literature of the Late 19th Century; Wilhelm Meister; and possible further options from the Comparative Literature programme, where appropriate.

*Course Co-ordinator:* Prof Paul Bishop

## 2HGW GERMAN LANGUAGE 3A

*Credits:* 30

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Language: 3 hours per week at times to be arranged, delivered at Strathclyde University.

*Requirements of entry:* German Language 2 at grade D.

*Assessment:* One 3-hour paper and an oral test (66.67%). Continuous assessment (33.33%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The teaching staff will endeavour to: (1) foster a thorough, accurate knowledge and considered application of the German Language; (2) impart an in-depth knowledge of the German language and aspects of literature and culture; (3) encourage students to work effectively and grow in their ability to take responsibility for their own learning; (4) enable students to acquire the necessary generic skills which will equip them as life long learners outwith the University and which are both prized by employers and of benefit in a changing global society; (5) realise the potential for students to become future leaders, teachers and researchers; (6) stimulate and promote enthusiasm for German and its study in an atmosphere conducive to the pursuit of scholarship.

*Course Co-ordinator:* Prof Paul Bishop

## 115D GERMAN LANGUAGE AND LITERATURE 3A

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Daily. Language: 3 hours per week, delivered at Strathclyde University. Literature options (the Strand A course plus ONE Strand B course): at times to be arranged.

*Requirements of entry:* German Language and Literature 2 at grade D.

*Assessment:* Two 2 hour papers and an oral (66.67%). Course work: language, essays and course assignments (33.33%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The teaching staff will endeavour to: (1) foster a thorough, accurate knowledge and considered application of the German Language; (2) impart an in-depth knowledge of the German language and aspects of literature and culture; (3) encourage students to work effectively and grow in their ability to take responsibility for their own learning; (4) enable students to acquire the necessary generic skills which will equip them as life-long learners outwith the University and which are both prized by employers and of benefit in a changing global

society; (5) realise the potential for students to become future leaders, teachers, and researchers; (6) stimulate and promote enthusiasm for German and its study in an atmosphere conducive to the pursuit of scholarship.

*Course Co-ordinator:* Prof Paul Bishop

## 115G GERMAN 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday, Tuesday, Thursday, Friday - 3.00 pm. Core lectures (Thursday) and core classes will always be at 3.00 pm. Further hours to be arranged.

*Requirements of entry:* The prerequisite for admission to German Honours (both Single and Joint) is a good pass in German Level 2 at Band C or above. Students with a Band D pass may be admitted after interview with the Head of Section.

*Assessment:* Coursework (33.3%), Final examination (66.6%). 5 written papers (2 language, 1 core literature (Strand A), 2 options (Strand B) - or one option plus dissertation) and an oral examination, making 6 papers in all.

*Degree Examination taken in:* April/May

*Aims:* The teaching staff for Honours will endeavour to: (1) foster a thorough, accurate knowledge and considered application of the German language; (2) impart an in-depth knowledge of aspects of German language, literature and culture; (3) encourage students to work effectively and grow in their ability to take responsibility for their own learning; (4) enable students to acquire the necessary generic skills which will equip them as life-long learners outwith the University and which are both prized by employers and of benefit in a changing global society; (5) realise the potential for students to become future leaders, teachers, and researchers; (6) stimulate and promote an enthusiasm for German and its study in an atmosphere conducive to the pursuit of scholarship.

*Honours Course Prescription:* Joint Honours students take: Written German; Spoken German; the German Core Texts 1 and 2 (Strand-A); and 2 of the following Strand-B options (one in 3H, one in 4H): Liaison Interpreting; Teaching English as a Foreign Language; Modern German Novel; Modern German Thought I: Habermas; Modern German Thought II: Freud & Jung; Faust II; German Novelle in the 19th Century; German Literature of the Late 19th Century; Wilhelm Meister; and possible further options from the Comparative Literature programme, where appropriate.

*Course Co-ordinator:* Prof Paul Bishop

## 115J GERMAN 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday, Tuesday, Thursday, Friday - 3.00 pm. Core lectures (Thursday) and core classes will always meet at 3.00 pm. Further hours to be arranged.

*Requirements of entry:* The prerequisite for admission to German Honours (both Single and Joint) is a good pass in German Level 2 at Band C or above. Students

with a Band D pass may be admitted after interview with the Head of Section.

*Assessment:* Coursework (33.3%), Final examination (66.6%). 11 written papers (2 core language, 1 core literature, 1 language project, 6 options, 1 dissertation) and 2 oral examinations (one Internal and one with the External Examiners).

*Degree Examination taken in:* April/May

*Aims:* The teaching staff for Honours will endeavour to: (1) foster a thorough, accurate knowledge and considered application of the German language; (2) impart an in-depth knowledge of aspects of German language, literature and culture; (3) encourage students to work effectively and grow in their ability to take responsibility for their own learning; (4) enable students to acquire the necessary generic skills which will equip them as life-long learners outwith the University and which are both prized by employers and of benefit in a changing global society; (5) realise the potential for students to become future leaders, teachers, and researchers; (6) stimulate and promote an enthusiasm for German and its study in an atmosphere conducive to the pursuit of scholarship.

*Honours Course Prescription:* Single Honours students take: Written German; Spoken German; the German Junior-Honours Language Project; the Oral-Skills Course; the German Dissertation; the German Core Texts 1 and 2 (Strand-A); and 6 of the following Strand-B options (three in 3H, three in 4H): Liaison Interpreting; Teaching English as a Foreign Language; Modern German Novel; Modern German Thought I: Habermas; Modern German Thought II: Freud & Jung; Faust II; German Novelle in the 19th Century; German Literature of the Late 19th Century; Wilhelm Meister; and possible further options from the Comparative Literature programme, where appropriate.

*Course Co-ordinator:* Prof Paul Bishop

## HISPANIC STUDIES

### 226B PORTUGUESE 1

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 1pm.

*Requirements of entry:* This is a beginners course requiring no previous knowledge of Portuguese; knowledge of another foreign language is, however, an advantage.

*Excluded Courses:* Portuguese 1 (Language) (2KCU)

*Assessment:* Two language tests in the course of the year (15% of total); oral/comprehension test in semester 2 (15%). Final examination: Paper 1, language; Paper 2, literature and culture (35% each). Mid year exit: assessment will be based on the first language test.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course is designed to consolidate the student's abilities in written and spoken Portuguese, to introduce him/her to the literature of modern Portugal and Brazil, and to inform him/her of historical and cultural developments in all the Portuguese speaking countries.

*Course Co-ordinator:* Dr Luis Gomes

### 2KCU PORTUGUESE 1 (LANGUAGE)

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Monday, Tuesday, Thursday at 1pm.

*Requirements of entry:* This is a beginners course requiring no previous knowledge of Portuguese; knowledge of another foreign language is, however, an advantage.

*Excluded Courses:* Portuguese 1 (226B)

*Assessment:* Two language tests in the course of the year (15% of total); oral/comprehension test in semester 2 (15%). Final examination: one language paper (70%). Mid year exit: assessment will be based on the first language test.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course is designed to enable the student both to communicate effectively in written and spoken Portuguese employing a broad range of tenses and structures, as well as to understand Portuguese in a variety of contexts and across a range of accents and vocabulary.

*Course Co-ordinator:* Dr Luis Gomes

### 380B SPANISH 1A

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 3pm. Two language classes per week (Wednesday, Friday); history (Thursday); literature lecture (Monday); literature tutorial (Tuesday).

*Requirements of entry:* Normally SCE Higher or equivalent - this may include residence in a Spanish-speaking country.

*Excluded Courses:* Spanish 1B (381B), Spanish 1B (Language) (2NHU), Spanish 1A (Language) (2JLU)

*Assessment:* Two class language tests in the course of the year (12.5% of total); two extended essays (12.5%). Final examination: Paper 1, language; Paper 2, literature and history (30% each). Oral examination (15%). Mid year exit: assessment will be based on the first language test.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course is designed to consolidate your abilities in written and spoken Spanish, to introduce you to the literature of modern Spain and Spanish-America, and to inform you of recent historical developments in Spain and Latin America.

*Course Co-ordinator:* Dr Nathan Gardiner

### 2JLU SPANISH 1A (LANGUAGE)

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Wednesday and Friday at 3pm.

*Requirements of entry:* Normally SCE Higher or equivalent - this may include residence in a Spanish-speaking country.

*Excluded Courses:* Spanish 1B (Language) (2NHU), Spanish 1B (381B), Spanish 1A (380B)

*Assessment:* Two class language tests in the course of the year (25% of total). Final examination: one language paper (60%). Oral examination (15%). Mid year exit: assessment will be based on the first class language test.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course is designed to consolidate your abilities in written and spoken Spanish. The syllabus is the language work of the Spanish 1A class offered in the Faculty of Arts (380B).

*Course Co-ordinator:* Dr Nathan Gardiner

### 381B SPANISH 1B

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Semester 1: Monday 3pm, Tuesday 1pm, Thursday 3pm, Friday 1pm. Semester 2: Tuesday and Friday 1pm, Monday, Thursday and Friday at 3pm. Literature tutorial on Monday at 1pm in the second half of semester 2.

*Requirements of entry:* Normally some evidence of language learning, i.e. study of a foreign language, residence in a Spanish-speaking country or completion of Access course.

*Excluded Courses:* Spanish 1A (380B), Spanish 1A (Language) (2JLU), Spanish 1B (Language) (2NHU)

*Assessment:* Two language tests in the course of the year (12.5% of total), two extended course essays (12.5%). Final examination: Paper 1 - Language; Paper 2 - Language, Literature and History (30% each). Oral examination (15%). Mid year exit: assessment will be based on the first language test.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To enable students to reach a reasonable level of communicative competence in Spanish, both spoken and written, and an ability to read and understand the language in some depth; to provide an introduction to the literature and history of the Spanish-speaking world, through the study of various texts in Spanish and an examination of areas of contemporary experience in Spain and Latin America; to prepare students to continue Spanish to second level if they wish.

*Course Co-ordinator:* Ms Monica Legazpi-Iglesias

### 2NHU SPANISH 1B (LANGUAGE)

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Monday 3pm, Tuesday 1pm, Friday 1pm.

*Requirements of entry:* Normally some experience of language learning, i.e. study of a foreign language, res-

idence in a Spanish-speaking country or completion of Access course.

*Excluded Courses:* Spanish 1A (380B), Spanish 1A (Language) (2JLU), Spanish 1B (381B)

*Assessment:* Two language tests in the course of the year (25% of total). Final examination: one language paper (60%). Oral examination (15%). Mid year exit: assessment will be based on the first language test.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To enable students to reach a reasonable level of communicative competence in Spanish, both spoken and written, and an ability to read and understand the language in some depth. The syllabus is the language-instruction component of the 1B course offered in the Faculty of Arts, (381B).

*Course Co-ordinator:* Ms Monica Legazpi-Iglesias

### 7FLV SPANISH 2

*Credits:* 40

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 2pm, Friday at 10am and one oral class to be arranged.

*Requirements of entry:* A pass in Spanish 1A (Grade D or above) or Spanish 1B (Grade C or above). Students entering from Spanish 1B may be required to complete a short bridging course. Students with a good pass at GCE A Level may also enter Spanish 2 directly.

*Assessment:* Language course assessment (11% of total); literature assignment (11%); option (16.5%); oral examination (16.5%). Final examination: Paper 1 - Language; Paper 2 - Literature/History/History of Language (45%). Mid year exit: assessment will be based on the first language test.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course will develop students' skills in written and spoken Spanish and extend their engagement with literature in the language. There will be a short course on the Society and Institutions of Catalonia in Semester 2. In addition, students may choose between a year-long course in the History of the Spanish language and a group-based History project.

*Course Co-ordinator:* Dr Brigida Pastor

### 7EPV SPANISH LANGUAGE 2

*Credits:* 20

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Tuesday and Friday at 2pm and oral class to be arranged.

*Requirements of entry:* A pass in Spanish 1A or Spanish 1A Language (Grade D or above) or Spanish 1B or Spanish 1B Language (Grade C or above). Students entering from Spanish 1B will be required to complete a short bridging course. Students with a good pass at GCE A Level may also enter Spanish 2 Language directly.

*Excluded Courses:* Spanish 2 (380C)

*Assessment:* Language course assessment (22% of total); oral examination (33%). Final examination: one language paper (45%). Mid year exit: assessment will be based on the first language test.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course will develop students' skills in written and spoken Spanish, extending the range of linguistic activities.

*Course Co-ordinator:* Dr Brigida Pastor

### 8VTW HISPANIC STUDIES 3

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Friday 9am - Spanish language class plus an oral class to be arranged. Students will select some additional courses from those available in the department.

*Requirements of entry:* Spanish 2 at grade D or above.

*Assessment:* Dependent on options chosen oral test and either examination or course assessment or mix of both.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To develop the students' language skills, written and spoken, in Spanish or Portuguese or Catalan. To extend the range of skills and knowledge of students through involvement in Honours level content courses.

*Course Co-ordinator:* Dr John McCulloch

### 2JLW HISPANIC STUDIES 3 (LANGUAGE)

*Credits:* 30

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Two hours per week.

*Requirements of entry:* Spanish 2 or Spanish 2 (Language) at Grade D or above.

*Assessment:* Dependent on options chosen, written and oral examinations.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To develop the students' language skills, written and spoken, in Spanish.

*Course Co-ordinator:* Dr John McCulloch

### KHUH HISPANIC STUDIES 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 9am, 11am and 2pm and other times to be arranged.

*Requirements of entry:* Pass at Spanish Level 2 at C or above and residence during the preceding year in a Spanish or Portuguese speaking country.

*Co-requisites:* none

*Excluded Courses:* none

*Degree Examination taken in:* April/May

*Aims:* To develop within each student a high level of communicative and expressive skill in the Spanish and Portuguese language (both written and oral), as well as high levels of competence in understanding both written and aural. To offer a range of options and courses that will a) extend the student's linguistic range and ability; b) provide an introduction to and understanding of a range of cultural expressions within the Spanish-speaking and Lusophone world, as well as some knowledge of its culture and history; c) to provide students with the opportunity to enhance and develop their self-learning and investigative skills through research-based activity; d) encourage and develop a broader critical understanding of those expressions both in particular and in a more general sense.

*Honours Course Prescription:* Students take:- Obligatory - Spanish language core course (30 credits), Portuguese core course (30 credits), Dissertation (30 credits); Optional Courses (at least one of which must be Portuguese-based) - 5 in all, of which 3 in Junior Honours year and 2 in Senior Honours year. Options may be chosen from two distinct groups - Language-based and Literary/Cultural-Historical. Students must take at least one option from each of the two groups over the two year course. Students taking this course may start Portuguese in their Junior Honours year but also will be required to take a Portuguese-based option in their Senior Honours year. At least 25% of the course will be Portuguese or Portuguese-related.

*Course Co-ordinator:* Dr John McCulloch

### KCAF SPANISH 3H (JOINT)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 9am, 11am and 2pm and other times to be arranged.

*Requirements of entry:* Pass at Spanish Level 2 at C or above and residence abroad in either a Spanish-speaking country or a country in which the other degree language is spoken (if the Other is a language subject)

*Co-requisites:* none

*Excluded Courses:* none

*Degree Examination taken in:* April/May

*Aims:* To develop within each student a high level of communicative and expressive skill in the Spanish language (both written and oral), as well as high levels of competence in understanding both written and aural. To offer a range of options and courses that will a) extend the student's linguistic range and ability; b) provide an introduction to and understanding of a range of cultural expressions within the Spanish-speaking world, as well as some knowledge of its culture and history; c) to provide students with the opportunity to enhance and develop their self-learning and investigative skills through research-based activity; d) encourage and develop a broader critical understanding of those expressions both in particular and in a more general sense.

*Honours Course Prescription:* Students take:- Obligatory - Spanish language core course: 30 credits (over 2 years), Optional Courses (these will normally be wholly Spanish-based) - 3 in all, normally 2 in Junior Hon-

ours and 1 in Senior Honours: 90 credits. Options may be chosen from two distinct groups - Language-based and Literary/Cultural-Historical. Students must take at least one option from each of the two groups over the two year course. Students of this course may take a Portuguese language course as one of their language-based options. A dissertation may also replace an option.

*Course Co-ordinator:* Dr John McCulloch

### **KBYH SPANISH 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 9am, 11am and 2pm and other times to be arranged.

*Requirements of entry:* Pass at Spanish Level 2 at C or above and residence during the preceeding year in a Spanish speaking country.

*Co-requisites:* none

*Excluded Courses:* none

*Degree Examination taken in:* April/May

*Aims:* To develop within each student a high level of communicative and expressive skill in the Spanish language (both written and oral), as well as high levels of competence in understanding both written and aural. To offer a range of options and courses that will a) extend the student's linguistic range and ability; b) provide an introduction to and understanding of a range of cultural expressions within the Spanish-speaking world, as well as some knowledge of its culture and history; c) to provide students with the opportunity to enhance and develop their self-learning and investigative skills through research-based activity; d) encourage and develop a broader critical understanding of those expressions both in particular and in a more general sense.

*Honours Course Prescription:* Students take:- Obligatory - Spanish language core course: 30 credits (over 2 years) and Dissertation: 30 credits, Optional Courses (these will normally be wholly Spanish-based) - 6 in all, normally 4 in Junior Honours and 2 in Senior Honours: 180 credits. Options may be chosen from two distinct groups - Language-based and Literary/Cultural-Historical. Students must take at least one option from each of the two groups over the two year course. Students of this course may take a Portuguese language course as one of their language-based options.

*Course Co-ordinator:* Dr John McCulloch

### **KHVJ HISPANIC STUDIES 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 9am, 11am and 2pm and other times to be arranged.

*Requirements of entry:* Pass at Spanish Level 2 at C or above and residence during the preceeding year in a Spanish or Portuguese speaking country.

*Co-requisites:* none

*Excluded Courses:* none

*Degree Examination taken in:* April/May

*Aims:* To develop within each student a high level of communicative and expressive skill in the Spanish and Portuguese language (both written and oral), as well as high levels of competence in understanding both written and aural. To offer a range of options and courses that will a) extend the student's linguistic range and ability; b) provide an introduction to and understanding of a range of cultural expressions within the Spanish-speaking and Lusophone world, as well as some knowledge of its culture and history; c) to provide students with the opportunity to enhance and develop their self-learning and investigative skills through research-based activity; d) encourage and develop a broader critical understanding of those expressions both in particular and in a more general sense.

*Honours Course Prescription:* Students take:- Obligatory - Spanish language core course (30 credits), Portuguese core course (30 credits), Dissertation (30 credits); Optional Courses (at least one of which must be Portuguese-based) - 5 in all, of which 3 in Junior Honours year and 2 in Senior Honours year. Options may be chosen from two distinct groups - Language-based and Literary/Cultural-Historical. Students must take at least one option from each of the two groups over the two year course. Students taking this course may start Portuguese in their Junior Honours year but also will be required to take a Portuguese-based option in their Senior Honours year. At least 25% of the course will be Portuguese or Portuguese-related.

*Course Co-ordinator:* Dr Karen Pena

### **KCBG SPANISH 4H (JOINT)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 9am, 11am and 2pm and other times to be arranged.

*Requirements of entry:* Pass at Spanish Level 2 at C or above and residence abroad in either a Spanish-speaking country or a country in which the other degree language is spoken (if the Other is a language subject)

*Co-requisites:* none

*Excluded Courses:* none

*Degree Examination taken in:* April/May

*Aims:* To develop within each student a high level of communicative and expressive skill in the Spanish language (both written and oral), as well as high levels of competence in understanding both written and aural. To offer a range of options and courses that will a) extend the student's linguistic range and ability; b) provide an introduction to and understanding of a range of cultural expressions within the Spanish-speaking world, as well as some knowledge of its culture and history; c) to provide students with the opportunity to enhance and develop their self-learning and investigative skills through research-based activity; d) encourage and develop a broader critical understanding of those expressions both in particular and in a more general sense.

*Honours Course Prescription:* Students take:- Obligatory - Spanish language core course: 30 credits (over 2 years), Optional Courses (these will normally be wholly Spanish-based) - 3 in all, normally 2 in Junior Hon-

ours and 1 in Senior Honours: 90 credits. Options may be chosen from two distinct groups - Language-based and Literary/Cultural-Historical. Students must take at least one option from each of the two groups over the two year course. Students of this course may take a Portuguese language course as one of their language-based options. A dissertation may also replace an option.

*Course Co-ordinator:* Dr Karen Pena

### **KBZJ SPANISH 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 9am, 11am and 2pm and other times to be arranged.

*Requirements of entry:* Pass at Spanish Level 2 at C or above and residence during the preceeding year in a Spanish speaking country.

*Co-requisites:* none

*Excluded Courses:* none

*Degree Examination taken in:* April/May

*Aims:* To develop within each student a high level of communicative and expressive skill in the Spanish language (both written and oral), as well as high levels of competence in understanding both written and aural. To offer a range of options and courses that will a) extend the student's linguistic range and ability; b) provide an introduction to and understanding of a range of cultural expressions within the Spanish-speaking world, as well as some knowledge of its culture and history; c) to provide students with the opportunity to enhance and develop their self-learning and investigative skills through research-based activity; d) encourage and develop a broader critical understanding of those expressions both in particular and in a more general sense.

*Honours Course Prescription:* Students take:- Obligatory - Spanish language core course: 30 credits (over 2 years) and Dissertation: 30 credits, Optional Courses (these will normally be wholly Spanish-based) - 6 in all, normally 4 in Junior Honours and 2 in Senior Honours: 180 credits. Options may be chosen from two distinct groups - Language-based and Literary/Cultural-Historical. Students must take at least one option from each of the two groups over the two year course. Students of this course may take a Portuguese language course as one of their language-based options.

*Course Co-ordinator:* Dr Karen Pena

## **ITALIAN**

### **121B ITALIAN 1A**

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Daily - 2.00 pm; plus possible other times to be arranged

*Requirements of entry:* At least grade D in SCE Higher Italian or equivalent

*Assessment:* Two 2-hour papers and an oral examination (75%); Continuous Assessment (25%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To consolidate and build upon students' existing knowledge of the Italian language, both practical and theoretical; to introduce students to contemporary Italy from a cultural and historical viewpoint: Literature (three novels); Modern Italian History; Culture and Society in Modern Italy; to introduce students to the critical analysis of ideas and arguments and to encourage them to study independently.

*Course Co-ordinator:* Miss Arabella Infantino

### **1B2B ITALIAN 1B**

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 2.00 pm; plus weekly tutorial and oral skills classes to be arranged. (There may be a 10.00 am alternative to the 2.00 pm class on Monday, Tuesday, and Thursday)

*Requirements of entry:* Evidence of linguistic ability (e.g. qualification in another foreign language). Otherwise, consult Department before enrolling.

*Assessment:* Two 2-hour papers and an oral examination (75%); Continuous assessment (25%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a thorough grounding for beginners in the basic grammatical structures of Italian, to develop practical communication skills (written and spoken) and to prepare students for reading and comprehension of literary texts; to introduce contemporary Italy from a historical and cultural viewpoint (Modern Italian History; Culture and Society in Modern Italy); to introduce students to the critical analysis of ideas and arguments and to encourage them to study independently.

*Course Co-ordinator:* Miss Arabella Infantino

### **2HKU ITALIAN LANGUAGE 1A**

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* 3 hours weekly, to be arranged (some at 2.00 pm).

*Requirements of entry:* At least grade D in SCE Higher Italian or equivalent

*Assessment:* One 2-hour paper and oral examination (75%); Continuous Assessment (25%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To consolidate and build upon students' existing knowledge of the Italian language, both practical and theoretical.

*Course Co-ordinator:* Miss Arabella Infantino

### **1C2B ITALIAN LANGUAGE 1B**

*Credits:* 20

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Monday, Tuesday, Thursday at 2.00 pm (or possible alternative at 10.00 am) plus times to be arranged.

*Requirements of entry:* Evidence of linguistic ability (e.g. qualification in another foreign language). Otherwise, consult Department before enrolling.

*Assessment:* One 2-hour paper and oral examination (75%); Continuous assessment (25%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a thorough grounding for beginners in the basic grammatical structures of Italian and to develop practical communication skills (written and spoken).

*Course Co-ordinator:* Miss Arabella Infantino

## 7FJV ITALIAN 2

*Credits:* 40

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Mon, Tues, Wed, Thur, Fri at 10.00.

*Requirements of entry:* Italian 1A grade D or Italian 1B normally at grade B plus extra assignments.

*Assessment:* Two 2-hour papers and an oral examination (total 66.66%); Coursework (33.33%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To build on the grammatical overview and practical language work of Level 1 in order to develop in depth and in breadth students' proficiency in Italian. To introduce students to literary texts representing different periods and genres and to help students develop interpretative and critical skills through detailed study of these texts. To introduce students to a range of Italian films representing different themes in Italian culture and different cinematic approaches. To encourage students to think critically and acquire skills of analysis and argument, and to grow in intellectual maturity and develop the ability to work independently.

*Course Co-ordinator:* Dr Donatella Fischer

## 7EFV ITALIAN LANGUAGE 2

*Credits:* 20

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* 3 hours weekly, times to be arranged (some at 10.00 am).

*Requirements of entry:* Italian Language 1A grade D or Italian Language 1B normally grade B plus extra assignments.

*Assessment:* One 2-hour paper and oral examination (75%); Continuous assessment (25%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To build on the language work of level 1 (grammar and practical skills) to develop in depth and breadth students' proficiency in Italian.

*Course Co-ordinator:* Dr Donatella Fischer

## 121F ITALIAN 3H (JOINT)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 11.00 am and other times to be arranged.

*Requirements of entry:* Grade C in Italian Level 2 coursework and examination; year abroad in Italy

*Co-requisites:* none

*Excluded Courses:* none

*Assessment:* Coursework (33.3%), Final examination (66.6%). Examined at end of Senior Honours. Two papers in written language; Two-part oral exam; 4 written option exams.

*Degree Examination taken in:* April/May

*Aims:* To develop students' proficiency in Italian to the point of fluency (written and spoken); to provide a range of Italian cultural and literary options covering different periods, topics and genres, allowing students to build up specialist knowledge in their chosen areas; to ensure that students think critically and communicate articulately in Italian and in English; that they are equipped with skills of independent research and analysis; that they develop a mature, responsible approach to a range of tasks.

*Honours Course Prescription:* Joint Honours students take: Written Italian; Spoken Italian; and 4 of the following Options (two in 3H, two in 4H): The Resistance to Fascism, 1943-45; Italian Modernism; Modern Italian Poetry; Italian Translation Methodology; Women in Modern Italy; Italian Twentieth-Century Writing: Texts and Contexts; Italian Theatre: Stage And Society; From Page to Screen: Italian Film Adaptations; Dissertation.

*Course Co-ordinator:* Dr Penelope Morris

## 121H ITALIAN 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 11.00 am and other times to be arranged.

*Requirements of entry:* Grade C in Italian Level 2 coursework and examination; year abroad in Italy

*Co-requisites:* none

*Excluded Courses:* none

*Assessment:* For written papers: coursework (33.3%), Final examination (66.6%). Examined at end of Senior Honours. Two papers in written language; Two-part oral exam; Eight written option exams. In addition, Dissertation and two Language Project submissions.

*Degree Examination taken in:* April/May

*Aims:* To develop students' proficiency in Italian to the point of fluency (written and spoken); to provide a range of Italian cultural and literary options covering different periods, topics and genres, allowing students to build up specialist knowledge in their chosen areas; to ensure that students think critically and communicate articulately in Italian and in English; that they are equipped with skills of independent research and analysis; that



they develop a mature, responsible approach to a range of tasks.

*Honours Course Prescription:* Single Honours students take: Written Italian; Spoken Italian; Italian Junior Language Project; Italian Senior Language Project, Italian Dissertation; and 8 of the following courses (four in 3H, four in 4H): The Resistance to Fascism, 1943-45; Italian Modernism; Modern Italian Poetry; Italian Translation Methodology; Women in Modern Italy; Italian Twentieth Century Writing: Texts and Contexts; Italian Theatre: Stage And Society; From Page to Screen: Italian Film Adaptations; Teaching English As A Foreign Language.

*Course Co-ordinator:* Dr Penelope Morris

### 121W ITALIAN LEVEL 3

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Language: 3 hours weekly to be arranged, including some at 11:00, Options 2 hours weekly, depending on Option choice.

*Requirements of entry:* Normally Grade C or better in Italian 2 (full 60 credits). Students with other qualifications in Italian may be considered for admission at the discretion of the Head of Department/Section.

*Assessment:* Examination 66.66%, Coursework 33.33%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To develop in depth and breadth students' existing proficiency in spoken and written Italian; to allow students to gain a detailed understanding of certain texts and topics chosen from the available Italian Honours Options; to equip students to think critically and develop skills of analysis and argument to a high level; to equip them with skills of independent study and research, encouraging them to develop a mature, responsible approach to a range of tasks.

*Course Co-ordinator:* Dr Penelope Morris

### 2HKW ITALIAN LEVEL 3 LANGUAGE

*Credits:* 30

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* 3 hours weekly to be arranged, including some at 11.00

*Requirements of entry:* Normally Grade C or better in Italian 2 (full 60 credits) or Italian Language 2 (30 credits). Students with other qualifications in Italian may be considered for admission at the discretion of the Head of Department/Section.

*Assessment:* Examination 66.66%; Coursework 33.33%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To develop in depth and breadth students existing proficiency in spoken and written Italian; to equip them with skills of independent study, encouraging them to develop a mature, responsible approach to a range of tasks.

*Course Co-ordinator:* Dr Penelope Morris

### 121G ITALIAN 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 11.00 am and other times to be arranged.

*Requirements of entry:* Students should have been admitted to Italian 3H (Joint) for the previous session and should have completed 3H coursework.

*Co-requisites:* none

*Excluded Courses:* none

*Assessment:* Coursework (33.3%), Final examination (66.6%). Examined at end of Senior Honours. Two papers in written language; Two-part oral exam; Four written option exams.

*Degree Examination taken in:* April/May

*Aims:* To develop students' proficiency in Italian to the point of fluency (written and spoken); to provide a range of Italian cultural and literary options covering different periods, topics and genres, allowing students to build up specialist knowledge in their chosen areas; to ensure that students think critically and communicate articulately in Italian and in English; that they are equipped with skills of independent research and analysis; that they develop a mature, responsible approach to a range of tasks.

*Honours Course Prescription:* Joint Honours students take: Written Italian; Spoken Italian; and 4 of the following Options (two in 3H, two in 4H): The Resistance to Fascism, 1943-45; Italian Modernism; Modern Italian Poetry; Italian Translation Methodology; Women in Modern Italy; Italian Twentieth-Century Writing: Texts and Contexts; Italian Theatre: Stage And Society; From Page to Screen: Italian Film Adaptations; Dissertation.

*Course Co-ordinator:* Dr Penelope Morris

### 121J ITALIAN 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 11.00 am and other times to be arranged.

*Requirements of entry:* Students should have been admitted to Italian 3H (Single) for the previous session and should have completed 3H coursework.

*Co-requisites:* none

*Excluded Courses:* none

*Assessment:* For written papers: Coursework (33.3%), Final examination (66.6%). Examined at end of Senior Honours. Two papers in written language; Two-part oral exam; Eight written option exams. In addition, Dissertation and two Language Project submissions.

*Degree Examination taken in:* April/May

*Aims:* To develop students' proficiency in Italian to the point of fluency (written and spoken); to provide a range of Italian cultural and literary options covering different periods, topics and genres, allowing students to build up specialist knowledge in their chosen areas; to ensure that students think critically and communicate articulately in Italian and in English; that they are equipped

with skills of independent research and analysis; that they develop a mature, responsible approach to a range of tasks.

*Honours Course Prescription:* Single Honours students take: Written Italian; Spoken Italian; Italian Junior Language Project; Italian Senior Language Project, Italian Dissertation; and 8 of the following courses (four in 3H, four in 4H): The Resistance to Fascism, 1943-45; Italian Modernism; Modern Italian Poetry; Italian Translation Methodology; Women in Modern Italy; Italian Twentieth Century Writing: Texts and Contexts; Italian Theatre: Stage And Society; From Page to Screen: Italian Film Adaptations; Teaching English As A Foreign Language.

*Course Co-ordinator:* Dr Penelope Morris

## SLAVONIC STUDIES

### 1KCB CZECH 1

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Normally five hours weekly at times to be arranged

*Requirements of entry:* Normally the standard of SQA Higher or its equivalent in either a classical or a modern foreign language.

*Assessment:* There will be: a) 1 two-hour written exam to be held at the end of the year which will test grammar, vocabulary, translation and comprehension skills (50% of the final mark); b) one writing project and/or class tests (up to 10 in number) for formal assessment throughout the year, depending on size of groups (25% of the final mark); c) a short oral exam (c. 15 minutes) at the end of the year (25% of the final mark).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is intended to provide students with (1) a sound basic knowledge of the Czech language and the more important fundamentals of Czech grammar; (2) basic speaking, writing and listening skills in Czech; (3) an active vocabulary of c.1,000 words and a passive vocabulary of c.2,000 words; (4) access to a range of learning resources for the purpose of studying Czech language and culture.

*Course Co-ordinator:* Mrs Ilona Klemm

### 1KFB POLISH 1

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Normally five hours weekly at times to be arranged.

*Requirements of entry:* Normally the standard of SQA Higher or its equivalent in either a classical or a modern foreign language.

*Assessment:* There will be: a) 1 two-hour written exam to be held at the end of the year which will test grammar, vocabulary, translation and comprehension skills (50% of the final mark); b) one writing project and/or class tests (up to 10 in number) for formal assessment

throughout the year, depending on size of groups (25% of the final mark); c) a short oral exam (c. 15 minutes) at the end of the year (25% of the final mark).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is intended to provide students with: (1) a sound basic knowledge of the Polish language and the more important fundamentals of Polish grammar; (2) basic speaking, writing and listening skills in Polish; (3) an active vocabulary of c.1,000 words and a passive vocabulary of c.2,000 words; (4) access to a range of learning resources for the purpose of studying Polish language and culture.

*Course Co-ordinator:* Dr Elwira Grossman

### 1K2B RUSSIAN 1

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Monday, Tuesday and Thursday at 1.00 pm with one further class to be arranged.

*Requirements of entry:* Normally the standard of SQA Higher or its equivalent in either a classical or a modern foreign language.

*Assessment:* There will be: a) 1 two-hour written exam to be held at the end of the year which will test grammar, vocabulary, translation and comprehension skills (50% of the final mark); b) one writing project and class tests (up to 10 in number) for formal assessment throughout the year, depending on size of groups (25% of the final mark); c) a short oral exam (c. 15 minutes) at the end of the year (25% of the final mark).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is intended to provide students with (1) a sound basic knowledge of the Russian language and the more important fundamentals of Russian grammar; (2) basic translation, speaking, writing and listening skills in Russian; (3) an active vocabulary of c.1,000 words and a passive vocabulary of 2-3,000 words; (4) access to a range of learning resources for the purpose of studying Russian language and culture.

*Course Co-ordinator:* Dr Margaret Tejerizo

### OSLU SLAVONIC STUDIES 1B: (POST)STALINISM AND CINEMA

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Mondays, Tuesdays and Thursdays at 2.00 p.m.

*Assessment:* 1 Class Essay (33% of the final mark); End-of-course Examination (2 hours): 66% of the final mark.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is intended to: 1: provide students with a broad knowledge of the major achievements in Czech, Polish and Russian cinema from the 1960s to

the present and to relate them to the cultural and political developments in the post-war period; 2: impart to students an in-depth knowledge of selected directors and their major works; 3: develop students' ability to analyse cinematic works; 4: develop students' ability to work effectively, and to supplement their acquisition of generic and transferable skills which will be of use in later life.

*Course Co-ordinator:* Dr Andrei Rogatchevski

### **OSKU SLAVONIC STUDIES LEVEL 1A: WRITERS AND COMMUNISM**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Mondays, Tuesdays, and Thursdays at 2 p.m.

*Assessment:* 1 Essay (33% of the final mark); End-of-course examination (2 hours): 66% of the final mark.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course is intended to: (1) provide students with a broad knowledge of developments in Czech, Polish and Russian literature, politics and society under Communist Party rule; (2) impart to students an in-depth knowledge of selected key authors and works of Czech, Polish and Russian literature (in English translation) from the period, particularly in relation to the doctrine of Socialist Realism; (3) develop students' ability to work effectively as well as to further the acquisition of generic transferable skills which will be of value in later life.

*Course Co-ordinator:* Dr Jan Culik

### **7FYV CZECH 2**

*Credits:* 40

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Normally four hours weekly at times to be arranged

*Requirements of entry:* Grade D or better in Czech 1

*Assessment:* There will be: a) 1 two-hour written exam to be held at the end of the year which will test grammar, vocabulary, translation and comprehension skills (50%); b) one writing project and/or class tests (up to 10 in number) for formal assessment throughout the year, depending on size of groups (25%); c) a short oral exam (25%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is intended to provide students with (1) practical competence in the Czech language; (2) translation and comprehension skills; (3) free composition skills in Czech; (4) oral communication skills in Czech.

*Course Co-ordinator:* Mrs Ilona Klemm

### **7GBV POLISH 2**

*Credits:* 40

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Normally four hours weekly at times to be arranged.

*Requirements of entry:* Grade D or better in Polish 1

*Assessment:* There will be: a) 1 two-hour written exam to be held at the end of the year which will test grammar, vocabulary, translation and comprehension skills (50%); b) one writing project and/or class tests (up to 10 in number) for formal assessment throughout the year, depending on size of groups (25%); c) a short oral exam (25%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is intended to provide students with (1) practical competence in the Polish language; (2) translation and comprehension skills; (3) free composition skills in Polish; (4) oral communication skills in Polish.

*Course Co-ordinator:* Dr John Bates

### **7GDV RUSSIAN 2**

*Credits:* 40

*Level:* 2

*When Taught:* Full Session (September - March)

*Timetable:* Normally Monday, Tuesday, Thursday and Friday at 3.00 pm.

*Requirements of entry:* Grade D or better in Russian 1 or a good pass at A-level or SQA Higher Russian (or equivalent)

*Assessment:* There will be: a) 1 two-hour written exam to be held at the end of the year which will test grammar, vocabulary, translation and comprehension skills (50%); b) one writing project and/or class tests (up to 10 in number) for formal assessment throughout the year, depending on size of groups (25%); c) a short oral exam (25%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is intended to provide students with: (1) practical competence in the Russian language; (2) translation and comprehension skills; (3) free composition skills in Russian; (4) oral communication skills in Russian.

*Course Co-ordinator:* Dr Andrei Rogatchevski

### **OSMV SLAVONIC STUDIES 2A: LITERATURE IN THE AGE OF IMPERIALISM**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Mondays, Tuesdays and Thursdays at 4.00 p.m.

*Requirements of entry:* Students can enter this course directly.

*Assessment:* 1 Class Essay (c. 2,000 words) - 33.33% of the final mark; End-of-course Examination (2 hours) - 66.67% of the final mark.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course is intended to: 1: provide students with a broad knowledge of developments in Czech, Polish and Russian literature, politics and society in the nineteenth century; 2: impart to students an in-depth knowledge of selected key authors and works of Czech, Polish and Russian literature (in English translation) from the period; 3: develop students' ability to analyse literary works; 4: increase students' ability to work effectively, and to supplement their acquisition of generic and transferable skills which will be of value in later life.

*Course Co-ordinator:* Dr Margaret Tejerizo

### **OSHV SLAVONIC STUDIES 2B: CULTURE IN THE AGE OF GLOBALIZATION**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Mondays, Tuesdays, and Thursdays at 4.00 p.m.

*Requirements of entry:* Any student having satisfactorily completed Level 1 courses at the University may be admitted to this course at the discretion of the Convener of the Slavonic Studies Section of the School of Modern Languages and Cultures.

*Co-requisites:* None

*Assessment:* 1 Class Essay (c. 2,000 words) - 33.33% of the final mark; End-of-course Examination (2 hours) - 66.67% of the final mark.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is intended to: provide students with a broad knowledge of developments in Czech, Polish and Russian culture, politics and society after 1989; impart to students an in-depth knowledge of selected Czech, Polish and Russian cultural phenomena (in English translation) from the period; develop students' ability to analyse works of literature, cinema and media; increase students' ability to work effectively, as well as to enhance their acquisition of generic and transferable skills which will be of value in later life.

*Course Co-ordinator:* Dr Margaret Tejerizo

### **111D CZECH 3**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Five hours per week at times to be arranged.

*Requirements of entry:* Grade D or better in Czech 2

*Assessment:* Students should note that a system of mixed-mode assessment operates in Czech 3 and consists of a language project, a two-hour end of course exam, an oral exam and three literature projects.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is intended to provide students with (1) a thorough and accurate knowledge of the Czech language; (2) advanced translation skills; (3) writing skills in Czech; (4) oral communication in Czech; (5) a

sound knowledge of several short works of Czech literature across the three genres (poetry, short fiction and drama).

*Course Co-ordinator:* Mrs Ilona Klemm

### **111F CZECH 3H (JOINT)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Seven hours per week at times to be arranged.

*Requirements of entry:* Grade D or better in Czech 2.

*Assessment:* A combination of course assessment and examinations normally taken at the end of 4H.

*Degree Examination taken in:* April/May

*Aims:* This course aims to: (1) provide students with a thorough knowledge of modern standard Czech; (2) develop translation skills, as well as the skills of aural, oral and written communication in Czech to a very high level; (3) impart to students an in-depth knowledge of Czech literature, history and culture, especially as regards selected works of literature of the nineteenth and twentieth centuries and the main literary trends and movements of those periods; with considerable attention being paid to older periods of Czech history, when significant cultural achievements took place; (4) increase students' ability to work effectively, as well as to further their acquisition of generic and transferable skills which will be of value in later life.

*Honours Course Prescription:* All of: Translation from Czech into English; Translation from English into Czech and Essay in Czech; Early Czech Literature; Modern Czech Literature; Oral in Czech; and options to the value of 30 credits.

*Course Co-ordinator:* Dr Jan Culik

### **2HEW CZECH LANGUAGE 3**

*Credits:* 30

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Normally three hours per week at times to be arranged

*Requirements of entry:* Grade D or better in Czech Language 2

*Assessment:* Students should note that a system of mixed-mode assessment operates in Czech Language 3. The End-of-Course Examination consists of two two-hour written papers (Paper 1 Translation from and into Czech; Paper 2 Essay in Czech); an oral examination and a Dissertation/Language Project. The oral examination is weighted at the equivalent of half a paper and the Dissertation as the equivalent of one paper.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is intended to provide students with (1) a thorough and accurate knowledge of the Czech language; (2) advanced translation skills; (3) writing skills in Czech; (4) oral communication in Czech.

*Course Co-ordinator:* Mrs Ilona Klemm

**123D POLISH 3***Credits:* 60*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* Normally three hours weekly at times to be arranged.*Requirements of entry:* Grade D or better in Polish 2*Assessment:* Students should note that a system of mixed-mode assessment operates in Polish 3 and consists of a language project, a two-hour end of course exam, an oral exam and three literature projects.*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September*Aims:* This course is intended to provide students with (1) a thorough and accurate knowledge of the Polish language; (2) advanced translation skills; writing skills in Polish; (4) oral communication in Polish; (5) a sound knowledge of several short works of Polish literature across the three genres (poetry, short fiction, drama).*Course Co-ordinator:* Dr John Bates*Assessment:* Students should note that a mixed-mode assessment operates in Polish Language 3. The End-of-Course Examination consists of two two-hour written papers; an oral examination. Polish Language 3 is assessed in four ways, each weighted in at 50 marks, as follows: Paper 1 (Writing in Polish); Paper 2 (translation into English); oral examination; Dissertation/Language Project.*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September*Aims:* This course is intended to provide students with (1) a thorough and accurate knowledge of the Polish language; (2) advanced translation skills; (3) writing skills in Polish; (4) oral communication in Polish.*Course Co-ordinator:* Dr John Bates**124D RUSSIAN 3***Credits:* 60*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* Normally three hours per week at times to be arranged.*Requirements of entry:* Grade D or better in Russian 2*Assessment:* Students should note that a system of mixed-mode assessment operates in Russian 3 and consists of a language project, a two-hour end of course exam, an oral exam and three literature projects.*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September*Aims:* This course is intended to (1) provide students with a thorough knowledge of modern standard Russian; (2) develop translation skills, as well as the skills of oral and written communication in Russian to a high level; (3) provide students with a sound knowledge of several short works of Russian literature across the three genres (poetry, drama and shorter fiction); (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.*Course Co-ordinator:* Dr Andrei Rogatchevski**124F RUSSIAN 3H (JOINT)***Credits:* 60*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* Daily at 11.00 am and at other times to be arranged. Lecture, tutorial, language laboratory, video project.*Requirements of entry:* Grade D or better in Russian 2*Assessment:* A combination of course assessment and examinations normally taken at the end of 4H.*Degree Examination taken in:* April/May*Aims:* This course is intended to (1) provide students with a thorough knowledge of modern standard Russian; (2) develop translation skills, as well as the skills of oral and written communication in Russian to a very high level; (3) impart to students an in-depth knowledge of Russian literature and culture, especially as regards**123F POLISH 3H (JOINT)***Credits:* 60*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* Seven hours per week at times to be arranged.*Requirements of entry:* Grade D or better in Polish 2*Assessment:* A combination of course assessment and examinations normally taken at the end of 4H.*Degree Examination taken in:* April/May*Aims:* This course is intended to (1) provide students with a thorough knowledge of modern standard Polish; (2) develop translation skills, as well as the skills of oral and written communication in Polish to a very high level; (3) impart to students an in-depth knowledge of Polish literature and culture, especially as regards selected works of literature of the nineteenth and twentieth centuries and the main literary trends and movements of those periods, with considerable attention being given to the early period of Polish history; (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.*Honours Course Prescription:* All of: Translation from Polish into English; Translation from English into Polish and Essay in Polish; Polish Literature from the Renaissance to the Twentieth Century; Twentieth-Century Polish Literature; Oral in Polish; and options to the value of 30 credits.*Course Co-ordinator:* Dr John Bates**2JFW POLISH LANGUAGE 3***Credits:* 30*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* Normally three hours weekly at times to be arranged.*Requirements of entry:* Grade D or better in Polish 2 or Polish Language 2

selected works of literature of the nineteenth and twentieth centuries and the main literary trends and movements of those periods; (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

*Honours Course Prescription:* All of: Translation from Russian into English; Translation from English into Russian and Essay in Russian; The Russian Novel; Russian Poetry, Drama and Shorter Fiction; Oral Examination; and options to the value of 30 credits.

*Course Co-ordinator:* Dr Andrei Rogatchevski

## 2JJW RUSSIAN LANGUAGE 3

*Credits:* 30

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Normally three hours weekly at times to be arranged

*Requirements of entry:* Grade D or better in Russian 2

*Assessment:* Students should note that a system of mixed-mode assessment operates in Russian Language 3. The End-of-Course examination consists of two written papers and an oral examination. Russian Language 3 is assessed in four ways, each weighted at 50 marks as follows: Paper 1 (Writing in Russian); Paper 2 (Translation into English); Oral Examination; Language Project.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course is intended to (1) provide students with a thorough knowledge of modern standard Russian; (2) develop translation skills, as well as the skills of oral and written communication in Russian to a high level; (3) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

*Course Co-ordinator:* Dr Andrei Rogatchevski

## 425H SLAVONIC AND EAST EUROPEAN STUDIES 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be arranged

*Requirements of entry:* Students enrolling for this degree are normally required to be qualified for admission into Honours in at least one of the following subjects: Czech, Polish or Russian (For further information on the precise requirements students should consult the appropriate Departmental handouts). In addition students are normally required to have two passes at Grade D or better in Level 1 or Level 2 classes in one or more of the following: Philosophy, History, Economic History, Politics, Political Economy, Sociology, Education, Industrial Relations, Management. In exceptional circumstances it may be possible for students who do not meet in full all the above requirements to be admitted to the course with the approval of the Convener of the Slavonic Studies Section of the School of Modern Languages and Cultures.

*Assessment:* In the case of one-year options from Groups IC, II and III that are assessed by degree examination, students normally sit that examination in the same year as the option is taken, ie options completed in Junior Honours are normally examined at the end of the Junior Honours year, and options completed in the Senior Honours year are examined at the end of the Senior Honours year. Where, however, a student is taking two main languages, the following arrangements apply: a) a student may divide the year abroad between the two countries relevant to the languages studied; b) a student may spend the year abroad in one country and spend a summer in the second country, commencing the period of residence abroad after examinations taken in Junior Honours have been completed; c) where neither of the above arrangements is acceptable to the Departments concerned, a student will complete the second period of residence abroad in the third term of the Junior Honours year and will take all degree examination papers at the end of the Senior Honours year. Most options are assessed by means of a single three-hour degree examination.

*Degree Examination taken in:* April/May

*Aims:* This course is intended to: (1) provide students with a thorough knowledge of at least one of the languages of Central and Eastern Europe and, optionally, knowledge of a second such language; (2) impart to students an in-depth knowledge of aspects of the literature, culture, history, politics and economics of the countries associated with their principal language of study; (3) acquaint students with aspects of the literature, culture, history, politics and economics of the countries of Central and Eastern Europe; (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

*Honours Course Prescription:* There are three groups of options as follows: 1. Language; 2. Literature and the Arts; and 3. History, Politics, Economics, Society. Candidates take options, which must include at least two from each group, to the value of 240 credits over the Junior Honours and Senior Honours years and this includes an oral examination. All candidates must take at least one option in Czech, Polish or Russian Language from Group 1. Option choices must be approved by the Convener of the Slavonic Studies section. Students must include a Dissertation for ONE of the options taken in the Junior Honours year. The Dissertation will have the same weight as the option it replaces. The topic for the Dissertation must be approved by the Convener of the Slavonic Studies section and by the Head of the Department (or his or her representative) responsible for the supervision of the Dissertation. The Dissertation will normally be written in English and will be 8,000-10,000 words long, but in appropriate circumstances and with the approval of the Convener of the Slavonic Studies section, the Dissertation may be written in Czech, German, Polish or Russian, in which case it will be 4,000-5,000 words long. The Dissertation must be handed in by 5 pm on the Monday of the second week of Semester 2 of the Senior Honours year.

*Course Co-ordinator:* Dr John Bates

**7DPF SLAVONIC STUDIES 3H  
(COMBINED)***Credits:* 60*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* To be arranged.

*Requirements of entry:* Grade D or better in any three courses at Level 1 and 2. With the approval of the Convener of the Slavonic Studies section, students will be able to substitute up to two courses taken in a cognate subject (e.g. English Literature or Scottish Literature) for Slavonic Studies courses at Level 1 and 2.

*Assessment:* All comparative options are examined by course assessment only. Cultural, language, and political and economic options are usually assessed by degree examination and students normally sit that examination in the same year as the option is taken, i.e. options completed in Junior Honours are normally examined at the end of the Junior Honours year, and options completed in the Senior Honours year are examined at the end of the Senior Honours year.

*Degree Examination taken in:* April/May

*Aims:* This course is intended to: (1) impart to students an advanced knowledge of comparative aspects of developments in literature, culture, history and/or politics in at least two of the countries of Central and Eastern Europe; (2) acquaint students with aspects of the literatures, culture, history, politics and economics of Central and Eastern Europe via English-language sources; (3) optionally, to provide students with language instruction at an appropriate level in one or two of the Slavonic languages; (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

*Honours Course Prescription:* Students will normally take 60 credits worth of options each year. Students may select from the following four groups of options: I: Comparative Options: Czech, Polish and Russian Women's Writing in English Translation, The Mass Media of Central and Eastern Europe (15 credits), Further Issues Concerning the Mass Media (15 credits), Slavonic Drama (15 credits), Holocaust Literature (15 credits). II: Cultural Options: Contemporary Czech Cinema, Polish Literature in English Translation from the Renaissance to the Twentieth Century, Contemporary Polish Cinema, The Russian Novel in English Translation, Censorship in Western Culture, History of the Czechs and Slovaks, The Lost Empire: Byzantium and the Slavs 800-1600 (taught jointly with the Department of Medieval History), Russian Cinema; Domesticating the Dictators: Women's Writing under Franco and Stalin. III: Language Options: Subsidiary Czech Language (Beginners), Subsidiary Czech Language (Intermediate), Subsidiary Polish Language (Beginners), Subsidiary Polish Language (Intermediate), Subsidiary Russian Language (Beginners), Subsidiary Russian Language (Intermediate). IV: Political and Economic Options (taught by or for the Department of Central and East European Studies): An Economic and Social History of Central and Eastern Europe 1918-1989, Cultural Politics and Social Change in Post-Soviet Russia, Civil Society and the State in East Central Europe; Statehood, Nationality, Identity: The Baltic

States since 1918; Post-Soviet Russia: Renegotiating Global and Local Identities. Students are required to take a minimum of 30 credits from Group I; a maximum of 60 credits from Group III and a maximum of 60 credits from Group IV. Options are normally taught on a yearly basis. The Options are usually each rated at 30 credits except for those options in Group II or where indicated. All curricula must be approved by the Section Convener. Students may substitute a Dissertation of 8,000-10,000 words for ONE of the options taken in Junior Honours year. The dissertation will be rated at 15 credits. The Dissertation must be handed in by the end of Week 1 of Semester 2 of the Senior Honours year.

*Course Co-ordinator:* Dr John Bates**111G CZECH 4H (JOINT)***Credits:* 60*Level:* 4*When Taught:* Full Session (September - March)*Timetable:* Seven hours per week at times to be arranged.*Requirements of entry:* Grade D or better in Czech 2.

*Assessment:* Six papers in 4H year plus an oral examination in Czech. Papers 1, 2, 22, 23, 58, 17, 18 and 30 are examined by a single three-hour written examination. Papers 21, 31 and 42 are assessed by course work only. The oral examination (20 minutes) is conducted and assessed by the Czech External Examiner.

*Degree Examination taken in:* April/May

*Aims:* This course aims to: (1) provide students with a thorough knowledge of modern standard Czech; (2) develop translation skills, as well as the skills of aural, oral and written communication in Czech to a very high level; (3) impart to students an in-depth knowledge of Czech literature, history and culture, especially as regards selected works of literature of the nineteenth and twentieth centuries and the main literary trends and movements of those periods; with considerable attention being paid to older periods of Czech history, when significant cultural achievements took place; (4) increase students' ability to work effectively, as well as to further their acquisition of generic and transferable skills which will be of value in later life.

*Honours Course Prescription:* All of Translation from Czech; Translation into Czech and Essay into Czech; Early Czech Literature with Prescribed Texts; Modern Czech Literature with Prescribed Texts; History of the Czechs and Slovaks; Oral Examination; one from: Comparative Slavonic Philology; Subsidiary Polish Language; Subsidiary Russian Language; Medieval Czech Literature; Contemporary Czech Cinema; The Mass Media in Central and Eastern Europe.

*Course Co-ordinator:* Dr Jan Culik**123G POLISH 4H (JOINT)***Credits:* 60*Level:* 4*When Taught:* Full Session (September - March)*Timetable:* Seven hours per week at times to be arranged.*Requirements of entry:* Grade D or better in Polish 2

*Assessment:* Six papers plus oral examination in Polish  
*Degree Examination taken in:* April/May

*Aims:* This course is intended to (1) provide students with a thorough knowledge of modern standard Polish; (2) develop translation skills, as well as the skills of oral and written communication in Polish to a very high level; (3) impart to students an in-depth knowledge of Polish literature and culture, especially as regards selected works of literature of the nineteenth and twentieth centuries and the main literary trends and movements of those periods, with considerable attention being given to the early period of Polish history; (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

*Honours Course Prescription:* All of the below over a two-year cycle: Translation from Polish; Translation into Polish and Essay in Polish; Polish Literature 1795-1918; Polish Literature 1918-1981; Polish History Thought and Culture 966-1989 oral examination and one of Post-War Polish Theatre; Comparative Slavonic Philology; Subsidiary Czech Languages; Subsidiary Russian Language; Post-War Polish Censorship; Contemporary Polish Cinema; Polish Literature 1386-1815; The Mass Media in Central and Eastern Europe.

*Course Co-ordinator:* Dr John Bates

## 124G RUSSIAN 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Daily at 11.00 am and at other times to be arranged. Lecture, tutorial, language laboratory, video project.

*Requirements of entry:* Grade D or better in Russian 2

*Assessment:* Six papers in 4H year plus oral examination in Russian

*Degree Examination taken in:* April/May

*Aims:* This course is intended to (1) provide students with a thorough knowledge of modern standard Russian; (2) develop translation skills, as well as the skills of oral and written communication in Russian to a very high level; (3) impart to students an in-depth knowledge of Russian literature and culture, especially as regards selected works of literature of the nineteenth and twentieth centuries and the main literary trends and movements of those periods; (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

*Honours Course Prescription:* Obligatory courses: Translation from Russian; Translation into Russian and Essay in Russian; Nineteenth-Century Russian Literature; Twentieth-Century Russian Literature; Oral Examination; and optional courses subject to availability, including for example Dostoevskii; Subsidiary Czech Language; Subsidiary Polish Language; Russian Women's Writing; The Mass Media in Central and Eastern Europe.

*Course Co-ordinator:* Dr Andrei Rogatchevski

## 425J SLAVONIC AND EAST EUROPEAN STUDIES 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be arranged

*Requirements of entry:* Students enrolling for this degree are normally required to be qualified for admission into Honours in at least one of the following subjects: Czech, Polish or Russian [For further information on the precise requirements students should consult the appropriate Departmental handouts). In addition students are normally required to have two passes at Grade D or better in Level 1 or Level 2 classes in one or more of the following: Philosophy, History, Economic History, Politics, Political Economy, Sociology, Education, Industrial Relations, Management. In exceptional circumstances it may be possible for students who do not meet in full all the above requirements to be admitted to the course with the approval of the Head of the Department of Slavonic Studies.

*Assessment:* In the case of one-year options from Groups IC, II and III that are assessed by degree examination, students normally sit that examination in the same year as the option is taken, ie options completed in Junior Honours are normally examined at the end of the Junior Honours year, and options completed in the Senior Honours year are examined at the end of the Senior Honours year. Where, however, a student is taking two main languages, the following arrangements apply: a) a student may divide the year abroad between the two countries relevant to the languages studied; b) a student may spend the year abroad in one country and spend a summer in the second country, commencing the period of residence abroad after examinations taken in Junior Honours have been completed; c) where neither of the above arrangements is acceptable to the Departments concerned, a student will complete the second period of residence abroad in the third term of the Junior Honours year and will take all degree examination papers at the end of the Senior Honours year. Most options are assessed by means of a single three-hour degree examination.

*Degree Examination taken in:* April/May

*Aims:* This course is intended to: (1) provide students with a thorough knowledge of at least one of the languages of Central and Eastern Europe and, optionally, knowledge of a second such language; (2) impart to students an in-depth knowledge of aspects of the literature, culture, history, politics and economics of the countries associated with their principal language of study; (3) acquaint students with aspects of the literature, culture, history, politics and economics of the countries of Central and Eastern Europe; (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

*Honours Course Prescription:* There are three groups of subjects, as follows: 1. Language; 2. Literature and the Arts; and 3. History, Politics, Economics, Society. Candidates take ten papers, which must include at least two from each group. Additionally to the ten papers all students take an oral examination; this counts as the



equivalent of a full paper, ie as one-eleventh of the total. All candidates must take at least one paper in Czech, Polish or Russian Language from Group 1. All students taking this degree must have their choice of Options approved by the Head of Department of Slavonic Studies. With the approval of the Head of the Department of Slavonic Studies students may substitute a Dissertation for ONE of the Options taken in Junior Honours year. The Dissertation will have the same weight as the Option it replaces. The topic for the Dissertation must be approved by the Head of the Department of Slavonic Studies and by the Head of the Department (or his or her representative) responsible for the supervision of the Dissertation. The Dissertation will normally be written in English and will be 8,000-10,000 words long, but in appropriate circumstances and with the approval of the Head of the Department of Slavonic Studies the Dissertation may be written in Czech, German, Polish or Russian, in which case it will be 4,000-5,000 words long. Agreement to substitute a Dissertation for one paper and for the topic of the Dissertation should normally be obtained by the end of Term 1 of the Junior Honours year. After that date it will not normally be possible for the decision to write a Dissertation to be reversed. The Dissertation must be handed in by the end of Week 1 of Term 2 of the Senior Honours year.

*Course Co-ordinator:* Dr Andrei Rogatchevski

## 7DPG SLAVONIC STUDIES 4H (COMBINED)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be arranged.

*Requirements of entry:* Grade D or better in any three modules at Level 1 and 2. With the approval of the Head of the Department of Slavonic Studies students will be able to substitute up to two modules taken in a cognate subject (e.g. English Literature or Scottish Literature) for Slavonic Studies modules at Level 1 and 2.

*Assessment:* All comparative options are examined by course assessment only. Cultural, language, and political and economic options are usually assessed by degree examination and students normally sit that examination in the same year as the option is taken, i.e. options completed in Junior Honours are normally examined at the end of the Junior Honours year, and options completed in the Senior Honours year are examined at the end of the Senior Honours year.

*Degree Examination taken in:* April/May

*Aims:* This course is intended to: (1) impart to students an advanced knowledge of comparative aspects of developments in literature, culture, history and/or politics in at least two of the countries of Central and Eastern Europe; (2) acquaint students with aspects of the literatures, culture, history, politics and economics of Central and Eastern Europe via English-language sources; (3) optionally, to provide students with language instruction at an appropriate level in one or two of the Slavonic languages; (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

*Honours Course Prescription:* Students will normally take 60 credits worth of options each year. Students may select from the following four groups of options: I: Comparative Options: Czech, Polish and Russian Women's Writing in English Translation, The Mass Media of Central and Eastern Europe (15 credits), Further Issues Concerning the Mass Media (15 credits), Slavonic Drama (15 credits), Holocaust Literature (15 credits). II: Cultural Options: Contemporary Czech Cinema, Polish Literature in English Translation from the Renaissance to the Twentieth Century, Contemporary Polish Cinema, The Russian Novel in English Translation, Polish Identities: Readings in Polish Cultural and Intellectual History, History of the Czechs and Slovaks, The Lost Empire: Byzantium and the Slavs 800-1600 (taught jointly with the Department of Medieval History), Russian Cinema; Domesticating the Dictators: Women's Writing under Franco and Stalin. III: Language Options: Subsidiary Czech Language (Beginners), Subsidiary Czech Language (Intermediate), Subsidiary Polish Language (Beginners), Subsidiary Polish Language (Intermediate), Subsidiary Russian Language (Beginners), Subsidiary Russian Language (Intermediate). IV: Political and Economic Options (taught by or for the Department of Central and East European Studies): An Economic and Social History of Central and Eastern Europe 1918-1989; Cultural Politics and Change in Post-Soviet Russia; Civil Society and the State in East Central Europe; Statehood, Nationality, Identity: The Baltic States since 1918; Post-Soviet Russia: Renegotiating Global and Local Identities. Students are required to take a minimum of 30 credits from Group I; a maximum of 60 credits from Group III and a maximum of 60 credits from Group IV. Options are normally taught on a yearly basis. The Options are usually each rated at 30 credits except for those options in Group II or where indicated. All curricula must be approved by the Head of Section. Students may substitute a Dissertation of 8,000-10,000 words for ONE of the options taken in Junior Honours year. The dissertation will be rated at 15 credits. The Dissertation must be handed in by the end of Week 1 of Semester 2 of the Senior Honours year.

*Course Co-ordinator:* Dr John Bates

## Scottish Literature

### KFXU SCOT LIT 1A: WRITING THE NATION: SCOTT TO MACDIARMID

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Monday and Wednesday at 10.00 in 11 out of the 12 weeks. Wednesday 14.00-16.00 in weeks 4, 8 and 10 for relevant showing of films, documentaries and guest readings. Seminars: Tuesday 10.00 or Thursday 10.00 or Thursday 12.00 or Friday 11.00 or Friday 12.00 in 8 out of the 12 weeks.

*Requirements of entry:* No entry requirements other than standard admission requirements for the University.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The aims of this course are to provide an introduction to the main themes and writers of the Scottish Literary Tradition of the 19th and early 20th centuries. Teaching will focus on large cultural/political/historical contexts for the writers and texts studied, and there will be specific attention to the development of Scots Language during the period.

*Course Co-ordinator:* Mr Matthew McGuire

### **KFYU SCOT LIT 1B: WRITING THE NATION: SCOT LIT POST 1945**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Mondays and Wednesdays at 10.00 for 11 of the 12 weeks. Wednesdays 14.00-16.00 in weeks 4, 7 and 9 for relevant showings of films, documentaries and guest readings. Seminars: Tuesday 10.00 or Thursday 10.00 or Thursday 12.00 or Friday 11.00 or Friday 12.00 in 8 of the 12 weeks.

*Requirements of entry:* None.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of this course are to provide an introduction to the main themes and writers of the Scottish Literary tradition between 1945 and the present. Teaching will focus on large cultural / political / historical contexts for the writers and texts studied, and there will be specific attention to the development of Scots language during the period.

*Course Co-ordinator:* Mr Matthew McGuire

### **7EBV SCOTTISH LITERATURE 2A: EARLY SCOTTISH LITERATURE & LANGUAGE**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Monday (joint with English Language), Tuesday and Thursday - 12.00 noon; plus 10 literature seminars and 4 language seminars.

*Requirements of entry:* Normally, minimally a D (10 grade points) in both modules of Scottish Literature 1 or in cognate classes such as English Literature or English Language. Alternatively, if DACE course 'An introduction to Scottish Literature' is taken with Scottish Literature 1B, and both are obtained at at least Grade D, access to Level 2 Scottish Literature is allowed.

*Assessment:* One language exercise 20%; four seminar reports 20%; one literature essay 30%; one examination paper in January 30%

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* The Level 2A course overall intends to: - introduce students to key Scottish texts of the medieval period; - provide an introduction to the history and structure of the Scots tongue; - enable students to analyse Older Scots texts, using the appropriate literary and linguistic critical terms; - introduce several key literary concepts that are essential to an understanding of medieval and early modern literature.

*Course Co-ordinator:* Dr Rhona Brown

### **7EAV SCOTTISH LITERATURE 2B: EARLY SCOTTISH LITERATURE & LANGUAGE**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Monday (joint with English Language), Tuesday and Thursday - 12.00 noon; plus 11 literature seminars, and 4 language seminars. The language component will finish at Easter vacating the Monday lecture slot. This slot will then be taken up by the literature component for a special four-week session on 18th-century song, poetry and fiction.

*Requirements of entry:* For students wishing to continue the study of Scottish Literature, entry is normally conditional on a satisfactory performance in Module 1 of this class, but entry from other classes in the Arts faculty is also possible, conditional on satisfactory performance in these classes.

*Assessment:* One language exercise 20%; four seminar reports 20%; one literature essay 30%; one degree examination paper in June 30%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The Level 2B course intends to: - introduce students to key Scottish texts from the early modern period to the nineteenth century; - provide an introduction to the history and structure of the Scots tongue; - enable students to analyse the period's texts, using the appropriate literary and linguistic critical terms; - introduce several key literary concepts that are essential to an understanding of early modern to nineteenth-century Scottish literature.

*Course Co-ordinator:* Dr Rhona Brown

### **KFZW SCOT LIT 3A: IMAGINING SCOTLAND 1814-1945**

*Credits:* 30

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Monday, Wednesday and Friday at 10.00 in 10 of the 12 weeks. Seminars: 5 two-hour seminars throughout the course: Thursdays 14.00-16.00

*Requirements of entry:* Home students wishing to take Level 3 are expected to have completed a Level 2 course in Scottish Literature or a complementary literary discipline. Overseas students whose major subject is English are encouraged to take this course.

*Degree Examination taken in:* December

*Aims:* This course aims to provide senior students of literature, who have little experience of Scottish Literary studies, with a detailed introduction to Scottish writing from Walter Scott's 'Waverley' of 1814 to the literature of the Modern Scottish Renaissance in the interwar period. Major political/historical and cultural themes will be addressed. This course aims to stimulate knowledge and further interest in Scottish Literature for those students wishing to complete a non-honours literary studies degree.

*Course Co-ordinator:* Mr Matthew McGuire

### **KGAW SCOT LIT 3B: IMAGINING SCOTLAND: 1945 - 21ST CENTURY**

*Credits:* 30

*Level:* 3

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Monday, Wednesday and Friday at 10.00 in 10 of the 12 weeks. Seminars: 5 two-hour seminars throughout the course: Thursdays 14.00-16.00

*Requirements of entry:* Home students wishing to take Level 3 are expected to have completed a Level 2 course in Scottish Literature or a complementary literary discipline. Overseas students whose major subject is English are encouraged to take this course.

*Degree Examination taken in:* April/May

*Aims:* This course aims to provide senior students of literature, who have little experience of Scottish Literary studies, with a detailed introduction to Scottish writing between 1945 and the present. Major political / historical and cultural themes will be addressed. The course aims to stimulate knowledge in Scottish Literature for those students wishing to complete a non-honours literary studies degree.

*Course Co-ordinator:* Mr Matthew McGuire

### **125F SCOTTISH LITERATURE 3H (JOINT)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* See individual papers

*Requirements of entry:* All four courses of Scottish Literature Levels 1 and 2, with at least 24 grade points in the Level 2 courses and neither of these falling below D.

*Excluded Courses:* Those rendered impossible for timetable reasons.

*Assessment:* Three papers plus a dissertation over the two honours years. Dissertation counts as one paper

*Degree Examination taken in:* April/May

*Aims:* (1) To offer a comprehensive approach to literary studies through a wide-ranging choice of specialised, text-based courses on aspects of Scottish language and literature. (2) To base this upon a developing understanding of criticism, theory and literary form, applied to a variety of Scottish texts. (3) to provide students with an opportunity to enrich their awareness of literature in its social context through the study of related aspects of Scottish culture. (4) To enable students to develop their expository skills through intensive group discussion and the writing of essays. (5) To provide an opportunity, through the writing of a dissertation, for students to carry out an extended piece of research.

*Honours Course Prescription:* Over the two-year course students must take three papers from the list below, and submit a dissertation of around 10,000 words on an approved topic, making a total of 8 papers. Group A 1: History of Scots (English Language) (30 credits); 2: History of Scottish Book (English Language) (30 credits) Group B 3a: Scottish Literature and Theory: Contexts (15 credits) 3b: Scottish Literature and Theory Kinds (15 credits)

(15 credits); 4: From Beginnings to Early Modern (30 credits); 5: Augustans and Romantics (1603-1843) (30 credits) 6: Victorian and Renaissance (1843-1943) (30 credits); 7: Modern and Contemporary (1943-2004) (30 credits) 8: Special Topic (30 credits) (Topics will vary each session ); 9: Dissertation (30 credits)

*Course Co-ordinator:* Mr Theo Van Heijnsbergen

### **125H SCOTTISH LITERATURE 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* See individual papers

*Requirements of entry:* All four courses of Scottish Literature Levels 1 and 2, with at least 24 grade points in the Level 2 courses and neither of these falling below D. Applicants for Single Honours Scottish Literature should also have completed both courses of English Language Level 1 at grade D or above.

*Assessment:* Seven papers taken in 3H & 4H years plus a dissertation. Dissertation counts as one paper

*Degree Examination taken in:* April/May

*Aims:* (1) To offer a comprehensive approach to literary studies through a wide-ranging choice of specialised, text-based courses on aspects of Scottish language and literature. (2) To base this upon a developing understanding of criticism, theory and literary form, applied to a variety of Scottish texts. (3) To provide students with an opportunity to enrich their awareness of literature in its social context through the study of related aspects of Scottish culture. (4) To enable students to develop their expository skills through intensive group discussion and the writing of essays. (5) To provide an opportunity, through the writing of a dissertation, for students to carry out an extended piece of research.

*Honours Course Prescription:* Over the two-year course students must take seven papers from the list below, and submit a dissertation of around 10,000 words on an approved topic, making a total of 8 papers. They must take either paper 1 or 2 (Language), papers 3a and 3b (Theory), a paper from the medieval period and at least 2 other papers from Group B. If they wish, students may choose no more than 2 papers from Group C, which are offered by a range of other University departments. Group A 1: History of Scots (English Language) (30 credits); 2: History of Scottish Book (English Language) (30 credits) Group B 3a: Scottish Literature and Theory: Contexts (15 credits) 3b: Scottish Literature and Theory: Kinds (15 credits); 4: From Beginnings to Early Modern (30 credits); 5: Augustans and Romantics (1603-1843) (30 credits) 6: Victorian and Renaissance (1843-1943) (30 credits); 7: Modern and Contemporary (1943-2004) (30 credits); 8: Special Topic (30 credits) (Topics will vary each session.); 9: Dissertation (30 credits) Group C Options offered by other departments may include the following subject areas: history, philosophy, English Literature, English Language, Celtic.

*Course Co-ordinator:* Mr Theo Van Heijnsbergen

## 125G SCOTTISH LITERATURE 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* See individual papers

*Requirements of entry:* Successful completion of Junior Honours Scottish Literature

*Excluded Courses:* Those rendered impossible for timetable reasons.

*Assessment:* Four papers in 4H year plus a dissertation. Dissertation counts as one paper

*Degree Examination taken in:* April/May

*Aims:* (1) To offer a comprehensive approach to literary studies through a wide-ranging choice of specialised, text-based courses on aspects of Scottish language and literature. (2) To base this upon a developing understanding of criticism, theory and literary form, applied to a variety of Scottish texts. (3) to provide students with an opportunity to enrich their awareness of literature in its social context through the study of related aspects of Scottish culture. (4) To enable students to develop their expository skills through intensive group discussion and the writing of essays. (5) To provide an opportunity, through the writing of a dissertation, for students to carry out an extended piece of research.

*Honours Course Prescription:* Over the two-year course students must take three papers from the list below, and submit a dissertation of around 10,000 words on an approved topic, making a total of 4 Scottish Literature papers.

Group A 1: History of Scots (English Language) (30 credits) 2: History of Scottish Book (English Language) (30 credits) Group B 3: Theory 3a: Introduction to Theory (15 credits) 3b: Advanced Theory (15 credits) 4: From Beginnings to Early Modern (30 credits) 5: Augustans and Romantics (1603-1843) (30 credits) 6: Victorian and Renaissance (1843-1943) (30 credits) 7: Modern and Contemporary (1943-2004) (30 credits) 8: Special Topic (30 credits) (Topics will vary each session.) 9: Dissertation (30 credits)

*Course Co-ordinator:* Mr Theo Van Heijnsbergen

## 125J SCOTTISH LITERATURE 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* See individual papers

*Requirements of entry:* Successful completion of Junior Honours Scottish Literature

*Assessment:* Seven papers taken in 3H & 4H years plus a dissertation. Dissertation counts as one paper

*Degree Examination taken in:* April/May

*Aims:* (1) To offer a comprehensive approach to literary studies through a wide-ranging choice of specialised, text-based courses on aspects of Scottish language and literature. (2) To base this upon a developing understanding of criticism, theory and literary form, applied to a variety of Scottish texts. (3) To provide students

with an opportunity to enrich their awareness of literature in its social context through the study of related aspects of Scottish culture. (4) To enable students to develop their expository skills through intensive group discussion and the writing of essays. (5) To provide an opportunity, through the writing of a dissertation, for students to carry out an extended piece of research.

*Honours Course Prescription:* Over the two-year course students must take seven papers from the list below, and submit a dissertation of around 10,000 words on an approved topic, making a total of 8 papers. They must take either paper 1 or 2 (Language), papers 3a and 3b (Theory), a paper from the medieval period and at least 2 other papers from Group B. If they wish, students may choose no more than 2 papers from Group C, which are offered by a range of other University departments. Group A 1: History of Scots (English Language) (30 credits) 2: History of Scottish Book (English Language) (30 credits) Group B 3: Theory 3a: Introduction to Theory (15 credits) 3b: Advanced Theory (15 credits) 4: From Beginnings to Early Modern (30 credits) 5: Augustans and Romantics (1603-1843) (30 credits) 6: Victorian and Renaissance (1843-1943) (30 credits) 7: Modern and Contemporary (1943-2004) (30 credits) 8: Special Topic (30 credits) (Topics will vary each session.) 9: Dissertation (30 credits) Group C Options offered by other departments may include the following subject areas: history, philosophy, English Literature, English Language, Celtic.

*Course Co-ordinator:* Mr Theo Van Heijnsbergen

## Slavonic Studies

Please see the entries for the School of Modern Languages & Cultures, page [192](#).

## Sociology, Anthropology & Applied Social Sciences

### LTBU SOCIOLOGY 1B: CRITICAL RESEARCH IN CONTEMPORARY SOCIETIES

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* The course will entail 2 weekly lectures accompanied by weekly seminars. Lectures will be 12.00-12.50pm Mondays and Tuesdays, with weekly one hour seminars in timeslots scheduled throughout the week.

*Requirements of entry:* No university courses are required for entry.

*Co-requisites:* There are no co-requisite courses. However, in order to enter Sociology and Anthropology Level 2A, students are required to have completed both this course, and Sociology and Anthropology Level 1 A. At the discretion of the head of department, students may be admitted to level 2 whose qualifications are deemed to be equivalent to this.

*Excluded Courses:* None, except that this course, along with Sociology and Anthropology Level 1A, replaces the previous Sociology and Anthropology Level 1 40 credit

course [JNNU 40 credits], so students who have completed JNNU are excluded.

*Assessment:* Summative assessment is based on the submission of one 2-3,000 word essay (50%), and a ninety minute written exam in which students answer two questions from a previously unseen paper (50%, each question 25%). The essay question is chosen from a range of topics covered in the course. It therefore requires students to engage in depth with the literature in one particular area, and encourages the development of skills which students will require at level 2 and Honours level, specifically the construction of clear, concise written work, deploying a range of sources and synthesising these effectively. It encourages students to develop clarity in their arguments, and a clear understanding of the relationship between forms of evidence and modes of interpretation. At a preparatory level it requires good time management, the ability to retrieve appropriate information independently, well developed word-processing skills and a mastery of the protocols for scholarly referencing and written presentation.

The exam asks students to answer two questions. One question is related to the course as a whole: this may be a single general question, or may be sub-divided into several short answer questions. The second question must be chosen from specific topics (sections of the course), and must not be on a topic covered by a student in their assessed essay.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The aims of the course are:

To develop understanding of sociology as a major academic discipline within the social sciences, focusing on the theme of Critical Research in Contemporary Societies. To introduce students to some of the major sociological research and theories concerning the nature of contemporary societies, social change and social institutions in Scotland and the United Kingdom, in comparative and global perspectives. To provide students with skills for learning in sociology.

*Course Co-ordinator:* Dr Matthew Waites

## **LTCU SOCIOLOGY AND ANTHROPOLOGY 1A: GLOBAL INEQUALITIES AND DIVERSITY**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* The course will entail 2 weekly lectures accompanied by weekly seminars. Lectures will be 12-12.50 Mondays and Tuesdays with weekly one hour seminars in timeslots scheduled throughout the week.

*Requirements of entry:* There are no specific prerequisite courses.

*Co-requisites:* There are no co-requisite courses. However, in order to enter Sociology and/or Anthropology Honours, students are required to complete both this course, and Sociology Level 1B, plus Sociology and Anthropology Level 2A and Sociology Level 2B. Occasionally, at the discretion of the head of department, students may be admitted to Honours whose qualifications are deemed to be equivalent to these.

*Excluded Courses:* None, except that this course, along with Sociology Level 1B, replaces the previous Sociology and Anthropology Level 1 courses [JNNU 40 credits, 3V4U 20 credits].

*Assessment:* Summative assessment is based on the submission of one 2-3,000 word essay (50%), and a ninety minute written exam in which students answer two questions from a previously unseen paper (50%, each question 25%). The essay question is chosen from a range of topics covered in the course. It therefore requires students to engage in depth with the literature in one particular area, and encourages the development of skills which students will require at level 2 and Honours level, specifically the construction of clear, concise written work, deploying a range of sources and synthesising these effectively. It encourages students to develop clarity in their arguments, and a clear understanding of the relationship between forms of evidence and modes of interpretation. At a preparatory level it requires good time management, the ability to retrieve appropriate information independently, well developed word-processing skills and a mastery of the protocols for scholarly referencing and written presentation.

The exam asks students to answer two questions. One question is related to the course as a whole: this may be a single general question, or may be sub-divided into several short answer questions. The second question must be chosen from specific topics (sections of the course), and must not be on a topic covered by a student in their assessed essay.

*Degree Examination taken in:* December

*Resit Examination taken in:* April/May

*Aims:* The aims of the course are:

To introduce students to sociology and anthropology as major academic disciplines within the social sciences, focusing on the theme of Global Inequalities and Diversity. To introduce students to some of the major sociological and anthropological research and theories concerning the nature of contemporary societies, social change, and the causes and consequences of inequalities in Scotland and the United Kingdom, and in comparative and global perspectives. To provide students with skills for learning in sociology and anthropology.

*Course Co-ordinator:* Dr Matthew Waites

## **LTEV SOCIOLOGY 2B: INTERROGATING MODERNITY**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* The course will entail 2 weekly lectures accompanied by weekly seminars. Lectures will usually be 4-5 Mondays and Tuesdays with seminars on Wednesdays and Fridays.

*Requirements of entry:* In order to enter Sociology and Anthropology Level 2B, students are required to have completed both Sociology and Anthropology Level 1A and Sociology Level 1B, and are expected to have attained a minimum overall 'D' grade in each of these courses. Occasionally, at the discretion of the head of department, students may be admitted to the course whose qualifications are deemed to be equivalent to these.

*Co-requisites:* There are no co-requisite courses, but in order to enter Sociology and/or Anthropology Honours, students are required to complete both this course, and Sociology and Anthropology Level 2A, and normally to have attained an overall 'C' grade in each course. Occasionally, at the discretion of the head of department, students may be admitted to Honours whose qualifications are deemed to be equivalent to these.

*Excluded Courses:* None, except that this course, along with Sociology and Anthropology Level 2A, replaces the previous Sociology and Anthropology Level 2 course [JNLV].

*Assessment:* Formal assessment is based on the submission of one 3,000 word essay, and a ninety minute written exam, in the course of which students answer two questions from a previously unseen paper. The essay question is chosen from a range of topics covered in the course. It therefore requires students to engage in depth with the literature in one particular area, and encourages the development of skills which students will require at Honours level, specifically the construction of clear, concise written work, which deploys a range of sources and synthesises these effectively. It encourages students to develop clarity in their arguments, and a clear understanding of the relationship between forms of evidence and modes of interpretation. At a preparatory level it requires good time management, the ability to retrieve appropriate information independently, well developed word-processing skills and a mastery of the protocols for scholarly referencing and written presentation.

The exam, which asks students to provide two shorter answers from topics other than those covered in their assessed essay, is designed to encourage a wider grasp of the course as a whole. That is to say, that their work will be informed by an understanding of breadth of sociology's critical inquiry into modern society. To this extent, students will be encouraged to develop their ability to think synoptically, and to present arguments that show an understanding of the relationship between the different thematic sections of the course.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course offers an account of some of the major themes in the sociological analysis of modern societies. It places a particular focus on the enduring forms of inequality with which that analysis has been concerned as well as on the way in which sociologists have sought to explain recent social and global developments. In this respect, like its companion course Sociology and Anthropology Level 2a, a central aim of the course as a whole is to enable students to think more analytically and more critically about the world in which they live. At the same time, the course aims to build on the intellectual introduction to the discipline of sociology offered in the department's Level 1 courses. In particular, it aims to make possible a more nuanced and more sophisticated understanding of some of key sociological areas of concern and to introduce students to new and emerging areas of sociological concerns. In this respect, it aims to demonstrate the particular ways in which sociologists seek to grapple with and analyse historical and social change.

The principal aims of the course are to:

provide a challenging and coherent account of the sociological study of modern societies, developing understanding in areas that have already been encountered and broadening understanding to new areas of concern; deepen participants' knowledge of our society and other societies by introducing a wider range of substantive examples and by encouraging a higher level of theoretical consideration;

enhance participants' ability to think sociologically about modern societies, and about enduring forms of inequality, conflict and tension in those societies;

develop participants' understanding of the sociological theories regarding the causes and processes of social change;

provide the intellectual foundation which will equip participants for the more specialised courses offered in Honours Sociology and Anthropology.

*Course Co-ordinator:* Dr Andrew Smith

### **LTDV SOCIOLOGY AND ANTHROPOLOGY 2A: ENCOUNTERING MODERNITY**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* The course will entail 2 weekly lectures accompanied by weekly seminars. Lectures will usually be 4-5 Mondays and Tuesdays with seminars on Wednesdays and Fridays.

*Requirements of entry:* In order to enter Sociology and Anthropology Level 2A, students are required to have completed both Sociology and Anthropology Level 1A and Sociology Level 1B, and are expected to have attained a minimum overall 'D' grade in each of these courses. Occasionally, at the discretion of the head of department, students may be admitted to the course whose qualifications are deemed to be equivalent to these.

*Co-requisites:* There are no co-requisite courses, but in order to enter Sociology and/or Anthropology Honours, students are required to complete both this course, and Sociology Level 2B, and normally to have attained an overall 'C' grade in each course. Occasionally, at the discretion of the head of department, students may be admitted to Honours whose qualifications are deemed to be equivalent to these.

*Excluded Courses:* None, except that this course, along with Sociology Level 2B, replaces the previous Sociology and Anthropology Level 2 course [JNLV].

*Assessment:* Formal assessment is based on the submission of one 3,000 word essay, and a ninety minute written exam, in the course of which students answer two questions from a previously unseen paper. The essay question is chosen from a range of topics covered in the course. It therefore requires students to engage in depth with the literature in one particular area, and encourages the development of skills which students will require at Honours level, specifically the construction of clear, concise written work, deploying a range of sources and synthesising these effectively. It encourages students to develop clarity in their arguments, and a clear understanding of the relationship between forms

of evidence and modes of interpretation. At a preparatory level it requires good time management, the ability to retrieve appropriate information independently, well developed word-processing skills and a mastery of the protocols for scholarly referencing and written presentation.

The exam, which asks students to provide two shorter answers from topics other than those covered in their assessed essay, is designed to encourage a wider grasp of the course as a whole. It is expected that exam answers will be informed by an understanding of the implicit 'conversation' between classical European social theory and the global range of empirical examples which structures the course as a whole. To this extent, students will be encouraged to draw links between the different thematic sections of the course, and to evaluate and re-evaluate the analyses they encounter in the light of new evidence. Part of what is made possible, in this respect, is a growing understanding of the relationship between theory and evidence in these disciplines.

*Degree Examination taken in:* December

*Resit Examination taken in:* April/May

*Aims:* The course offers a critical examination of the concept and emergence of 'modern society'. In this respect, it aims to enable students to think more analytically about the world in which they live, about its past and possible futures. Building on the introduction provided in the Level 1 courses, and on the department's distinctive interdisciplinary nature as a whole, the course aims to extend and deepen understanding of Sociology and Anthropology, and the specific forms of knowledge produced by both disciplines. Students are encouraged to recognise how social and cultural phenomena can be explained in a variety of ways according to different forms of analysis. The course considers a number of important 'encounters' with modernity, beginning with those classical analyses of the shape and development of modern society which were particularly influential in the disciplinary emergence of the social sciences. It moves on to discuss a wider range of encounters with modernity, including those which have taken place in the non-industrialised societies that anthropologists have conventionally studied, as well as in other non-European contexts. It emphasises, therefore, the degree to which explanations of historical processes require, as a first step, the careful study and understanding of specific cultural modes of interpretation, and of specific social contexts with their own historical developments and trajectories.

The principal aims of the course are to:

provide a challenging and coherent account of the sociological and anthropological study of modern society, building on what has already been learnt at first year level; deepen participants' knowledge of our society and other societies by introducing a wider range of substantive examples and by encouraging a higher level of theoretical consideration; enhance participants' ability to think sociologically and anthropologically about modern society, and about what may or may not be distinctive about modern society; provide the intellectual foundation which will equip participants for the more specialised courses offered in Honours Sociology and Anthropology.

*Course Co-ordinator:* Dr Andrew Smith

### **459F ANTHROPOLOGY 3H (JOINT)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* For the 2008-9 session the entry requirements will normally be Sociology and Anthropology 1 at D and Sociology and Anthropology 2 at C. From 2008-9, Levels 1 and 2 Sociology and Anthropology will become modular. So, for the 2009-10 session, the entry requirements for Honours will be Sociology and Anthropology 1A and Sociology 1B at D and Sociology and Anthropology 2A and Sociology 2B at C.

*Assessment:* Four 30 credit papers taken over the course of both Honours years. This may include a dissertation. For most courses, assessment consists of one essay (2-3,000 words) (33%) and one two-hour examination (67%).

*Degree Examination taken in:* April/May

*Aims:* The discipline of Social Anthropology covers virtually every aspect of human social activity. Anthropologists focus on human interaction: with other humans and with animals, gods and machines. They may study the organisation of social life in small rural communities as well as in large metropolitan cities. They work at various levels of scale, ranging from individual biographies to studies of nations, regions or trans-national networks. Anthropology's focus is on the relations that connect social and cultural phenomena and thus characteristically links or cross-cuts the subject limits of other disciplines. Anthropologists are characteristically interested in the practical workings and effects among ordinary people of large-scale social phenomena such as state plans, nationalisms, or religious ideologies. In a contemporary so-called 'global' world, they seek to identify local differences of understanding and interpretation, which recognising ways in which local processes are shaped by wider forces. Anthropology is distinguished from subjects such as economics or political science by its holistic range and the attention it gives to the diversity of culture and society across the world. It is differentiated from sociology both in its main methods (based on long term participant observation), its commitment to the relevance of micro studies and its extension beyond strictly social phenomena to culture, art, individuality and cognition. Anthropology at the University of Glasgow is taught within the Department of Sociology, Anthropology and Applied Social Sciences, students benefit from being able to take a combination of Anthropology and Anthropology/Sociology courses. The integration of anthropology and sociology at the University of Glasgow has been commented on by external examiners as a distinctive and positive feature of our department. This integration begins at levels one and two and continues at honours. The Level 1 and 2 courses and the honours courses open to anthropology students reflect a wide range of staff research interests and include identity, war, racism, ethnicity, nationalism, gender, development, global movements, and post-colonialism. Staff members have carried out research in Britain, other European countries, Latin America,

Africa and Japan. A wide range of teaching methods is used including project work as well as traditional lectures, seminars and workshops. A Joint Honours degree in anthropology from the University of Glasgow prepares students for employment in a number of fields that require a sophisticated, critical and questioning understanding of the workings of society. Past graduates are now employed in the media, city councils, development agencies, market research, data analysis, business management, housing, education, etc. A number of our students have also entered post graduate studies. This degree programme aims: to provide students with knowledge of the principles and theory of anthropology; to give students opportunities to develop practical skills in the gathering, analysis, presentation and discussion of anthropological data; to develop an awareness of the ethical implications of carrying out anthropological research; to develop in students the ability to apply their knowledge and practical skills to solving anthropologically based research problems; to enable students to engage reflexively with the particularities of their own cultural and social contexts as well as with the possibilities inherent in cross cultural comparison; to enable students to enhance their transferable and inter-personal skills, particularly in communication, time management, individual and group research work, critical appraisal of social issues, and the informed use of information technology; to provide students with a wide range of skills that will meet the demands of the modern labour market

*Honours Course Prescription:* The following courses may be taken as part of the Joint Honours Anthropology Degree: Social Anthropology: Religion in Everyday Life; Social Anthropology: The Analysis of Societies; The Sociology and Anthropology of Knowledge and Belief; The Sociology and Anthropology of the Body; Race, Ethnicity and Nationalism; Methods of Social Research; Social Theory; Cultural Politics and Social Change in Post-Soviet Russia; Post Soviet Russia Renegotiating Local and Global Identities; and Society and Environment in the Post-Soviet World; The General Paper (Senior Honours only); or a Dissertation (Senior Honours only).

Please note that for students doing Joint Anthropology and Sociology, the following are compulsory courses: Methods of Social Research and Social Theory (taken in the Junior Honours year), and The General Paper and Dissertation (taken in the Senior Honours year).

*Course Co-ordinator:* Dr Lisa Bourque

### **209F SOCIOLOGY 3H (JOINT)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* For the 2008-9 session, the entry requirements into Junior Honours will be Sociology and Anthropology 1 at D and Sociology and Anthropology 2 at C. From 2008-9, Levels 1 and 2 Sociology and Anthropology will become modular. So, for the 2009-10 session, the entry requirements for Honours will be Sociology and Anthropology 1A and Sociology 1B at D and Sociology and Anthropology 2A and Sociology 2B at C.

*Assessment:* Four courses taken over the course of the Senior and Junior Honours years. This may include a dissertation. For courses, the assessment typically consists of one essay (2-3,000 words) 33%, one two-hour examination 67%.

*Degree Examination taken in:* April/May

*Aims:* Sociology is a core Social Science discipline which is concerned with developing knowledge and understanding of the world from a distinctly 'social' point of view by focussing on the relations that connect individuals, groups and institutions. Sociology's central concerns are the conceptualisation of society and social interaction; the conceptualisation of and relationships between action/agency and social structure; the conceptualisation of micro and macro levels of social analysis, and relationships between these; and the social aspects of the constitution of the individual including the self, subjectivity and embodiment. Sociological theories offer variable accounts of the nature of relationships between society and individuals. Sociology is a discipline which, by identifying the specificity of societies through historical and comparative perspectives, facilitates critiques of contemporary societies, particularly in relation to issues of power and inequality. In particular, sociology seeks to understand how societies, institutions and practices of all kinds came into being, how they are currently organised and how they might change in the future. The discipline of sociology developed in the 19th and 20th centuries as attempts were made to examine these issues in 'modern' 'Western' societies. Today, in an age of globalisation, in order to understand modern society, we increasingly need to look beyond our own boundaries. The sociology undergraduate programme at the University of Glasgow is particularly well placed to do so because of its integration with social anthropology which begins with our first and second year courses and continues at honours level. This integration has been highlighted by our external examiners as something that is distinctive about, and particularly well achieved, by our department. We offer a wide variety of courses at Honours level which reflect a diversity of staff research interests including media, criminology and criminal justice, disability, identity, violence, racism, ethnicity, nationalism, football, sexuality, popular literature, consumption, gambling, religion, youth and employment, development, global movements, and post-colonialism. Staff members have carried out research in Britain, other European countries, Latin America, Africa and Japan. A wide range of teaching methods is used including project work as well as traditional lectures, seminars and workshops. A degree in Sociology from the University of Glasgow prepares students for employment in a number of fields that require a sophisticated/critical/questioning understanding of the workings of society. Past graduates are now employed in the media, city councils, development agencies, market research, data analysis, business management, housing, education, etc. A number of our students have also entered post graduate studies. This degree programme aims: to provide students with knowledge and understanding of sociological theories and research methods; to give students opportunities to develop practical skills in the gathering, analysis, presentation and discussion of sociological data; to develop an awareness of the eth-



ical implications of carrying out sociological research; to enable students to engage reflexively with the particularities of their own cultural and social contexts as well as with the possibilities inherent in cross cultural comparison; to develop in students the ability to apply their knowledge and practical skills to solving sociologically based research problems; to enable students to enhance their transferable and inter-personal skills, particularly in communication, time management, individual and group research work, critical appraisal of social issues, and the informed use of information technology; to provide students with a wide range of skills that will meet the demands of the modern labour market.

*Honours Course Prescription:* The following courses may be taken as part of the Joint Honours Sociology Degree: Crime and Criminological Perspectives; The Sociology of Music; The Sociology of Racism; The Sociology of Consumption; The Sociology of Media; Violence in Society; Gender Divisions in Society; The Sociology of Music; Social Anthropology: Religion in Everyday Life, Social Anthropology: The Analysis of Societies; The Sociology and Anthropology of Knowledge and Belief; The Sociology and Anthropology of the Body; Race, Ethnicity and Nationalism; Methods of Social Research; Social Theory; Cultural Politics and Social Change in Post-Soviet Russia; Post Soviet Russia Renegotiating Local and Global Identities; and Society and Environment in the Post-Soviet World; The General Paper (Senior Honours only); or a Dissertation (Senior Honours only).

Please note that for students doing Joint Anthropology and Sociology, the following are compulsory courses: Methods of Social Research and Social Theory (taken in the Junior Honours year), and the General Paper and Dissertation (taken in the Senior Honours year).

*Course Co-ordinator:* Dr Lisa Bourque

## **209H SOCIOLOGY 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* For the 2008-9 session, the entry requirements into Junior Honours will be Sociology and Anthropology 1 at D and Sociology and Anthropology 2 at C. From 2008-9, Levels 1 and 2 Sociology and Anthropology will become modular. So, for the 2009-10 session, the entry requirements for Honours will be Sociology and Anthropology 1A and Sociology 1B at D and Sociology and Anthropology 2A and Sociology 2B at C.

*Excluded Courses:* 209A Sociology AOS-A

*Assessment:* Eight 30 credit papers taken over the course of the Junior and Senior Honours years. This may include a dissertation. For most courses, the assessment consists of one 2-3,000 word essay (33%) and a two-hour exam (67%).

*Degree Examination taken in:* April/May

*Aims:* Sociology is a core Social Science discipline which is concerned with developing knowledge and understanding of the world from a distinctly 'social' point of view by focussing on the relations that connect individuals, groups and institutions. Sociology's central

concerns are the conceptualisation of society and social interaction; the conceptualisation of and relationships between action/agency and social structure; the conceptualisation of micro and macro levels of social analysis, and relationships between these; and the social aspects of the constitution of the individual including the self, subjectivity and embodiment. Sociological theories offer variable accounts of the nature of relationships between society and individuals. Sociology is a discipline which, by identifying the specificity of societies through historical and comparative perspectives, facilitates critiques of contemporary societies, particularly in relation to issues of power and inequality. In particular, sociology seeks to understand how societies, institutions and practices of all kinds came into being, how they are currently organised and how they might change in the future. The discipline of sociology developed in the 19th and 20th centuries as attempts were made to examine these issues in 'modern' 'Western' societies. Today, in an age of globalisation, in order to understand modern society, we increasingly need to look beyond our own boundaries. The sociology undergraduate programme at the University of Glasgow is particularly well placed to do so because of its integration with social anthropology which begins with our first and second year courses and continues at honours level. This integration has been highlighted by our external examiners as something that is distinctive about, and particularly well achieved, by our department. We offer a wide variety of courses at Honours level which reflect a diversity of staff research interests including media, criminology and criminal justice, disability, identity, violence, racism, ethnicity, nationalism, football, sexuality, popular literature, consumption, gambling, religion, youth and employment, development, global movements, and post-colonialism. Staff members have carried out research in Britain, other European countries, Latin America, Africa and Japan A wide range of teaching methods is used including project work as well as traditional lectures, seminars and workshops. A degree in Sociology from the University of Glasgow prepares students for employment in a number of fields that require a sophisticated/critical/questioning understanding of the workings of society. Past graduates are now employed in the media, city councils, development agencies, market research, data analysis, business management, housing, education, etc. A number of our students have also entered post graduate studies. This degree programme aims: to provide students with knowledge and understanding of sociological theories and research methods; to give students opportunities to develop practical skills in the gathering, analysis, presentation and discussion of sociological data; to develop an awareness of the ethical implications of carrying out sociological research; to enable students to engage reflexively with the particularities of their own cultural and social contexts as well as with the possibilities inherent in cross cultural comparison; to develop in students the ability to apply their knowledge and practical skills to solving sociologically based research problems; to enable students to enhance their transferable and inter-personal skills, particularly in communication, time management, individual and group research work, critical appraisal of social issues, and the informed use of information technology; to provide students with a wide range of skills

that will meet the demands of the modern labour market.

*Honours Course Prescription:* The following courses may be taken as part of the Single Honours Sociology Degree: Crime and Criminological Perspectives; The Sociology of Music; The Sociology of Racism; The Sociology of Consumption; The Sociology of Media; Violence in Society; Gender Divisions in Society; The Sociology of Music; Social Anthropology: Religion in Everyday Life, Social Anthropology: The Analysis of Societies; The Sociology and Anthropology of Knowledge and Belief; The Sociology and Anthropology of the Body; Race, Ethnicity and Nationalism; Methods of Social Research; Social Theory; Cultural Politics and Social Change in Post-Soviet Russia; Post Soviet Russia Renegotiating Local and Global Identities; and Society and Environment in the Post-Soviet World; The General Paper (Senior Honours only); or a Dissertation (Senior Honours only).

Please note that for students doing Joint Anthropology and Sociology, the following are compulsory courses: Methods of Social Research and Social Theory (taken in the Junior Honours year), and the General Paper and Dissertation (taken in the Senior Honours year).

*Course Co-ordinator:* Dr Lisa Bourque

#### **459G ANTHROPOLOGY 4H (JOINT)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* For the 2008-9 session, the entry requirements into Junior Honours will be Sociology and Anthropology 1 at D and Sociology and Anthropology 2 at C. From 2008-9, Levels 1 and 2 Sociology and Anthropology will become modular. So, for the 2009-10 session, the entry requirements for Honours will be Sociology and Anthropology 1A and Sociology 1B at D and Sociology and Anthropology 2A and Sociology 2B at C.

*Assessment:* Four 30 credit papers taken over the course of the Senior and Junior Honours years. This may include a dissertation. For most courses, assessment consists of one essay (2-3,000 words) (33%) and one two-hour examination (67%).

*Degree Examination taken in:* April/May

*Aims:* The discipline of Social Anthropology covers virtually every aspect of human social activity. Anthropologists focus on human interaction: with other humans and with animals, gods and machines. They may study the organisation of social life in small rural communities as well as in large metropolitan cities. They work at various levels of scale, ranging from individual biographies to studies of nations, regions or trans-national networks. Anthropology's focus is on the relations that connect social and cultural phenomena and thus characteristically links or cross-cuts the subject limits of other disciplines. Anthropologists are characteristically interested in the practical workings and effects among ordinary people of large-scale social phenomena such as state plans, nationalisms, or religious ideologies. In a contemporary so-called 'global' world, they seek to identify local differences of understanding and interpretation, which recognising ways in which local processes

are shaped by wider forces. Anthropology is distinguished from subjects such as economics or political science by its holistic range and the attention it gives to the diversity of culture and society across the world. It is differentiated from sociology both in its main methods (based on long term participant observation), its commitment to the relevance of micro studies and its extension beyond strictly social phenomena to culture, art, individuality and cognition. Anthropology at the University of Glasgow is taught within the Department of Sociology, Anthropology and Applied Social Sciences, students benefit from being able to take a combination of Anthropology and Anthropology/Sociology courses. The integration of anthropology and sociology at the University of Glasgow has been commented on by external examiners as a distinctive and positive feature of our department. This integration begins at levels one and two and continues at honours. Levels 1 and 2 Sociology Anthropology and the honours courses open to anthropology students reflect a wide range of staff research interests and include identity, war, racism, ethnicity, nationalism, gender, development, global movements, and post-colonialism. Staff members have carried out research in Britain, other European countries, Latin America, Africa and Japan. A wide range of teaching methods is used including project work as well as traditional lectures, seminars and workshops. A Joint Honours degree in anthropology from the University of Glasgow prepares students for employment in a number of fields that require a sophisticated, critical and questioning understanding of the workings of society. Past graduates are now employed in the media, city councils, development agencies, market research, data analysis, business management, housing, education, etc. A number of our students have also entered post graduate studies. This degree programme aims: to provide students with knowledge of the principles and theory of anthropology; to give students opportunities to develop practical skills in the gathering, analysis, presentation and discussion of anthropological data; to develop an awareness of the ethical implications of carrying out anthropological research; to develop in students the ability to apply their knowledge and practical skills to solving anthropologically based research problems; to enable students to engage reflexively with the particularities of their own cultural and social contexts as well as with the possibilities inherent in cross cultural comparison; to enable students to enhance their transferable and inter-personal skills, particularly in communication, time management, individual and group research work, critical appraisal of social issues, and the informed use of information technology; to provide students with a wide range of skills that will meet the demands of the modern labour market

*Honours Course Prescription:* The following courses may be taken as part of the Joint Honours Anthropology Degree: Social Anthropology: Religion in Everyday Life; Social Anthropology: The Analysis of Societies; The Sociology and Anthropology of Knowledge and Belief; The Sociology and Anthropology of the Body; Race, Ethnicity and Nationalism; Methods of Social Research; Social Theory; Cultural Politics and Social Change in Post-Soviet Russia; Post Soviet Russia Renegotiating Local and Global Identities; and So-

ciety and Environment in the Post-Soviet World; The General Paper (Senior Honours only); or a Dissertation (Senior Honours only).

Please note that for students doing Joint Anthropology and Sociology, the following are required courses: Methods of Social Research and Social Theory (taken in the Junior Honours year), and the General Paper and Dissertation (taken in the Senior Honours year).

*Course Co-ordinator:* Dr Lisa Bourque

### **209G SOCIOLOGY 4H (JOINT)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* For the 2008-9 session the entry requirements into Junior Honours will be Sociology and Anthropology 1 at D and Sociology and Anthropology 2 at C. From 2008-9, Levels 1 and 2 Sociology and Anthropology will become modular. So, for the 2009-10 session, the entry requirements for Honours will be D or better at Sociology and Anthropology 1A and D or better at Sociology 1B and C or better at Sociology and Anthropology 2A and C or better at Sociology 2B.

*Assessment:* Four 30-credit papers taken over the course of both Honours years. This may include a dissertation. For most courses, the assessment consists of one essay (2-3,000 words) 33%, and one two-hour examination 67%.

*Degree Examination taken in:* April/May

*Aims:* Sociology is a core Social Science discipline which is concerned with developing knowledge and understanding of the world from a distinctly 'social' point of view by focussing on the relations that connect individuals, groups and institutions. Sociology's central concerns are the conceptualisation of society and social interaction; the conceptualisation of and relationships between action/agency and social structure; the conceptualisation of micro and macro levels of social analysis, and relationships between these; and the social aspects of the constitution of the individual including the self, subjectivity and embodiment. Sociological theories offer variable accounts of the nature of relationships between society and individuals. Sociology is a discipline which, by identifying the specificity of societies through historical and comparative perspectives, facilitates critiques of contemporary societies, particularly in relation to issues of power and inequality. In particular, sociology seeks to understand how societies, institutions and practices of all kinds came into being, how they are currently organised and how they might change in the future. The discipline of sociology developed in the 19th and 20th centuries as attempts were made to examine these issues in 'modern' 'Western' societies. Today, in an age of globalisation, in order to understand modern society, we increasingly need to look beyond our own boundaries. The sociology undergraduate programme at the University of Glasgow is particularly well placed to do so because of its integration with social anthropology which begins with our first and second year courses and continues at honours level. This integration has been highlighted by our external examiners as something that is distinctive about, and particularly well achieved, by our department. We offer a wide variety

of courses at Honours level which reflect a diversity of staff research interests including media, criminology and criminal justice, disability, identity, violence, racism, ethnicity, nationalism, football, sexuality, popular literature, consumption, gambling, religion, youth and employment, development, global movements, and post-colonialism. Staff members have carried out research in Britain, other European countries, Latin America, Africa and Japan. A wide range of teaching methods is used including project work as well as traditional lectures, seminars and workshops. A degree in Sociology from the University of Glasgow prepares students for employment in a number of fields that require a sophisticated/critical/questioning understanding of the workings of society. Past graduates are now employed in the media, city councils, development agencies, market research, data analysis, business management, housing, education, etc. A number of our students have also entered post graduate studies. This degree programme aims: to provide students with knowledge and understanding of sociological theories and research methods; to give students opportunities to develop practical skills in the gathering, analysis, presentation and discussion of sociological data; to develop an awareness of the ethical implications of carrying out sociological research; to enable students to engage reflexively with the particularities of their own cultural and social contexts as well as with the possibilities inherent in cross cultural comparison; to develop in students the ability to apply their knowledge and practical skills to solving sociologically based research problems; to enable students to enhance their transferable and inter-personal skills, particularly in communication, time management, individual and group research work, critical appraisal of social issues, and the informed use of information technology; to provide students with a wide range of skills that will meet the demands of the modern labour market.

*Honours Course Prescription:* The following courses may be taken as part of the Joint Sociology Degree: Crime and Criminological Perspectives; The Sociology of Music; The Sociology of Racism; The Sociology of Consumption; The Sociology of Media; Violence in Society; Gender Divisions in Society; The Sociology of Music; Social Anthropology: Religion in Everyday Life, Social Anthropology: The Analysis of Societies; The Sociology and Anthropology of Knowledge and Belief; The Sociology and Anthropology of the Body; Race, Ethnicity and Nationalism; Methods of Social Research; Social Theory; Cultural Politics and Social Change in Post-Soviet Russia; Post Soviet Russia Renegotiating Local and Global Identities; and Society and Environment in the Post-Soviet World; The General Paper (Senior Honours only); or a Dissertation (Senior Honours only).

Please note that for students doing Joint Anthropology and Sociology, the following are compulsory courses: Methods of Social Research and Social Theory (taken in the Junior Honours year), and the General Paper and Dissertation (taken in the Senior Honours year).

*Course Co-ordinator:* Dr Lisa Bourque

### **209J SOCIOLOGY 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* For the 2008-9 session the entry requirements into Junior Honours will be Sociology and Anthropology 1 at D and Sociology and Anthropology 2 at C. From 2008-9, Levels 1 and 2 Sociology and Anthropology will be become modular. So, for the 2009-10 session, the entry requirements for Honours will be D or better at Sociology and Anthropology 1A and D or better at Sociology 1B and C or better at Sociology and Anthropology 2A and C or better at Sociology 2B.

*Excluded Courses:* 209A Sociology AOS-A

*Assessment:* Eight 30-credit papers taken over the course of both Honours years. This may include a dissertation. For most courses, the assessment consists of one 2-3,000-word essay (33%) and a two-hour exam.

*Degree Examination taken in:* April/May

*Aims:* Sociology is a core Social Science discipline which is concerned with developing knowledge and understanding of the world from a distinctly 'social' point of view by focussing on the relations that connect individuals, groups and institutions. Sociology's central concerns are the conceptualisation of society and social interaction; the conceptualisation of and relationships between action/agency and social structure; the conceptualisation of micro and macro levels of social analysis, and relationships between these; and the social aspects of the constitution of the individual including the self, subjectivity and embodiment. Sociological theories offer variable accounts of the nature of relationships between society and individuals. Sociology is a discipline which, by identifying the specificity of societies through historical and comparative perspectives, facilitates critiques of contemporary societies, particularly in relation to issues of power and inequality. In particular, sociology seeks to understand how societies, institutions and practices of all kinds came into being, how they are currently organised and how they might change in the future. The discipline of sociology developed in the 19th and 20th centuries as attempts were made to examine these issues in 'modern' 'Western' societies. Today, in an age of globalisation, in order to understand modern society, we increasingly need to look beyond our own boundaries. The sociology undergraduate programme at the University of Glasgow is particularly well placed to do so because of its integration with social anthropology which begins with our first and second year courses and continues at honours level. This integration has been highlighted by our external examiners as something that is distinctive about, and particularly well achieved, by our department. We offer a wide variety of courses at Honours level which reflect a diversity of staff research interests including media, criminology and criminal justice, disability, identity, violence, racism, ethnicity, nationalism, football, sexuality, popular literature, consumption, gambling, religion, youth and employment, development, global movements, and post-colonialism. Staff members have carried out research in Britain, other European countries, Latin America, Africa and Japan A wide range of teaching methods is used including project work as well as traditional lectures, seminars and workshops. A degree in Sociology from the University of Glasgow prepares students for employment in a number of fields that require a sophis-

ticated/critical/questioning understanding of the workings of society. Past graduates are now employed in the media, city councils, development agencies, market research, data analysis, business management, housing, education, etc. A number of our students have also entered post graduate studies. This degree programme aims: to provide students with knowledge and understanding of sociological theories and research methods; to give students opportunities to develop practical skills in the gathering, analysis, presentation and discussion of sociological data; to develop an awareness of the ethical implications of carrying out sociological research; to enable students to engage reflexively with the particularities of their own cultural and social contexts as well as with the possibilities inherent in cross cultural comparison; to develop in students the ability to apply their knowledge and practical skills to solving sociologically based research problems; to enable students to enhance their transferable and inter-personal skills, particularly in communication, time management, individual and group research work, critical appraisal of social issues, and the informed use of information technology; to provide students with a wide range of skills that will meet the demands of the modern labour market.

*Honours Course Prescription:* The following courses may be taken as part of the Single Honours Sociology Degree: Crime and Criminological Perspectives; The Sociology of Music; The Sociology of Racism; The Sociology of Consumption; The Sociology of Media; Violence in Society; Gender Divisions in Society; The Sociology of Music; Social Anthropology: Religion in Everyday Life, Social Anthropology: The Analysis of Societies; The Sociology and Anthropology of Knowledge and Belief; The Sociology and Anthropology of the Body; Race, Ethnicity and Nationalism; Methods of Social Research; Social Theory; Cultural Politics and Social Change in Post-Soviet Russia; Post Soviet Russia Renegotiating Local and Global Identities; and Society and Environment in the Post-Soviet World; The General Paper (Senior Honours only); or a Dissertation (Senior Honours only).

Please note that for students doing Joint Anthropology and Sociology, the following are compulsory courses: Methods of Social Research and Social Theory (taken in the Junior Honours year), and the General Paper and Dissertation (taken in the Senior Honours year).

*Course Co-ordinator:* Dr Lisa Bourque

## Statistics

### 2CHB STATISTICS 1C: STATISTICS FOR PSYCHOLOGISTS AND SOCIAL SCIENTISTS

*Credits:* 40

*Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: Monday, Tuesday, Wednesday and Thursday at 12.00 pm and 1.00 pm (in parallel). Practicals: weekly for two hours at times to be arranged.

*Requirements of entry:* Pass in Standard Grade Mathematics (or equivalent)

*Excluded Courses:* 1MFP Biometrics 2 (14B) 4RHU

Statistics 1Y: Probability and Statistical Methods 4RJU  
 Statistics 1Z: Design of Experiments and Analysis of  
 Variance

*Assessment:* One 3-hour written examination (55%);  
 practical work and two projects (45%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students to statistical concepts and thinking; to provide a practical introduction to data analysis; to demonstrate the importance and practical usefulness of statistics; to encourage and equip students to apply simple statistical techniques to design, analyse and interpret studies in a wide range of disciplines but mainly in psychology; to enable students to communicate the results of their analyses in clear non-technical language in writing up laboratory reports and projects; to make students aware of the limitations of simple techniques and encourage them to seek expert advice when more complex procedures are required; to provide examples of the uses of statistics in situations of relevance to students' other courses; to utilise the statistical computer package Minitab to illustrate the power of statistical techniques.

*Course Co-ordinator:* Dr Agostino Nobile/Mr Harper Gilmour

#### 4RHU STATISTICS 1Y: PROBABILITY AND STATISTICAL METHODS

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Monday, Tuesday, Wednesday and Thursday at 1.00 pm. Practicals: 5 two hour practicals, at times to be arranged. Tutorials: Weekly for one hour at times to be arranged.

*Requirements of entry:* Pass in SCE Higher Mathematics (or equivalent)

*Excluded Courses:* 1MFP Biometrics 2 (14B) 2CHB Statistics 1C: Statistics for Psychologists and Social Scientists 8W9B Statistics 1B: Practical Statistics

*Assessment:* Written examination (one two-hour paper) 80%; Six practical reports 20%.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To: introduce students to basic concepts in probability; demonstrate the importance and practical usefulness of probability in real life; equip students to apply probability theory to solve problems from a wide range of disciplines; train students to use computers for simulation studies; show how probability is a necessary foundation for understanding statistics; introduce students to fundamental ideas in Statistics; demonstrate the importance and usefulness of these ideas in real life and on real data; show how to present data informatively and clearly; equip students to apply probability and statistical methods to solve standard problems from a wide range of disciplines; give students an appreciation of the limitations of these standard techniques; provide an appreciation of the assessment of variability through interval estimation; enable students to communicate the results of their analyses in clear non-technical language;

promote an interest in probability and statistics and hence encourage students to study the subject further.

*Course Co-ordinator:* Prof E Scott

#### 4RJU STATISTICS 1Z: DESIGN OF EXPERIMENTS AND ANALYSIS OF VARIANCE

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Monday, Tuesday, Wednesday and Thursday at 1.00 pm. Practicals: 5 two hour practicals, at times to be arranged. Tutorials: Weekly for one hour at times to be arranged.

*Requirements of entry:* Pass in SCE Higher Mathematics (or equivalent)

*Co-requisites:* Statistics 1Y

*Excluded Courses:* 1MFP Biometrics 2 (14B) 2CHB Statistics 1C: Statistics for Psychologists and Social Scientists 8W9B Statistics 1B: Practical Statistics

*Assessment:* Written examination (one two-hour paper) 80%; Six practical reports 20%.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students to further fundamental ideas in Statistics beyond those met in S1Y; demonstrate the importance and usefulness of these ideas in real life and on real data; enable students to understand both the strengths and weaknesses of the hypothesis test approach to statistical analysis; provide an appreciation of the need for statisticians to be involved in the design as well as the analysis of experiments; enable students to understand how sampling should be undertaken; enable students to assess relationships between random variables; enable students to understand how to utilise time series data in simple contexts; enable students to communicate the results of their analyses in clear non-technical language; promote an interest in probability and statistics and hence encourage students to study the subject further.

*Course Co-ordinator:* Prof E Scott

#### 4FJV STATISTICS 2R: PROBABILITY

*Credits:* 10

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Monday and Wednesday at 9.00 am. Practicals: fortnightly for 1.5 hours at times to be arranged. Tutorials: fortnightly for one hour at times to be arranged.

*Requirements of entry:* Mathematics 1R (or 1X) and 1S (or 1T or 1Y) (grade D or better). Strongly recommend Statistics 1Y/Z

*Assessment:* Degree Examination 85%, 2 Practical reports 5% each, other coursework 5%.

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To introduce students to fundamental concepts in Probability theory, beyond the simpler ideas introduced in Level 1; to demonstrate the importance and

usefulness of Probability in real applications; to equip students to apply Probability to solve problems from a wide range of disciplines; to train students to use computers for simulation studies; to promote an interest in Probability and Statistics and hence encourage students to study more advanced courses.

*Course Co-ordinator:* Prof John McColl

#### 4FBV STATISTICS 2S: STATISTICAL METHODS

*Credits:* 10 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Tuesday and Thursday at 9.00 am. Practicals: fortnightly for one and a half hours at times to be arranged. Tutorials: fortnightly for one hour at times to be arranged.

*Requirements of entry:* Mathematics 1R (or 1X) and 1S (or 1T or 1Y) (grade D or better). Strongly recommend Statistics 1Y/Z

*Co-requisites:* Statistics 2R

*Assessment:* Degree Examination 85%, 2 Practical reports 5% each, homework problem 5%

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To introduce students to non-parametric tests for statistical inference; to introduce students to parametric methods of interval estimation, based on pivotal functions and on likelihood; to compare and contrast these different approaches to statistical inference; to demonstrate the importance and usefulness of these concepts in real applications; to equip students to apply statistical ideas to solve problems from a wide range of disciplines; to train students to communicate the results of their analyses in clear non-technical language; to train students to use computers appropriately for statistical analysis; to promote an interest in Statistics and encourage students to study more advanced courses.

*Course Co-ordinator:* Prof John McColl

#### 4FCV STATISTICS 2T: SURVEY METHODS AND DATA ANALYSIS

*Credits:* 10 *Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Friday at 9.00 am. Practicals: weekly for two hours at times to be arranged.

*Requirements of entry:* Either: Mathematics 1R (or 1X) and 1S (or 1T or 1Y) (grade D or better) and Statistics 2S; or: Statistics 1Y and 1Z or Statistics 1B or Statistics 1C (grade D or better).

*Assessment:* One 1 hour written examination (50%). 2 Practical reports worth 10% each and project (30%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To introduce students to statistical concepts in the design and analysis of observational studies; to demonstrate the importance and usefulness of these concepts in real applications; to equip students to organise and analyse data from observational studies in a wide

range of disciplines; to train students to communicate the results of their research in clear non-technical language; to train students to use computers appropriately to store, retrieve and analyse data.

*Course Co-ordinator:* Prof John McColl

#### 4FDV STATISTICS 2X: PROBABILITY MODELS

*Credits:* 10 *Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Monday and Wednesday at 9.00 am. Practicals: fortnightly for one and a half hours at times to be arranged. Tutorials: fortnightly for one hour at times to be arranged.

*Requirements of entry:* Mathematics 1R (or 1X) and 1S (or 1T or 1Y) (grade D or better).

*Co-requisites:* Statistics 2R and Mathematics 2X and 2Y and Mathematics 2A, 2B and 2D.

*Assessment:* Degree Examination 85%, 2 Practical Reports 5% each, homework problem 5%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students to further concepts in Probability; to demonstrate the importance and usefulness of these concepts in real applications; to equip students to apply probability methods to solve problems from a wide range of disciplines; to promote an interest in Probability and Statistics and hence encourage students to study more advanced courses.

*Course Co-ordinator:* Prof John McColl

#### 4FEV STATISTICS 2Y: REGRESSION MODELLING

*Credits:* 10 *Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Tuesday and Thursday at 9.00 am. Practicals: fortnightly for one and a half hours at times to be arranged. Tutorials: fortnightly for one hour at times to be arranged.

*Requirements of entry:* Mathematics 1R (or 1X) and 1S (or 1T or 1Y) (grade D or better).

*Co-requisites:* Statistics 2R and 2S and Mathematics 2A, 2B and 2D

*Assessment:* Degree Examination 85%, 2 Practical reports 5% each, homework problem 5%

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students to statistical modelling, in particular linear models; to demonstrate the importance and usefulness of modelling in real applications; to equip students to apply regression modelling to solve problems from a wide range of disciplines; to train students to communicate the results of their analyses in clear non-technical language; to train students to use computers appropriately for statistical analysis; to promote an interest in Statistics and encourage students to study more advanced courses.

*Course Co-ordinator:* Prof John McColl

**4FFV STATISTICS 2Z: ADVANCED DATA ANALYSIS***Credits:* 10*Level:* 2*When Taught:* Semester 2 (January - March)*Timetable:* Lectures: Friday at 9.00 am. Practicals: weekly for two hours at times to be arranged.*Requirements of entry:* Either: Mathematics 1R (or 1X) and 1S (or 1T or 1Y) (grade D or better); or Statistics 1Y and 1Z; or Statistics 1B; or Statistics 1C; (grade D or better)*Co-requisites:* Statistics 2T*Assessment:* One 1 hour written examination (50%). Practical work (15%) and project (35%).*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September*Aims:* To introduce students to some advanced statistical techniques in a non-mathematical manner; to demonstrate the importance and usefulness of these techniques in real applications; to equip students to apply these techniques to analyse data from a wide range of disciplines; to train students to communicate the results of their analyses in clear non-technical language; to train students to use computers appropriately for statistical analysis.*Course Co-ordinator:* Prof John McColl**8RJW STATISTICAL STUDIES 3***Credits:* 40*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* Lectures 4 per week, weeks 1-12 and weeks 13-17. Tutorials 1 per week, weeks 1-12 and weeks 13-22. Practical 2 hours per week, weeks 1-12 and weeks 13-22.*Requirements of entry:* Statistics 2R, 2S, 2X and 2Y (Grade D or better) and successful completion of Mathematics 2R (or 2W), 2S (or 2Z), 2X and 2Y with Grade D or better in two of them.*Co-requisites:* There is no co-requisite for this course. However, this course forms part of the Designated Degree in Mathematical and Statistical Studies, for which any two of Mathematics 3P, 3Q, 3R, 3S are also required.*Excluded Courses:* Courses which would be excluded are: Statistics 3M Single MSci; Statistics 3H Single BSc; Statistics 3M Combined MSci; Statistics 3H Combined BSc.*Assessment:* Degree examination in May/June will consist of three papers: two theory papers, one 2-hour and one 1-hour (together contributing 75%) and one 1.5-hour practical paper (15%). Various coursework tasks associated with the practical programme (10%).*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September*Aims:* to extend previous work on the Normal Linear Model under standard assumptions; to describe some of the main tools required for the construction, evaluation and verification of Normal Linear Models; to show how this methodology may be applied to special cases of the Normal Linear Model, such as the one- and two-wayanalysis of variance, the analysis of covariance, and multiple and polynomial regression; to provide methods for detecting and dealing with breakdowns in the standard assumptions for the Normal Linear Model; to provide an introduction to the statistical aspects of designing experimental and observational studies, and to introduce associated methods of statistical analysis; to introduce students to Gaussian linear mixed effects models for balanced data and to the use of simple linear modelling software such as `lm` in S for this purpose; to provide an appreciation of the types of problems and questions which arise with multivariate data; to provide a good understanding of the application of multivariate techniques for: the graphical exploration of multivariate data; the reduction of dimensionality of multivariate data; to provide clear illustration of the application and interpretation of multivariate methods.*Course Co-ordinator:* Prof Stephen Senn**409F STATISTICS 3H (JOINT)***Credits:* 60*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* Lectures: at times to be arranged. Practicals: Monday and Thursday, 2.00 pm-4.00 pm. Tutorials: weekly for one hour at a time to be arranged.*Requirements of entry:* Statistics 2R, 2S, 2X and 2Y (grade D or better) and Mathematics 2R (or 2W), 2S (or 2Z), 2X and 2Y (grade D or better). In addition, a grade point average of at least 12 is required across the four Statistics level 2 courses. Any additional requirement from the other Honours subject must also be satisfied.*Excluded Courses:* Statistics 3M*Assessment:* Six written papers (100%)*Degree Examination taken in:* April/May*Resit Examination taken in:* August/September*Aims:* General skills which the Joint Honours courses both 3H and 4H are designed to provide include: (1) a sound grounding in the principles and theory of statistical inference; (2) a critical, comprehensive, working knowledge of standard statistical methods in everyday use including some use of statistical packages; (3) sufficient grounding to be able to handle at least some non-standard problems; (4) the ability to explain conclusions clearly and correctly and in non-technical language; (5) statistical programming skills; (6) practical experience of carrying out short statistical tasks using appropriate computing software (gained through limited participation in computer-based practicals and a short final-year project).*Honours Course Prescription:* A subset of: Inference 3, Linear Models 3, Probability 3, Applied Modelling 3, Multivariate Statistics 3, Statistical Computing 3, Linear Mixed Models 3, Design of Statistical Investigations 3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4 (Combined).*Course Co-ordinator:* Prof Stephen Senn

### 409H STATISTICS 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: at times to be arranged. Practicals: Monday and Thursday, 2.00 pm-4.00 pm. Tutorials: weekly for one hour at a time to be arranged.

*Requirements of entry:* Statistics 2R, 2S, 2X and 2Y (grade D or better) and Mathematics 2R (or 2W), 2S (or 2Z), 2X and 2Y (grade D or better). In addition, a grade point average of at least 12 is required across the four Statistics level 2 courses.

*Excluded Courses:* Statistics 3M

*Assessment:* Eight written papers (66.7%), practical paper (8.3%), data-analysis project (16.7%), practical reports and self study portfolio (8.3%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* General skills which the Single Honours courses both 3H and 4H are designed to provide include: (1) a sound grounding in the principles and theory of statistical methods in everyday use; (2) a critical, comprehensive, working knowledge of standard statistical methods in everyday use; (3) sufficient grounding to be able to handle at least some non-standard problems; (4) experience as a statistical consultant (primarily through project work, carried out under supervision, in which you advise a scientist, doctor or social scientist with problems involving analysis of data); (5) the programming and computing skills necessary to carry out the above; (6) the ability to explain conclusions clearly and correctly, both in writing and orally, and in non-technical language.

*Honours Course Prescription:* Inference 3, Linear Models 3, Probability 3, Design of Statistical Investigations 3, Applied Modelling 3, Multivariate Statistics 3, Linear Mixed Models 3, Statistical Computing 3, Analysis of Data 3, Statistics Project 3, Biostatistics 4, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4, Analysis of Data 4.

*Course Co-ordinator:* Prof Stephen Senn

### 0UEF STATISTICS 3M (COMBINED)

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: at times to be arranged. Tutorials: weekly for one hour at a time to be arranged.

*Requirements of entry:* Statistics 2R, 2S, 2X and 2Y (grade C or better) and Mathematics 2R (or 2W), 2S (or 2Z), 2X and 2Y (grade C or better). In addition, a grade point average of at least 14 is required across the four Statistics level 2 courses. Any additional requirement from the other Honours subject must also be satisfied.

*Assessment:* Six written papers (100%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This degree programme aims: to provide students with a sound grounding in the principles and the-

ory of statistics; to give students some opportunity to develop practical skills in the analysis and modelling of data; to develop in students the ability to apply their knowledge and practical skills to solve problems amenable to statistical analysis, no matter the subject area in which these problems arise; to enable students to enhance their transferable and inter-personal skills, particularly in computer applications, oral and written communication, and problem solving; to provide students with experience of conducting statistical research (primarily through a final-year, research project); to prepare students for employment in a wide variety of contexts where statistical skills are valued, or for further study in statistics, and for engagement in lifelong learning

*Honours Course Prescription:* A subset of: Inference 3, Linear Models 3, Probability 3, Applied Modelling 3, Multivariate Statistics 3, Statistical Computing 3, Linear Mixed Models 3, Design of Statistical Investigations 3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4 (Combined), Multivariate Inference 5, Advanced Statistical Computing 5, Topics in Statistical Research 5, Combined Research Project 5, Communications Workshop 5

*Course Co-ordinator:* Dr Vincent MacAulay

### 0UFH STATISTICS 3M (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: at times to be arranged. Practicals: Monday and Thursday, 2.00 pm-4.00 pm. Tutorials: weekly for one hour at a time to be arranged.

*Requirements of entry:* Statistics 2R, 2S, 2X and 2Y (grade C or better given an average of B) and Mathematics 2R (or 2W), 2S (or 2Z), 2X and 2Y (grade D or better). In addition, a grade point average of at least 14 is required across the four Statistics level 2 courses.

*Assessment:* Eight written papers and practical paper (75%), data-analysis project (16.7%), practical reports and portfolio of self study material (8.3%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This degree programme aims: to provide students with a sound grounding in the principles and theory of statistics; to give students the opportunity to develop practical skills in the collection, handling, analysis and modelling of data; to develop in students the ability to apply their knowledge and practical skills to solve problems amenable to statistical analysis, no matter the subject area in which these problems arise; to enable students to enhance their transferable and inter-personal skills, particularly in computer applications and programming, oral and written communication, and problem solving; to provide students with experience as a statistical consultant or researcher (primarily through two extended projects); to prepare students to undertake research in Statistics, for employment in a wide variety of contexts where statistical skills are valued, and for engagement in lifelong learning.



*Honours Course Prescription:* Inference 3, Linear Models 3, Probability 3, Design of Statistical Investigations 3, Applied Modelling 3, Multivariate Statistics 3, Linear Mixed Models 3, Statistical Computing 3, Analysis of Data 3, Statistics Project 3, Biostatistics 4, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4, Analysis of Data 4, Advanced Statistical Computing 5, Statistics Research Project 5 - Single, Communications Workshop 5, Topics in Statistical Research 5, Multivariate Inference 5

*Course Co-ordinator:* Dr Vincent MacAulay

#### 409G STATISTICS 4H (JOINT)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: at times to be arranged. Tutorials: weekly for two hours at times to be arranged.

*Requirements of entry:* Statistics 3H (Joint) or 3M (Joint) at grade D or better. Any additional requirement from the other Honours subject.

*Excluded Courses:* Statistics 4M

*Assessment:* Carry-over of marks from Statistics 3H (Joint) (50%). Four theory papers (33.3%). Project in Weeks 13-22 (16.7%).

*Degree Examination taken in:* April/May

*Aims:* General skills which the Joint Honours course is designed to provide include: (1) a sound grounding in the principles and theory of statistical inference; (2) a critical, comprehensive, working knowledge of standard statistical methods in everyday use including some use of statistical packages; (3) sufficient grounding to be able to handle at least some non-standard problems; (4) the ability to explain conclusions clearly and correctly and in non-technical language; (5) practical experience of carrying out short statistical tasks using appropriate computing software (gained through limited participation in computer-based practicals and a short final-year project).

*Honours Course Prescription:* A subset of: Inference 3, Linear Models 3, Probability 3, Applied Modelling 3, Multivariate Statistics 3, Statistical Computing 3, Linear Mixed Models 3, Design of Statistical Investigations 3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4 (Combined).

*Course Co-ordinator:* Prof D Titterington

#### 409J STATISTICS 4H (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: at times to be arranged. Practicals: Tuesday, 11.00 am-1.00 pm and Friday, 2.00 pm-4.00 pm. Tutorials: weekly for two or three hours at times to be arranged.

*Requirements of entry:* Statistics 3H (Single) or 3M (Single) at grade D or better.

*Excluded Courses:* Statistics 4M

*Assessment:* Carry-over of marks from Statistics 3H (Single) (50%); Project in Weeks 13 -22 (16.7%); Seven written papers (29.2%); One practical paper. (3.1%), practical reports (1%)

*Degree Examination taken in:* April/May

*Aims:* General skills which the Single Honours courses both 3H and 4H are designed to provide include: (1) a sound grounding in the principles and theory of statistical methods in everyday use; (2) a critical, comprehensive, working knowledge of standard statistical methods in everyday use; (3) sufficient grounding to be able to handle at least some non-standard problems; (4) experience as a statistical consultant (primarily through project work, carried out under supervision, in which you advise a scientist, doctor or social scientist with problems involving analysis of data); (5) the computing skills necessary to carry out the above; (6) the ability to explain conclusions clearly and correctly, both in writing and orally, and in non-technical language.

*Honours Course Prescription:* Inference 3, Linear Models 3, Probability 3, Design of Statistical Investigations 3, Applied Modelling 3, Multivariate Statistics 3, Linear Mixed Models 3, Statistical Computing 3, Analysis of Data 3, Biostatistics 4, Statistics Project 3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4, Analysis of Data 4.

*Course Co-ordinator:* Prof D Titterington

#### OUUG STATISTICS 4M (COMBINED)

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: at times to be arranged. Tutorials: weekly for two hours at times to be arranged.

*Requirements of entry:* Statistics 3H (Joint) or 3M (Joint) at grade B or better. Any additional requirement from the other Honours subject.

*Assessment:* Four theory papers (67%). Project in Weeks 13-22 (33%).

*Degree Examination taken in:* April/May

*Aims:* This degree programme aims: to provide students with a sound grounding in the principles and theory of statistics; to give students some opportunity to develop practical skills in the analysis and modelling of data; to develop in students the ability to apply their knowledge and practical skills to solve problems amenable to statistical analysis, no matter the subject area in which these problems arise; to enable students to enhance their transferable and inter-personal skills, particularly in computer applications, oral and written communication, and problem solving; to provide students with experience of conducting statistical research (primarily through a final-year, research project); to prepare students for employment in a wide variety of contexts where statistical skills are valued, or for further study in statistics, and for engagement in lifelong learning.

*Honours Course Prescription:* A subset of: Inference 3, Linear Models 3, Probability 3, Applied Modelling

3, Multivariate Statistics 3, Statistical Computing 3, Linear Mixed Models 3, Design of Statistical Investigations 3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4 (Combined), Multivariate Inference 5, Advanced Statistical Computing 5, Topics in Statistical Research 5, Combined Research Project 5, Communications Workshop 5

*Course Co-ordinator:* Dr Vincent MacAulay

### OUJ STATISTICS 4M (SINGLE)

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: at times to be arranged. Practicals: Tuesday, 11.00 am-1.00 pm and Friday, 2.00 pm-4.00 pm. Tutorials: weekly for two or three hours at times to be arranged.

*Requirements of entry:* Statistics 3H (Single) or 3M (Single) at grade B or better.

*Assessment:* Project in Weeks 13 -22 (33%); Seven written papers and practical paper. (65%), practical reports (2%)

*Degree Examination taken in:* April/May

*Aims:* This degree programme aims: to provide students with a sound grounding in the principles and theory of statistics; to give students the opportunity to develop practical skills in the collection, handling, analysis and modelling of data; to develop in students the ability to apply their knowledge and practical skills to solve problems amenable to statistical analysis, no matter the subject area in which these problems arise; to enable students to enhance their transferable and inter-personal skills, particularly in computer applications and programming, oral and written communication, and problem solving; to provide students with experience as a statistical consultant or researcher (primarily through two extended projects); to prepare students to undertake research in Statistics, for employment in a wide variety of contexts where statistical skills are valued, and for engagement in lifelong learning.

*Honours Course Prescription:* Inference 3, Linear Models 3, Probability 3, Design of Statistical Investigations 3, Applied Modelling 3, Multivariate Statistics 3, Linear Mixed Models 3, Statistical Computing 3, Analysis of Data 3, Statistics Project 3, Biostatistics 4, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4, Analysis of Data 4, Advanced Statistical Computing 5, Statistics Research Project 5 - Single, Communications Workshop 5, Topics in Statistical Research 5, Multivariate Inference 5

*Course Co-ordinator:* Dr Vincent MacAulay

### OUHG STATISTICS 5M (COMBINED)

*Credits:* 60

*Level:* 5

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: at times to be arranged. Tutorials: weekly for two hours at times to be arranged.

*Requirements of entry:* Statistics 3M /4M (Joint) at grade B or better. Any additional requirement from the other Honours subject.

*Assessment:* Carry-over of marks from Statistics 3M/4M(Joint) (66%); , Combined Project contributes 40 credits of the Degree Programme in Weeks 1-24 (Statistics is nominally 20 credits), 3 Theory Papers and a Portfolio of work (23%)

*Degree Examination taken in:* April/May

*Aims:* This degree programme aims: to provide students with a sound grounding in the principles and theory of statistics; to give students some opportunity to develop practical skills in the analysis and modelling of data; to develop in students the ability to apply their knowledge and practical skills to solve problems amenable to statistical analysis, no matter the subject area in which these problems arise; to enable students to enhance their transferable and inter-personal skills, particularly in computer applications, oral and written communication, and problem solving; to provide students with experience of conducting statistical research (primarily through a final-year, joint research project); to prepare students for employment in a wide variety of contexts where statistical skills are valued, or for further study in statistics, and for engagement in lifelong learning.

*Honours Course Prescription:* A subset of: Inference 3, Linear Models 3, Probability 3, Applied Modelling 3, Multivariate Statistics 3, Statistical Computing 3, Linear Mixed Models 3, Design of Statistical Investigations 3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4, Multivariate Inference 5, Advanced Statistical Computing 5, Topics in Statistical Research 5, Combined Research Project 5, Communications Workshop 5

*Course Co-ordinator:* Dr Vincent MacAulay

### OUJJ STATISTICS 5M (SINGLE)

*Credits:* 120

*Level:* 5

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: at time to be arranged. Practicals: to be arranged.

*Requirements of entry:* Statistics 3M/4M (Single) at grade B or better.

*Assessment:* Carry-over of marks from Statistics 3M/4M (Single) (66%), Project in Weeks 1-24 (22%); Two theory papers (6%); Portfolio of Practical work (6%)

*Degree Examination taken in:* April/May

*Aims:* This degree programme aims: to provide students with a sound grounding in the principles and theory of statistics; to give students the opportunity to develop practical skills in the collection, handling, analysis and modelling of data; to develop in students the ability to apply their knowledge and practical skills to solve problems amenable to statistical analysis, no matter the subject area in which these problems arise; to enable students to enhance their transferable and

inter-personal skills, particularly in computer applications and programming, oral and written communication, and problem solving; to provide students with experience as a statistical consultant or researcher (primarily through two extended projects); to prepare students to undertake research in Statistics, for employment in a wide variety of contexts where statistical skills are valued, and for engagement in lifelong learning.

*Honours Course Prescription:* Inference 3, Linear Models 3, Probability 3, Design of Statistical Investigations 3, Applied Modelling 3, Multivariate Statistics 3, Linear Mixed Models 3, Statistical Computing 3, Analysis of Data 3, Biostatistics 4, Statistics Project 3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4, Analysis of Data 4, Advanced Statistical Computing 5, Statistics Research Project 5 - Single, Communications Workshop 5, Topics in Statistical Research 5, Multivariate Inference 5

*Course Co-ordinator:* Dr Vincent MacAulay

## Theatre Film & T.V. Studies

### LHPU FILM AND TELEVISION STUDIES 1A: READING THE SCREEN - CINEMA

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Monday, 11-12pm; Wednesday, 11-12pm; Screening: Tuesday, 4-6pm (approx.); seminars weekly.

*Requirements of entry:* Normally open only to students in Arts who have been specifically admitted to this course through UCAS and have achieved the special entry tariff set by the University's Central Admissions Office.

*Co-requisites:* Reading the Screen - Television is a co-requisite for students intending to proceed to Level 2.

*Assessment:* One examination paper (55%), one class essay (35%), and seminar contribution mark (10%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Level One: Overall Aims (1) To provide an introduction to the academic study of film and as a central forms of twentieth-century culture. (2) To identify specific critical methods for the analysis of cinema as text, and to promote an understanding of the social, cultural and industrial contexts in which it is produced. (3) To encourage an approach to cinema and television which recognises their diversity and their historical development. (4) To encourage critical reading and discussion of the literature associated with the study of film. Course Aims: The particular aims of the cinema course are: (1) To study the historical development of film as a visual language with its own specific codes and conventions of representation, and to assess the implications of these codes and conventions for social and cultural meaning. (2) To introduce some of the central debates of film theory and criticism as a foundation for subsequent study. (3) To understand the relationship

between the industrial and commercial mode of production of cinema and its aesthetic and cultural forms. (4) To develop a sense of the diversity of cinema in both its classical and non-classical forms, and to recognize the significant differences between Hollywood and European cinema, for example, or between 'classical' Hollywood and contemporary cinema. (5) To encourage critical analysis of films both in essays and in seminar discussion.

*Course Co-ordinator:* Dr Ian Craven

### LHQU FILM AND TELEVISION STUDIES 1B: READING THE SCREEN- TELEVISION

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Monday, 11-12pm; Wednesday, 11-12pm; Screening: Tuesday, 4-6pm (approx.); seminars weekly.

*Requirements of entry:* Normally open only to students in Arts who have been specifically admitted to this course through UCAS and have achieved the special entry tariff set by the University's Central Admissions Office.

*Co-requisites:* Reading the Screen - Cinema is a co-requisite for students intending to proceed to Level 2.

*Assessment:* One examination paper (55%), one class essay (35%), and seminar contribution mark (10%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Level One: Overall Aims (1) To provide an introduction to the academic study of television as a central form of twentieth-century culture. (2) To identify specific critical methods for the analysis of television as a text, and to promote an understanding of the social, cultural and industrial context in which it is produced. (3) To encourage an approach to cinema and television which recognises their diversity and their historical development. (4) To encourage critical reading and discussion of the literature associated with the study of television. Course Aims: The particular aims of the television course are: (1) To provide an introduction to the systematic study of television as a significant and distinctive force in modern everyday life. (2) To encourage a critical and theoretical perspective on television texts past and present informed by the institutional contexts that have shaped them. (3) To promote an understanding of the relationship between television's industrial and commercial modes of production and its aesthetic and cultural forms. (4) To explore the major turning points in British television's historical, political and technological development as a way of relating institutional change to shifts in strategies of representation. (5) To investigate a selection of programme forms and genres, both fictional and factual, as part of an analysis of the specificity of television as a visual medium of information and entertainment. (6) To encourage critical analysis of television programmes and institutional history both in essays and in seminar discussion.

*Course Co-ordinator:* Dr Ian Craven

### **JAAU THEATRE STUDIES 1: READING THE STAGE**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* 2 lectures per week (M, W, 4-5pm) plus one 1.5 hour seminar per week for 10 weeks at times to be arranged. No lectures on: M of week 1; M and W of week 7 (reading week); M and W of week 12 (project week). No seminars in week 7 (reading week).

*Assessment:* 1 x 2,000 word essay (weighted at 40%), 1 x 60 minute exam (consisting of 1 question) (weighted at 40%), individual contribution to tutorials/group project (weighted at 20%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* Overall Level 1 Theatre Studies offers a foundational study of theatre as an aesthetic, cultural and institutional form. It aims to: 1. provide an introduction to the academic study of theatre; 2. provide an introduction to a critical methodology for the analysis of theatrical performances, 3. promote an understanding of the social and cultural contexts in which theatrical performances are produced; 4. encourage a critical knowledge of theatrical activity in the past and present, in a variety of geographically and historically different locations; 5. encourage a critical understanding of theatre arts and their practice, and the institutional and personal frameworks which affect them. In particular the Reading the Stage course aims to: 1. provide critical methodologies for the analysis of plays and other theatre texts in performance; 2. provide an introduction to performance theories; and, 3. encourage an understanding of the potential role of performance theories in the analysis of the theatrical text.

*Course Co-ordinator:* Dr Deirdre Heddon

### **JBTU THEATRE STUDIES 1: THEATRE AND SOCIETY**

*Credits:* 20

*Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* 2 lectures per week (M, W, 4-5pm); plus one 1.5 hour seminar per week for 10 weeks at times to be arranged. No lectures on: M of week 1; M and W of week 8 (reading week); and M of week 9 (Easter Monday). No seminars in week 8 (reading week).

*Assessment:* 1 x 2000 word essay submitted by Thursday of week 8 (weighted 40% of the course); plus, 1 x 90 hour exam (consisting of 2 equally weighted questions) scheduled in the April/May diet (weighted at 60% of the course).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Overall Level 1 Theatre Studies offers a foundational study of theatre as an aesthetic, cultural and institutional form. It aims to: 1. provide an introduction to the academic study of theatre; 2. provide an introduction to a critical methodology for the analysis of theatrical performances, 3. promote an understanding of the social and cultural contexts in which theatrical performances are produced; 4. encourage a critical

knowledge of theatrical activity in the past and present, in a variety of geographically and historically different locations; 5. encourage a critical understanding of theatre arts and their practice, and the institutional and personal frameworks which affect them. In particular the Theatre and Society course aims to: 1. guide the student towards a critical awareness of the multiple relationships between theatre and society, both historically and in contemporary practices; 2. encourage an understanding of some of the social, political and economic issues affecting theatre practice in Scotland and in Britain whilst also providing appropriate comparators from other countries; 3. open up some of the major cultural debates in contemporary theatre.

*Course Co-ordinator:* Dr Deirdre Heddon

### **9JBV FTV2A: SPECTATORSHIP, AUDIENCES AND IDENTITIES**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Thursday 2-3; Friday 9-11 Seminar and screening: weekly

*Requirements of entry:* Satisfactory completion of both Level 1 courses with neither course attaining less than grade D.

*Co-requisites:* Film and Television Studies 2B: History and Aesthetics (9JAU) is a co-requisite for progress to Honours.

*Assessment:* Class test (35%), class essay (55%) and seminar contribution (10%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* Level Two: Overall Course Aims (1) To introduce students to key theoretical and critical debates associated with the study of film and television as popular cultural forms. (2) To develop students' skills in textual, historical and industrial analyses of film and television (3) To introduce theories of national and cultural identities as key critical contexts for the study of cinematic and televisual representations, their production and consumption (4) To encourage critical and reflexive discussion of theories associated with the study of film and television (5) To provide students with a shared foundation in the theory and criticism of film and television

*Course Co-ordinator:* Prof John Caughie

### **9JAU FTV2B: HISTORY, AESTHETICS AND GENRE**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Thursday 2-3, Friday 9-11 Seminar and screening: weekly

*Requirements of entry:* Satisfactory completion of both Level 1 courses with neither course attaining less than grade D.

*Co-requisites:* Film and Television Studies 2A: Spectatorship, Audiences and Identities (9JBV) is a co-requisite for progress to Honours

*Assessment:* Class essay (35%), examination paper (55%) and seminar contribution (10%).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* Level Two: Overall Course Aims (1) To introduce students to key theoretical and critical debates associated with the study of film and television as popular cultural forms. (2) To develop students' skills in textual, historical and industrial analyses of film and television (3) To introduce theories of national and cultural identities as key critical contexts for the study of cinematic and televisual representations, their production and consumption (4) To encourage critical and reflexive discussion of theories associated with the study of film and television (5) To provide students with a shared foundation in the theory and criticism of film and television.

*Course Co-ordinator:* Prof John Caughie

## **JBCV THEATRE STUDIES 2:CLASSICAL TO MODERN**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* 2 lectures per week (M, W, 3-4pm) plus 1 hour seminar per week (slots Tu 3-4pm, Tu 4-5pm, Th 3-4pm, Th 4-5pm). No lectures on: M of week 1; M and W of week 7 (reading week). No seminars in week 1 or week 7 (reading week).

*Requirements of entry:* Satisfactory completion of both Level 1 TS courses with neither course attaining less than grade D.

*Assessment:* 1 x 90 minute exam: students will be required to answer two questions, one relating to material in second part of semester; and one comprising a comparative question taken from materials across the whole semester. (Weighting: 50%). 1x2500 word essay relating to material in first part of the semester (weighting 50%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course aims to: 1. provide an historical and critical survey of the major dominant forms of theatre practice in Europe up to the early C20; 2. analyse historical, dramatic and performance texts using an appropriate critical vocabulary and with an understanding of relevant social and theatrical conditions; 3. introduce influential theoretical concepts, such as those in Aristotle's Poetics, Neo-classicism, and Naturalism; and, 4. investigate the influence of such movements on dramaturgy and theatre practice within the relevant socio-historical context.

*Course Co-ordinator:* Dr Kathleen Gough

## **JBDV THEATRE STUDIES 2:MODERNISM TO POSTMODERNISM**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* 2 lectures per week (M, W, 3-4pm) plus one 2 hour seminar per week (slots Tu 3-5pm, Th 3-5pm, F

10-12 noon; F 12-2pm). No lectures on: M of week 1; after week 8. No seminars in week 1; presentations in week 12.

*Requirements of entry:* To enter 'TS2: Modernism to Postmodernism' students must have successfully completed 'TS2: Classical to Modern', achieving no less than a D pass.

*Assessment:* 1 x 2500 word essay submitted week 8 (weighted 40%); project mark 60% (consisting individual mark 20%, moderated group mark 20%, individual log book/report of no less than 1500 words 20%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims to: 1. introduce a number of C20 European and American practitioners whose radical approaches to acting, directing and scenography have reoriented the ways texts are used in theatrical performance; 2. analyse C20 performance texts highlighting visual, performative and multi-media aspects of the stage event; 3. consider such work in relation to broader artistic and cultural movements of Modernism and Postmodernism; and, 4. empower students to bring together theoretical and historical knowledge, textual analysis and practical skills in a problem-solving situation that demands independent research and group interaction.

*Course Co-ordinator:* Dr Kathleen Gough

## **9QQF FILM & TELEVISION STUDIES 3H (JOINT)**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* As per courses

*Requirements of entry:* A B3 for each FTV Level 2 course, or equivalent, achieved at first sitting.

*Assessment:* Courses (Optional, Core and Dissertation, Junior and Senior Honours) contribute to the overall degree in a weight proportional to their credit rating, i.e. 40 credit courses @ 33.33%, 20 credit courses @ 16.67%. A number of different assessment modes will be used throughout the degree, with individual courses assessed in the way that is considered appropriate. Modes of assessment include short and long essays, analyses of films and television programmes, reviews and reports, formal examinations and class tests, individual and group presentations, individual and group project reports. A minimum of 15% of the assessment will be by formal examination or class tests.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* 1. to provide a range of topics, approaches and methodologies which will enable students to begin to construct a learning programme which will explore aspects of film and/or television studies and their own interests within it; 2. to provide a context for the critical understanding of aesthetic debates in the field and to deepen understanding of selected textual practices; 3. to provide a context for the understanding of the cultural background and industrial practices within which cinema and/or television are produced and consumed;

4. to provide a context for a historical understanding of the development of film and/or television studies; 5. to foster research skills and an understanding of the appropriate methodologies for the study of film and/or television; 6. to encourage confident and effective presentation of applied work in a range of modes.

*Honours Course Prescription:* Junior Honours students take a Core course which can be either Film Analysis (20 credits) or Television Analysis (20 credits). The remaining required 40 credits can be achieved in a variety of ways: by completing the Media and Cultural Policy course (40 credits); by completing the practical course on Video Production (20 credits) and an additional Optional Honours course (20 credits); or by taking two Optional Honours courses (20 credits each). Optional Honours courses are available to both Junior and Senior Honours students and, each year are drawn from a list which includes the following: Hollywood Cinema in the 1970s, Hollywood Cinema in the 1980s, Hollywood Cinema in the 1990s, Contemporary British Cinema, Documentary, Asian Cinemas, Italian Cinema, Popular European Cinemas, Research Project in European Cinema, Genre Case Study, Australian Film and Television, Screen Performance, Television Drama, New German Cinema, Popular Music in Cinema, Silent Cinema, Film and Television Aesthetics, Children and Television, Television Theory, Feminist Film Theory, Screen Violence, Screen Audiences. Courses are usually repeated every two years so that students are offered maximum choice opportunity. Students will be allowed to take up to one outside Honours courses over the period of their Honours programme. The Honours Convenor must approve the choice of outside course.

*Course Co-ordinator:* Dr Ian Goode

### 9QSH FILM & TELEVISION STUDIES 3H (SINGLE)

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* As per courses

*Assessment:* Courses (Optional, Core and Dissertation, Junior and Senior Honours) contribute to the overall degree in a weight proportional to their credit rating, i.e. 40 credit courses @ 16.67%, 20 credit courses @ 8.33%. A number of different assessment modes will be used throughout the degree, with individual courses assessed in the way that is considered appropriate. Modes of assessment include short and long essays, analyses of films and television programmes, reviews and reports, formal examinations and class tests, individual and group presentations, individual and group project reports. A minimum of 15% of the assessment will be by formal examination or class tests.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* 1. to provide a range of topics, approaches and methodologies which will enable students to begin to construct a learning programme which will reflect the breadth of film and television studies and their own interests within it; 2. to provide a context for the critical understanding of the aesthetic debates in the field and to deepen understanding of selected textual practices; 3.

to provide a context for the understanding of the cultural background and industrial practices within which cinema and television are produced and consumed; 4. to provide a context for a historical understanding of the development of film and television studies; 5. to foster skills in independent and group research and an understanding of the appropriate methodologies for the study of film and television

*Honours Course Prescription:* Junior Honours students take three compulsory Core courses: Film Analysis (20 credits), Television Analysis (20 credits) and Media and Cultural Policy (40 credits). Students who decide to take the practical course on Video Production (20 credits) also take one Optional Honours course (20 credits). Alternatively students can take two Optional Honours courses (20 credits each). Optional Honours courses are available to both Junior and Senior Honours students and, each year are drawn from a list which includes the following: Hollywood Cinema in the 1970s, Hollywood Cinema in the 1980s, Hollywood Cinema in the 1990s, Contemporary British Cinema, Documentary, Asian Cinemas, Italian Cinema, Popular European Cinemas, Research Project in European Cinema, Genre Case Study, Australian Film and Television, Screen Performance, Television Drama, New German Cinema, Popular Music in Cinema, Silent Cinema, Film and Television Aesthetics, Children and Television, Television Theory, Feminist Film Theory, Screen Violence, Screen Audiences. Courses are usually repeated every two years so that students are offered maximum choice opportunity. Students will be allowed to take up to two outside Honours courses over the period of their Honours programme. The Honours Convenor must approve the choice of outside courses.

*Course Co-ordinator:* Dr Ian Goode

### KNRW LEVEL 3: PROJECT FILM & TELEVISION STUDIES

*Credits:* 30

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* flexible - to be agreed

*Requirements of entry:* Normally a 'C' in both Film and Television courses at Level 2

*Assessment:* Normally written project of 8000 words. Exceptionally - and with the prior agreement of the course convener - students may be permitted to submit their work in alternative formats (e.g. a report, a multi-media presentation) providing they still fulfil the published assessment criteria

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course aims to: 1. To demonstrate independent study of a specific topic in Film & Television Studies at Level 3. 2. To acquire advanced skills in using learning resources such as the library and other sources for extended review of a subject. 3. To display writing and discursive skills suitable for an in-depth study of a topic to Level 3.

*Course Co-ordinator:* Dr Ian Goode

**KLEW THEATRE STUDIES 3: GROUP PROJECT***Credits:* 40*Level:* 3*When Taught:* Semester 1 (September - December)*Timetable:* 10 x 4 hour weekly workshops

*Requirements of entry:* TS3: Group project is the 'early exit' version of TS3: Critical theatre practice and is only available to suitably qualified visiting students enrolling for semester 1 only. All other categories of student pursuing L3 in TS must enrol in the 60 credit two-semester course.

*Assessment:* The course is assessed by one project completed for the semester 1 exam diet (50% - moderated group mark; 20% - individual contribution - incorporating 'in-class' activities such as running a warm-up, delivering a workshop, giving an oral presentation; 30% - 2500 word reflective journal).

*Degree Examination taken in:* December*Resit Examination taken in:* August/September

*Aims:* The course aims to - 1. explore some of the major cultural debates in contemporary theatre practice; 2. provide practical methodologies for the exploration of key issues and themes in the study of theatre; 3. empower students to bring together theoretical historical knowledge, textual analysis and practical skills in a problem-solving situation that demands independent research and group interaction; and, 4. encourage a critical understanding of practice as a research methodology and critical output.

*Course Co-ordinator:* Dr Adrienne Scullion**101F THEATRE STUDIES 3H (JOINT)***Credits:* 60*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* Monday to Friday, generally p.m.

*Requirements of entry:* B pass or better overall across both Level 2 Theatre Studies courses and fulfilling the normal Faculty requirements for entry to Honours

*Co-requisites:* Acceptance into Joint Honours by another relevant Department and compliance with Arts Faculty regulations on Honours entry.

*Assessment:* Students take 120 credits of TS courses over the two year joint honours programme but must include: two Theatre Studies core courses (Performance Theory and Analysis in the Junior Honours year and Current Issues in the Senior Honours year); and, one Practical option (in the Junior Honours year). In addition all joint honours students must complete one independent research project (Dissertation) as part of their graduating curriculum and, if this is in Theatre Studies, it must be completed in the Senior Honours Year. Courses are generally equally weighted 20 credit courses but may be double-weighted 40 credit courses. A number of different assessment modes are used throughout the degree, with individual courses assessed in a manner appropriate to their learning outcomes. Modes of assessment include short and long essays, practical work, reflective reports, individual and group presentations.

*Degree Examination taken in:* April/May

*Aims:* (1) To give students the opportunity to become proficient in a variety of approaches to the study of theatre, viz. the techniques of historical, sociological and theoretical analysis of the theatrical process, past and present. (2) To encourage students to test theoretical concepts by means of practical experimentation and to make a critical assessment of the results achieved. (3) To increase students' awareness of current debates surrounding the provision of theatre and allied arts in the United Kingdom, Europe and beyond, and to facilitate their informed contribution to such debates. (4) To facilitate the establishment of links between students and the professional theatre in Scotland by means of the employment of visiting professional practitioners to teach or lecture, theatre visits and placement schemes. (5) To promote in students a facility to communicate both orally and in writing on topics relevant to the Theatre Studies course. (6) To develop further in students the ability to work together in groups and/or teams, and to develop their ability to report coherently on collective or individual findings with rigour and constructive self-assessment.

*Honours Course Prescription:* 3H year One core course - Performance Theory and Analysis One practical course - chosen from an approved selection. One optional course - chosen from an approved selection.

*Course Co-ordinator:* Dr Anselm Heinrich**101H THEATRE STUDIES 3H (SINGLE)***Credits:* 120*Level:* 3*When Taught:* Full Session (September - March)*Timetable:* Monday to Friday, generally p.m.

*Requirements of entry:* B pass or better in both Level 2 Theatre Studies courses and fulfilling the normal Faculty requirements for entry to Honours.

*Assessment:* Students take 240 credits of Theatre Studies courses over the two year joint honours programme but must include: three Theatre Studies core courses (Performance Theory and Analysis and the Group project in the Junior Honours year, and Current Issues in the Senior Honours year); one practical option (in the Junior Honours year); one Project element (in the Senior Honours Year); and, one independent research project (Dissertation) to be completed in the Senior Honours Year. Courses are generally equally weighted 20 credit courses but may be double weighted 40 credit courses. A number of different assessment modes are used throughout the degree, with individual courses assessed in a manner appropriate to their learning outcomes. Modes of assessment include short and long essays, practical work, reflective reports, individual and group presentations.

*Degree Examination taken in:* April/May

*Aims:* (1) To give students the opportunity to become proficient in a variety of approaches to the study of theatre, viz. the techniques of historical, sociological and theoretical analysis of the theatrical process, past and present. (2) To encourage students to test theoretical concepts by means of practical experimentation and to make a critical assessment of the results achieved. (3) To increase students' awareness of current debates surrounding the provision of theatre and allied arts in the

United Kingdom, Europe and beyond, and to facilitate their informed contribution to such debates. (4) To facilitate the establishment of links between students and the professional theatre in Scotland by means of the employment of visiting professional practitioners to teach or lecture, theatre visits and placement schemes. (5) To promote in students a facility to communicate both orally and in writing on topics relevant to the Theatre Studies course. (6) To develop further in students the ability to work together in groups and/or teams, and to develop their ability to report coherently on collective or individual findings with rigour and constructive self-assessment.

*Course Co-ordinator:* Dr Anselm Heinrich

### **9QRG FILM & TELEVISION STUDIES 4H (JOINT)**

*Credits:* 60 *Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* As per courses

*Requirements of entry:* A B3 for each FTV Level 2 course, or equivalent, achieved at first sitting.

*Assessment:* Courses (Optional, Core and Dissertation, Junior and Senior Honours) contribute to the overall degree in a weight proportional to their credit rating, i.e. 40 credit courses @ 33.33%, 20 credit courses @ 16.67%. A number of different assessment modes will be used throughout the degree, with individual courses assessed in the way that is considered appropriate. Modes of assessment include short and long essays, analyses of films and television programmes, reviews and reports, formal examinations and class tests, individual and group presentations, individual and group project reports. A minimum of 15% of the assessment will be by formal examination or class tests.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* 1. to provide a range of topics, approaches and methodologies which will enable students to complete a learning programme which explores key areas in film and/or television studies and reflects their own interests in the discipline; 2. to provide a context for the advanced critical understanding of selected aesthetic, cultural and historical debates in film and/or television studies; 3. to provide a context for the confident and critical application of theoretical approaches and methods to specialised areas of cinema and/or television; 4. to refine skills in independent research and encourage advanced levels of scholarship in response to current academic research in selected fields of study; 5. to consolidate effective presentational skills appropriate for the activities being undertaken and the context in which they are presented.

*Honours Course Prescription:* Senior Honours students select two Optional Honours courses (20 credits each) and complete a Joint Honours Dissertation (20 credits). Students who are doing a Dissertation as part of their other subject programme are given the possibility of not doing a Dissertation for Film and Television Studies but taking an Optional Honours course (20 credits) instead.

*Course Co-ordinator:* Dr Ian Goode

### **9QXJ FILM & TELEVISION STUDIES 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* as per course

*Assessment:* Courses (Optional, Core and Dissertation, Junior and Senior Honours) contribute to the overall degree in a weight proportional to their credit rating, i. e. 40 credits courses @ 16.67%, 20 credits courses @ 8.33%. A number of different assessment modes will be used throughout the degree, with individual courses assessed in the way that is considered appropriate. Modes of assessment include short and long essays, analyses of films and television programmes, reviews and reports, formal examinations and class tests, individual and group presentations, individual and group project reports. A minimum of 15% of the assessment will be by formal examination or class tests.

*Degree Examination taken in:* April/May

*Aims:* 1. to provide a range of topics, approaches and methodologies which will enable students to complete a learning programme which will reflect the breadth of films and television studies and their own interests within it; 2. to provide a context for the advanced critical understanding of the aesthetic, cultural and historical debates in film and television studies; 3. to provide a context for the confident and critical application of theoretical approaches and methods to specialised areas of cinema and/or television; 4. to refine skills in independent research and encourage advanced levels of scholarship in response to current academic research in selected fields of study; 5. to consolidate effective presentational skills appropriate for the activities being undertaken and the context in which they are presented.

*Honours Course Prescription:* Senior Honours students select four Optional Honours courses (20 credits each) and complete a Single Honours Dissertation (40 credits). Optional Honours courses are available to both Junior and Senior Honours students and, each year are drawn from a list which includes the following: Hollywood Cinema in the 1970s, Hollywood Cinema in the 1980s, Hollywood Cinema in the 1990s, Contemporary British Cinema, Documentary, Asian Cinemas, Italian Cinema, Popular European Cinemas, Research Project in European Cinema, Genre Case Study, Australian Film and Television, Screen Performance, Television Drama, New German Cinema, Popular Music in Cinema, Silent Cinema, Film and Television Aesthetics, Children and Television, Television Theory, Feminist Film Theory, Screen Violence, Screen Audiences. Courses are usually repeated every two years so that students are offered maximum choice opportunity. Students will be allowed to take up to two outside Honours courses over the period of their Honours programme. The Honours Convenor must approve the choice of outside courses.

*Course Co-ordinator:* Dr Ian Goode

### **101G THEATRE STUDIES 4H (JOINT)**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)



*Timetable:* Monday to Friday, generally p.m.

*Requirements of entry:* Theatre Studies 2 at Grade B, obtained at first sitting.

*Co-requisites:* Acceptance into Joint Honours by another relevant Department and compliance with Arts Faculty regulations on Honours entry.

*Assessment:* One core course – Current issues – 15 credits – take away paper One dissertation – 30 credits – 75% finished thesis and 25% ‘process’ mark One option course – 15 credits – 50% exam and 50% course work

*Degree Examination taken in:* April/May

*Aims:* (1) To give students the opportunity to become proficient in a variety of approaches to the study of theatre, viz. the techniques of historical, sociological and theoretical analysis of the theatrical process, past and present. (2) To encourage students to test theoretical concepts by means of practical experimentation and to make a critical assessment of the results achieved. (3) To increase students’ awareness of current debates surrounding the provision of theatre and allied arts in the United Kingdom, Europe and beyond, and to facilitate their informed contribution to such debates. (4) To facilitate the establishment of links between students and the professional theatre in Scotland by means of the employment of visiting professional practitioners to teach or lecture, theatre visits and placement schemes. (5) To promote in students a facility to communicate both orally and in writing on topics relevant to the Theatre Studies course. (6) To develop further in students the ability to work together in groups and/or teams, and to develop their ability to report coherently on collective or individual findings with rigour and constructive self-assessment.

*Honours Course Prescription:* 4H year One core course – Current issues One dissertation One optional course

*Course Co-ordinator:* Dr Victoria Price

### 101J THEATRE STUDIES 4H (SINGLE)

*Credits:* 120 *Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* Monday to Friday, generally p.m.

*Requirements of entry:* Theatre Studies 2 at Grade B, obtained at first sitting.

*Assessment:* Students take a total of twelve courses over the two year single honours programme: six in the JH year and six in the SH year. JH: Performance Analysis – course work and essay (7.5%); Practical pathway – project and report (10%); three optional courses – course work and essay (22.5%); one group project – project and report (10%). SH: Current issues – take away paper at the end of the semester (7.5%); Dissertation (10%); two optional courses – course work and exam (15%); Cultural policy – report at the end of the semester (7.5%); Project element – Practical option or Double-weighted dissertation or Work placement (10%). Percentages are of total Honours assessment. Options offered vary from session to session.

*Degree Examination taken in:* April/May

*Aims:* (1) To give students the opportunity to become proficient in a variety of approaches to the study of theatre, viz. the techniques of historical, sociological and

theoretical analysis of the theatrical process, past and present. (2) To encourage students to test theoretical concepts by means of practical experimentation and to make a critical assessment of the results achieved. (3) To increase students’ awareness of current debates surrounding the provision of theatre and allied arts in the United Kingdom, Europe and beyond, and to facilitate their informed contribution to such debates. (4) To facilitate the establishment of links between students and the professional theatre in Scotland by means of the employment of visiting professional practitioners to teach or lecture, theatre visits and placement schemes. (5) To promote in students a facility to communicate both orally and in writing on topics relevant to the Theatre Studies course. (6) To develop further in students the ability to work together in groups and/or teams, and to develop their ability to report coherently on collective or individual findings with rigour and constructive self-assessment.

*Course Co-ordinator:* Dr Victoria Price

## Theology and Religious Studies

### 8WFU BIBLICAL STUDIES 1A: OLD TESTAMENT/TANAKH

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Tuesday, Thursday, Friday 9.00 am Tutorials: Monday, Wednesday 9.00am

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* 1 essay or project (50%); 1 two hour end of course exam (50%)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To introduce students to critical study of the English Bible and issues in its interpretation, with special reference to the Old Testament.

*Course Co-ordinator:* Dr Yvonne Sherwood

### OHTU BIBLICAL STUDIES 1B: NEW TESTAMENT

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Tuesday, Thursday, Friday 9.00 am Tutorials: Monday, Wednesday 9.00am

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* 1 x 1500 word essay (50% weighting); 2 hour end of course examination in May/June(50% weighting).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide a broad introduction to the criticism and interpretation of the New Testament

*Course Co-ordinator:* Dr Ward Blanton

### **9GRU CHRISTIANITY 1B: THEOLOGY**

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Monday, Tuesday, Thursday 11am  
Tutorials: Wednesday and Friday 11am

*Excluded Courses:* It is not possible to take both this course and its distance learning version.

*Assessment:* Coursework essay of 1,500 words. Project of 1,500 words (excluding appendices). Students are also required to complete a compulsory but non-assessed record of their learning progress through the course.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To explore the various sources (e.g. scripture, tradition, reason and experience) from which Christian theology has emerged within the life of the Church. To generate an awareness of key concepts in Christian theology and how these form a living tradition which is responsive to historical and cultural change. To provide the resources through which students can engage with Christian theology in order to formulate their own responses to issues of contemporary concern.

*Course Co-ordinator:* Dr Heather Walton

### **156U CLASSICAL HEBREW LANGUAGE I**

*Credits:* 20 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Monday, Tuesday 10-11am

*Assessment:* Assessed homework (25% weighting); 1.5 hours class examination in January (25% weighting); 2 hour end of course examination in May/June (50% weighting).

*Degree Examination taken in:* April/May

*Aims:* To cover the basics of classical (Biblical) Hebrew sufficiently to enable independent reading of narrative materials in the Hebrew Bible.

*Course Co-ordinator:* Dr Sarah Nicholson

### **9GPU HISTORY OF CHRISTIANITY: 1A CHURCH HISTORY**

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Monday, Tuesday, Thursday 3pm  
Tutorials: Wednesday and Friday 11am

*Requirements of entry:* None

*Co-requisites:* None

*Assessment:* 1 x 1500 word essay (50% weighting); 2 hour end of course examination in January (50% weighting)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* Introduction to the broad history of Christianity: origins, major turning points and phases, key personalities and writings, self-understanding and evolving thought-patterns. Content: Lectures follow a series of essential topics illustrating the main contours and landmarks of Christianity's evolution, internal and external, from the first to the twentieth centuries. Highlighted are the varieties of interface between Church, societies and cultures. The origins of modern Christian diversity and pluriformity, nationally and internationally, will be explained. The global approach of the lectures will be balanced by exposure in the tutorials to samples of original documentary sources.

*Course Co-ordinator:* Prof William Hazlett

### **456U NEW TESTAMENT GREEK 1**

*Credits:* 20 *Level:* 1

*When Taught:* Full Session (September - March)

*Timetable:* Lectures: Tuesday, Thursday and Fridays 12.00pm - 1.00pm

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* Greek 1A

*Assessment:* Assessed Homework (25% weighting) Exams: 1.5 hour Class exam in January (25% weighting) 2 hour end of course exam in May/June (50% weighting)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To acquire a reading knowledge of New Testament Greek.

*Course Co-ordinator:* Mrs Linda Knox

### **8VCU WORLD RELIGIONS 1A: JUDAISM, CHRISTIANITY AND ISLAM**

*Credits:* 20 *Level:* 1

*When Taught:* Semester 1 (September - December)

*Timetable:* Lectures: Monday, Tuesday, Thursday 4.00 pm  
Seminars: Wednesday, Friday 4.00 pm

*Requirements of entry:* None

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* Class essay (50% weighting); 2 hour end of course exam in May/June (50% weighting)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* Students will examine the approach taken by three major monotheistic religions - Judaism, Christianity and Islam - to three major areas of concern: Belief, Religion in Society and Texts and Scriptures.

*Course Co-ordinator:* Prof Mona Siddiqui

### **8VDU WORLD RELIGIONS 1B: EASTERN RELIGIONS**

*Credits:* 20 *Level:* 1

*When Taught:* Semester 2 (January - March)

*Timetable:* Lectures: Monday, Tuesday, Thursday 4.00 pm  
Seminars: Wednesday, Friday 4.00 pm

*Requirements of entry:* None

*Assessment:* Class essay (50% weighting); 2 hour end of course exam in June (50% weighting)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* The course aims to provide an introduction to the history of the major religious traditions of the east, designed to form part of an Arts, Divinity or Social Science degree and to provide a basis for further work in the field of religious studies.

*Course Co-ordinator:* Prof Perry Schmidt-Leukel

### **0GUV BIBLICAL STUDIES 2A: OLD TESTAMENT/ TANAKH TEXTS**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Monday and Friday, 2-4 p.m.

*Requirements of entry:* Grade D or better in any Level 1 Theology & Religious Studies option.

*Co-requisites:* None

*Excluded Courses:* Old Testament/Tanakh Texts (English)

*Assessment:* One essay of 2000 words (40% weighting); Project (20% weighting); End of course exam (2 hours) (40% weighting).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To build on the general knowledge of the texts gained in Level 1. To engage in close reading of selected texts from Torah and Prophets. To relate biblical texts to a variety of religious and secular contexts.

*Course Co-ordinator:* Dr Alastair Hunter

### **0UAV BIBLICAL STUDIES 2A: OLD TESTAMENT/ TANAKH TEXTS (HEBREW)**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Monday and Friday, 2-4 p.m.

*Requirements of entry:* Hebrew 1 or equivalent at grade D or better

*Co-requisites:* None

*Excluded Courses:* Old Testament/Tanakh Texts (English)

*Assessment:* One essay of 2000 words (40% weighting); Hebrew class exam (20% weighting); End of course exam (2 hours) (40% weighting).

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To build on the general knowledge of the texts gained in Level 1. To engage in close reading of selected texts from Torah and Prophets. To relate biblical texts to a variety of religious and secular contexts. To acquire advanced skills in reading and interpreting selected Tanakh texts in Hebrew.

*Course Co-ordinator:* Dr Alastair Hunter

### **KDLV BIBLICAL STUDIES 2B: STUDY OF A NEW TESTAMENT TEXT**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Monday and Friday, 2-4 p.m.

*Requirements of entry:* Normally grade D or better in any Level 1 course, preferably in BIBS 1B.

*Co-requisites:* None

*Excluded Courses:* Students who follow this course are unable to follow what is the Greek version of this course, Biblical Studies 2B: New Testament Texts (Greek).

*Assessment:* 2 pieces of course work of 2,000 words (60% weighting). 2 hour end of course exam in January (40% weighting)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course introduces students to the close reading of select New Testament texts. This time round the emphasis will fall on texts reading to Paul. Appropriate attention will be given to questions of method.

*Course Co-ordinator:* Mr Paul Holloway

### **KDMV BIBLICAL STUDIES 2B: STUDY OF A NEW TESTAMENT TEXT (GREEK)**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Monday and Friday, 2-4 p.m.

*Requirements of entry:* Normally grade D or better in any non-language Level 1 course, preferably in BIBS 1B. Level 1 Greek or its equivalent at D or better.

*Co-requisites:* None

*Excluded Courses:* The non-Greek option: Bibs 2B: Study of a New Testament Text is not available to those following this Greek option.

*Assessment:* 1 piece of course work of 2,000 words (30% weighting). 2 hour end of course exam in January (40% weighting). Greek class test (30%).

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* This course introduces students to the close reading of select New Testament texts in Greek. This time round the emphasis will fall on texts relating to Paul. Appropriate attention will be given to questions of method.

*Course Co-ordinator:* Mr Paul Holloway

### **JTEV CHRISTIANITY 2 A: CHURCH IN SCOTLAND**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 1 (September - December)

*Timetable:* Monday & Friday 9-11am

*Requirements of entry:* Successful completion of Theology level 1 course gaining a D or better.

*Assessment:* · An essay of 2000 words exploring either a particular historical period in the life of the Scottish Church. (30%) · An essay of 2000 words interrogating a theme of particular significance within the Scottish context (30%) · A project of 2,500 words exploring an aspect of the life of a Scottish Christian community (40%)

*Degree Examination taken in:* December

*Aims:* · To introduce students to the history of Christianity in Scotland since the Victorian era. · To examine major themes that have emerged as significant for the churches in the Scottish context including social responsibility, sectarianism, ecumenism, mission and decline · To demonstrate how the emerging discipline of congregational studies can be used to gain an understanding of the dynamics of Church life at local level. · To explore how local churches and Christian organizations are seeking to develop forms of Christian community appropriate to their contemporary cultural context.

*Course Co-ordinator:* Dr Heather Walton

### **JTGV CHRISTIANITY 2B: THEOLOGY AND ETHICS**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Monday & Friday 9-11am

*Requirements of entry:* Grade D or better in any Level 1 theology course

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* 1 x 2000 word essay (40% weighting), 3 hour end of course written examination (60% weighting)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To introduce students to the main developments in Christian theology from 1750 to the present. To introduce students to the study of Christian ethics, and how it has taken shape in the modern era.

*Course Co-ordinator:* Ms Julie Clague

### **JUSV CHRISTIANITY 2C: CHURCH, MINISTRY AND WORSHIP**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Tuesday & Thursday 9-11

*Requirements of entry:* Normally grade d or better in a level 1 course, preferably either Christianity 1A or 1B.

*Assessment:* · An essay of 2500 words exploring either the nature and mission of the church in terms of the history of doctrine or through the work of a modern/postmodern theologian; OR · An essay of 2500 words on the nature of ordination within episcopal and non-episcopal traditions. (40%) · A project of 3,000 words exploring an aspect of worship practice in contemporary Scottish church life. (60%)

*Degree Examination taken in:* April/May

*Aims:* · To address themes and topics relevant to the practice of Christian ministry within the contemporary

world, with particular reference to the Scottish context. · To introduce students to major topics within ecclesiology - the nature and mission of the church; theologies of ordination and church order; the history and practice of Christian worship - and to the critical debates surrounding them in contemporary Christian theology. · To develop an informed and critical approach to contemporary worship practice · To consider how missiological concerns should inform the practice of the contemporary church.

*Course Co-ordinator:* Rev Douglas Gay

### **JBNV WORLD RELIGIONS 2A: ISLAM**

*Credits:* 20

*Level:* 2

*When Taught:* Semester 2 (January - March)

*Timetable:* Tuesday and Thursday 3-5pm

*Requirements of entry:* Grade D or better in any non-language level 1 course in Theology & Religious Studies, or Grade D or better in Arabic Level 1

*Co-requisites:* None

*Excluded Courses:* None

*Assessment:* 2 pieces of course work (40%), 2 hour end-of-course exam (60%)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* This course seeks to address common misperceptions of Islam's approach to pluralism, the position of women and ethics. It will examine such issues by investigating what the Qur'an says about pluralism, the role of women and various ethical issues. In addition, the course will outline how later Islamic thinkers have interpreted these Qur'anic injunctions and how they have been perceived and practiced within the Islamic community.

*Course Co-ordinator:* Prof Mona Siddiqui

### **4FLH DIVINITY (MINISTRY) HONOURS 3H (SINGLE)**

*Credits:* 120

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Religious Studies 1A and 1B; Biblical Studies 1A and 1B; Theology and Church History 1A and 1B; 40 Arts credits; three Level 2 Theology and Religious Studies courses. All courses at average of grade D with at least one grade C.

*Assessment:* Three pieces of course work 30%; One three hour degree examination 70%

*Degree Examination taken in:* April/May

*Aims:* (1) To provide a wide-ranging core curriculum of courses in the disciplines associated with Theology and Religious Studies at Levels 1 and 2. (2) To enable students to pursue independent study of a chosen selection of the relevant disciplines in depth by means of primary and secondary texts, using original languages where appropriate, discussion with recognised experts in the disciplines, and interaction with fellow students. (3) To help students to make connections between different

disciplines and to reflect creatively on the connections thus effected. (4) To encourage and extend students' powers of original thought and to afford a context for this in the form of discussion papers and dissertations using bibliographical resources. (5) To encourage the development of a range of generic and transferable skills such as willingness to learn, good communication skills, analytic ability, logical argument, the ability to summarise key issues, problem solving skills, and the ability to work well with others. (6) To encourage students to reflect on the ways in which both academic learning and generic skills relate to the wider society in which they live.

*Honours Course Prescription:* Four 30-credit courses drawn from Theology and Religious Studies honours courses

*Course Co-ordinator:* Dr Ward Blanton

#### **4FKH DIVINITY HONOURS 3H (SINGLE)**

*Credits:* 120 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Religious Studies 1A and 1B; Biblical Studies 1A and 1B; Theology and Church History 1A and 1B; 40 Arts Credits; three Level 2 Theology and Religious Studies courses. All courses at average of grade D with at least one grade C.

*Assessment:* Three pieces of course work 30%; One three hour degree examination 70%

*Degree Examination taken in:* April/May

*Aims:* (1) To provide a wide-ranging core curriculum of courses in the disciplines associated with Theology and Religious Studies at Levels 1 and 2. (2) To enable students to pursue independent study of a chosen selection of the relevant disciplines in depth by means of primary and secondary texts, using original languages where appropriate, discussion with recognised experts in the disciplines, and interaction with fellow students. (3) To help students to make connections between different disciplines and to reflect creatively on the connections thus effected. (4) To encourage and extend students' powers of original thought and to afford a context for this in the form of discussion papers and dissertations using bibliographical resources. (5) To encourage the development of a range of generic and transferable skills such as willingness to learn, good communication skills, analytic ability, logical argument, the ability to summarise key issues, problem solving skills, and the ability to work well with others. (6) To encourage students to reflect on the ways in which both academic learning and generic skills relate to the wider society in which they live.

*Honours Course Prescription:* Four 30-credit courses drawn from Theology and Religious Studies honours courses

*Course Co-ordinator:* Dr Ward Blanton

#### **KXCW EARLY CHURCH HISTORY LEVEL 3**

*Credits:* 30 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Mondays: one two-hour session per week.

*Requirements of entry:* Admission to Level 3 of a General Degree and subject to prerequisite, or to Level 2 but subject to pre-requisite with pass at Grade C at least.

Open to General Degree students admitted to level 3 who have passed Christianity 1A (or approximate equivalent), or General Degree Level 2 students who have passed Christianity 1A with at least a Grade C pass.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To provide the means of acquiring a deeper knowledge and understanding of the development of Christianity in the religious, political and cultural worlds of Late Antiquity. To induct the class further into substantial, original documentary sources in English translation. To enable enhanced awareness of various historiographical and theological interpretations, past and present.

*Course Co-ordinator:* Prof William Hazlett

#### **JXHW OLD TESTAMENT/TANAKH TEXTS 3**

*Credits:* 30 *Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* Tuesdays 11am-1pm

*Requirements of entry:* Completion of courses in Theology & Religious Studies at Levels 1 and 2 at grade D or better, normally including at least one of Biblical Studies 1A or Biblical Studies 2A.

*Assessment:* One essay of 3000 words (40% weighting) Presentation of work in progress towards essay (10% weighting) End of course exam (3 hours) (50% weighting)

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To build on the general knowledge of the texts gained in Levels 1 and/or 2 To engage in close reading of selected texts from different divisions of Tanakh. To relate biblical texts to a variety of religious and secular contexts. To become familiar with a range of theoretical interpretative approaches to texts.

*Course Co-ordinator:* Dr Alastair Hunter

#### **KYPW PRACTICAL THEOLOGY LEVEL 3**

*Credits:* 30 *Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Generally one 2-hour lecture or reflection group per week of session. Occasional variations due to placement programme. Dates and times to be arranged.

*Requirements of entry:* Open to general degree students admissible to Level 3 of the programme who have passed

Christianity 1b (or appropriate equivalent as agreed with convener) at Grade C at least.

*Aims:* To critically consider significant areas of Christian practice (such as worship, homiletics and pastoral care) in the light of contemporary scholarship To assess a variety of models of Christian practice in order that students become more aware of the values, assumptions and traditions that shape their own understanding of Practical Theology To enable students to think reflexively about their own practice through employing such techniques as journaling, life writing and reflective group work

*Course Co-ordinator:* Dr Heather Walton

### **KXBW SUFISM LEVEL 3**

*Credits:* 30

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* Tuesdays: two hours per week.

*Requirements of entry:* Admission to Level 3 of a general degree and subject to prerequisite, or to Level 2 but subject to prerequisite with pass at Grade C at least.

Open to general degree students admitted to level 3 who have passed World Religions 1A (or approximate equivalent); or general degree level 2 students who have passed World Religions 1A with at least a Grade C pass.

*Degree Examination taken in:* April/May

*Resit Examination taken in:* August/September

*Aims:* To offer a history of Sufism from its origins to the present, showing its diversity in ritual and belief. Topics covered will include the formation of Sufism from various pietistic movements, Sufi theology, Sufism and gender, Sufism and power, and there will also be an examination of Sufism in the modern period covering Africa, the Middle East, the Indian sub-continent and Europe.

*Course Co-ordinator:* Dr Lloyd Ridgeon

### **4EXF THEOLOGY AND RELIGIOUS STUDIES 3H (JOINT) M.A.**

*Credits:* 60

*Level:* 3

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Two of Biblical Studies 1A and 1B, Theology and Church History 1A and 1B, Religious Studies 1A and 1B, plus two level 2 Divinity courses. All courses at average of grade D with at least one grade C.

*Assessment:* Four papers with course work (30%), 3 hour degree examinations (70%) for each OR three papers as above and a dissertation.

*Degree Examination taken in:* April/May

*Aims:* (1) To provide a wide-ranging core curriculum of courses in the disciplines associated with Theology and Religious Studies at Levels 1 and 2. (2) To enable students to pursue independent study of a chosen selection of the relevant disciplines in depth by means of primary and secondary texts, using original languages where appropriate, discussion with recognised experts in the disciplines, and interaction with fellow students. (3) To help students to make connections between different

disciplines and to reflect creatively on the connections thus effected. (4) To encourage and extend students' powers of original thought and to afford a context for this in the form of discussion papers and dissertations using bibliographical resources. (5) To encourage the development of a range of generic and transferable skills such as willingness to learn, good communication skills, analytic ability, logical argument, the ability to summarise key issues, problem solving skills, and the ability to work well with others. (6) To encourage students to reflect on the ways in which both academic learning and generic skills relate to the wider society in which they live.

### **1AHW WISDOM LITERATURE IN THE OLD TESTAMENT**

*Credits:* 30

*Level:* 3

*When Taught:* Semester 1 (September - December)

*Timetable:* One two hour session per week, plus tutorials

*Requirements of entry:* Grade D or better in at least one Level 1 and Level 2 course in Theology & Religious Studies, including at least one Biblical course.

*Co-requisites:* None

*Excluded Courses:* Level two versions of the wisdom course (including one in distance form).

*Assessment:* One 3,000 word essay (50% weighting) and one three-hour end of course examination (50% weighting)

*Degree Examination taken in:* December

*Resit Examination taken in:* August/September

*Aims:* To explore the definition of wisdom as literary genre and to discuss its significance for the interpretation of certain Old Testament traditions and texts

*Course Co-ordinator:* Dr Alastair Hunter

### **4FLJ DIVINITY (MINISTRY) HONOURS 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Religious Studies 1A and 1B; Biblical Studies 1A and 1B; Theology and Church History 1A and 1B; 40 Arts credits; three Level 2 Theology and Religious Studies courses. All courses at average of grade D with at least one grade C.

*Assessment:* Three pieces of course work 30%; One three hour degree examination 70%

*Degree Examination taken in:* April/May

*Aims:* (1) To provide a wide-ranging core curriculum of courses in the disciplines associated with Theology and Religious Studies at Levels 1 and 2. (2) To enable students to pursue independent study of a chosen selection of the relevant disciplines in depth by means of primary and secondary texts, using original languages where appropriate, discussion with recognised experts in the disciplines, and interaction with fellow students. (3) To help students to make connections between different disciplines and to reflect creatively on the connections

thus effected. (4) To encourage and extend students' powers of original thought and to afford a context for this in the form of discussion papers and dissertations using bibliographical resources. (5) To encourage the development of a range of generic and transferable skills such as willingness to learn, good communication skills, analytic ability, logical argument, the ability to summarise key issues, problem solving skills, and the ability to work well with others. (6) To encourage students to reflect on the ways in which both academic learning and generic skills relate to the wider society in which they live.

*Honours Course Prescription:* Two 30-credit courses drawn from Theology and Religious Studies honours courses. One 60-credit dissertation.

*Course Co-ordinator:* Dr Alastair Hunter

#### **4FKJ DIVINITY HONOURS 4H (SINGLE)**

*Credits:* 120

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Religious Studies 1A and 1B; Biblical Studies 1A and 1B; Theology and Church History 1A and 1B; 40 Arts Credits; three Level 2 Theology and Religious Studies courses. All courses at average of grade D with at least one grade C.

*Assessment:* Three pieces of course work 30%; One three hour degree examination 70%

*Degree Examination taken in:* April/May

*Aims:* (1) To provide a wide-ranging core curriculum of courses in the disciplines associated with Theology and Religious Studies at Levels 1 and 2. (2) To enable students to pursue independent study of a chosen selection of the relevant disciplines in depth by means of primary and secondary texts, using original languages where appropriate, discussion with recognised experts in the disciplines, and interaction with fellow students. (3) To help students to make connections between different disciplines and to reflect creatively on the connections thus effected. (4) To encourage and extend students' powers of original thought and to afford a context for this in the form of discussion papers and dissertations using bibliographical resources. (5) To encourage the development of a range of generic and transferable skills such as willingness to learn, good communication skills, analytic ability, logical argument, the ability to summarise key issues, problem solving skills, and the ability to work well with others. (6) To encourage students to reflect on the ways in which both academic learning and generic skills relate to the wider society in which they live.

*Honours Course Prescription:* Two 30-credit courses drawn from Theology and Religious Studies honours courses. One 60-credit dissertation.

*Course Co-ordinator:* Prof David Jasper

#### **4EXG THEOLOGY AND RELIGIOUS STUDIES 4H (JOINT) M.A.**

*Credits:* 60

*Level:* 4

*When Taught:* Full Session (September - March)

*Timetable:* To be advised

*Requirements of entry:* Two of Biblical Studies 1A and 1B, Theology and Church History 1A and 1B, Religious Studies 1A and 1B, plus two level 2 Divinity courses. All courses at average of grade D with at least one grade C.

*Assessment:* Four papers with course work (30%), 3 hour degree examinations (70%) for each OR three papers as above and a dissertation.

*Degree Examination taken in:* April/May

*Aims:* (1) To provide a wide-ranging core curriculum of courses in the disciplines associated with Theology and Religious Studies at Levels 1 and 2. (2) To enable students to pursue independent study of a chosen selection of the relevant disciplines in depth by means of primary and secondary texts, using original languages where appropriate, discussion with recognised experts in the disciplines, and interaction with fellow students. (3) To help students to make connections between different disciplines and to reflect creatively on the connections thus effected. (4) To encourage and extend students' powers of original thought and to afford a context for this in the form of discussion papers and dissertations using bibliographical resources. (5) To encourage the development of a range of generic and transferable skills such as willingness to learn, good communication skills, analytic ability, logical argument, the ability to summarise key issues, problem solving skills, and the ability to work well with others. (6) To encourage students to reflect on the ways in which both academic learning and generic skills relate to the wider society in which they live.

## Faculty course lists - courses available for degree programmes

The Faculty course lists below give information on courses available for particular degree programmes within those Faculties. Please note that not all Faculties covered by this Catalogue are included in this section. If you require further information, please contact the relevant Faculty Office.

### Courses available in the Faculty of Arts

#### Designated MA Degrees

*NB:* from time to time, appropriate subjects or courses may be added to those listed as forming the core in each of the degrees below.

Credit-bearing courses from the Department of Adult & Continuing Education may form part of the core of designated degrees as appropriate, e.g. the Popular Music courses 0QC7 and 0QD7 contribute to the core of the Creative & Cultural Studies degree. Students should consult the Chief Adviser of Studies for further information.

#### MA (Ancient Studies)

*The MA (Ancient Studies) aims to enhance students' cultural and historical awareness through the pursuit of studies in a variety of disciplines focused on the ancient civilisations of Europe and the Near East.*

The core subjects for this degree are:

Archaeology  
Civil Law  
Classical Civilisation (Classics)  
Greek (Classical)  
Humanities Computing (up to 2 courses)  
Latin (Humanity)  
Biblical Studies  
Biblical Texts  
Christianity (Level 1 only)  
Classical Hebrew Language  
New Testament Greek  
World Religions 2C (Hinduism)

#### MA (Creative & Cultural Studies)

*The MA (Creative & Cultural Studies) aims to enable students to develop their understanding and appreciation of the performing/visual arts within a broad cultural context.*

The core subjects for this degree are:

Creative Writing (Level 3)  
Film & Television Studies  
History of Art  
Humanities Computing (up to 2 courses)  
Music  
Space, Cyberspace & the Self 3  
Theatre Studies

#### MA (European Civilisation)

*The MA (European Civilisation) aims to enable students to explore the cultural heritage of Modern Europe through selecting courses drawn from a wide variety of disciplines, linked by their common European context.*

The core subjects for this degree are:

Archaeology  
Celtic Civilisation  
Classical Civilisation (Classics)  
Comparative Literature  
Consciousness & Cognition 3  
Creative Writing (Level 3)  
Education  
Film & Television Studies (specified courses)  
History subjects  
History of Art  
Humanities Computing  
Languages (40 credits in one language other than English are compulsory)  
Music  
Literature subjects  
Philosophy  
Slavonic Studies  
Space, Cyberspace & the Self 3  
Theatre Studies  
The Art of Persuasion L3  
Biblical Studies  
Biblical Texts  
Christianity  
Classical Hebrew Language  
New Testament Greek  
World Religions 1A (Judaism, Christianity & Islam) and World Religions 2A (Islam)

The core curriculum for this degree must include (i) at least 40 credits in a language other than English or English Language level 2 (ii) Philosophy and (iii) a subject from the above list which is not a language or Philosophy; the core curriculum must not consist solely of languages and philosophy.

#### MA (Historical Studies)

*The MA (Historical Studies) aims to enable students to pursue a broadly based programme of historical study incorporating topics from a wide range of countries and periods.*

The core subjects for this degree are:

Archaeology  
Celtic Civilisation  
Civil Law  
Classical Civilisation (Classics)  
Economic & Social History  
History of Art  
History Subjects  
Humanities Computing (up to 2 courses)  
Scottish History  
Biblical Studies  
Biblical Texts  
Christianity  
World Religions

At least 80 credits in this degree must be History courses which means in this case Archaeology or



Economic & Social History or one of a selection of courses in Medieval, Early Modern, Modern, American and Scottish History.

### MA (Linguistic Studies)

*The MA (Linguistic Studies) aims to enable students to develop their knowledge of language and their awareness of linguistic and related cultural issues by following a programme which combines the study of a number of different languages.*

The core subjects for this degree are:

Czech  
Gaelic  
English Language  
French  
German  
Greek (Classical)  
Italian  
Latin (Humanity)  
Polish  
Portuguese  
Russian  
Spanish  
Biblical Texts 2A (OT - Hebrew) and Biblical Texts 2B (NT - Greek)  
Classical Hebrew Language  
New Testament Greek

Courses from the core must include at least two and not more than three languages other than English. However, in the case of a student whose native language is not English, English Language may count towards fulfilment of this requirement.

### MA (Literary Studies)

*The MA (Literary Studies) gives students the opportunity to develop their understanding of literature by studying works which may be drawn from a range of national cultures.*

The core subjects for this degree are:

English Language  
English Literature  
Celtic Civilisation  
Classical Civilisation (Classics)  
Comparative Literature  
Creative Writing (Level 3)  
Humanities Computing (up to 2 courses)  
Language courses which include the study of literature  
Scottish Literature  
Slavonic Studies  
The Art of Persuasion L3  
Biblical Studies  
Biblical Texts  
Classical Hebrew Language  
New Testament Greek

### MA (Philosophical Studies)

*The MA (Philosophical Studies) aims to enhance students' awareness of philosophical issues and of their relevance to other disciplines and areas of life.*

The core subjects for this degree are:

Consciousness & Cognition 3  
Education  
Jurisprudence  
Philosophy  
Politics  
Psychology  
Space, Cyberspace & the Self 3  
Biblical Studies  
Biblical Texts  
Christianity  
World Religions

Courses from the core must include at least 80 credits in Philosophy, at least 20 credits of which must be at least at level two. The Level 3 courses in Consciousness and Cognition and Space, Cyberspace & the Self in this case are considered as Philosophy core courses.

### MA (Scottish Studies)

*The MA (Scottish Studies) aims to enable students to enhance their cultural awareness by studying the history, language and civilisation of Scotland, past and present.*

The core subjects for this degree are:

Archaeology of Scotland  
Celtic Civilisation  
English Language 2  
Gaelic  
History 3: Region, Nation, Culture - Scotland and Northern Europe from the 10th to the 20th centuries  
Scottish History  
Scottish Literature  
Christianity 2A (Church in Scotland) and Christianity 2C (Church, Ministry & Worship)

## Schedules A and B for the BD and BD(Min) degrees

### Schedule A

#### Level 1

Hebrew 1  
NT Greek 1  
Biblical Studies 1A: Old Testament  
Biblical Studies 1B: New Testament  
Christianity 1A: Church History  
Christianity 1B: Theology  
World Religions 1A: Judaism, Christianity, Islam  
World Religions 1B: Eastern Religions

#### Level 2

Biblical Studies 2A: OT/Tanakh (English)  
Biblical Studies 2A: OT/Tanakh (Hebrew)  
Biblical Studies 2B: NT Text (English)  
Biblical Studies 2B: NT Text (Greek)  
Christianity 2A: Church in Scotland  
Christianity 2B: Theology & Ethics  
Christianity 2C: Church, Ministry & Sacraments  
World Religions 2A: Islam  
World Religions 2B: Buddhism

### Level 3

Judaism 3  
Old Testament Texts (English)  
Feminist Biblical Interpretation  
Early Church History  
Practical Theology  
30 credit Dissertation (level 3)  
60 credit Dissertation (General)

### Schedule B

Biblical Studies 1A: Old Testament/Tanakh (8WUFU)  
Biblical Studies 1B: New Testament (0HTU)  
Christianity 1A: Church History (9GPU)  
Christianity 1B: Theology (9GRU)  
World Religions 1A: Judaism, Christianity & Islam (8VCU)  
World Religions 1B: Eastern Religions (8VDU)

## Courses Available in the Faculties of Science

The courses available in the Faculties of Science in session 2008-2009 are listed below, together with the level at which each course is offered and the number of credits which each course is worth.

Further details of each course are given in this Catalogue, under departmental entries, including a description of the syllabus, the course code for matriculation purposes, the name of the organising department(s), the course timetable, the methods of assessment and any pre-requisites or co-requisites or other conditions of entry.

### Anatomy

Anatomy 3H (Level: 3H; Credits: 120)  
Anatomy 4H (Level: 4H; Credits: 120)  
Anatomy Work Placement Year (Credits: 120)  
Anatomy (Level: 4M; Credits: 120)

### Animal Biology

Animal Biology 3 (Level: 3; Credits: 120)

### Applied Mathematics

See under *Mathematics*

### Archaeology

Archaeology 1X Introduction to Archaeological Practice (Level: 1; Credits: 20)  
Archaeology 1Y The Archaeology of Scotland (Level: 1; Credits: 20)

Archaeology 1Z Archaeology in Contemporary Society (Level: 1; Credits: 20)  
Archaeology 2G Field Archaeology in Theory & Practice (Level: 2; Credits: 20)  
Archaeology 2H Analytical Archaeology (Level: 2; Credits: 20)  
Archaeology 2J Archaeology of Europe & the Mediterranean (Level: 2; Credits: 20)  
Archaeological Studies 3 (Level: 3; Credits: 80)  
Archaeology 3H (Single) (Level: 3H; Credits: 120)  
Archaeology 4H (Single) (Level: 4H; Credits: 120)  
Archaeology 3H (Combined) (Level: 3H; Credits: 60)  
Archaeology 4H (Combined) (Level: 4H; Credits: 60)

### Astronomy

Astronomy 1 (Level: 1; Credits: 40)  
Astronomy 2 (Level: 2; Credits: 30)  
Astronomy 3P (Level: 3; Credits: 60)  
Astronomy 3H (Combined) (Level: 3H; Credits: 60)  
Astronomy 4H (Combined) (Level: 4H; Credits: 60)  
Astronomy 3M (Combined) (Level: 3M; Credits: 75)  
Astronomy 4M (Combined) (Level: 4M; Credits: 75)  
Astronomy 3M\* (Combined) (Level: 3M; Credits: 80)  
Exploring the Cosmos 1X (Level: 1; Credits: 20)  
Exploring the Cosmos 1Y (Level: 1; Credits: 20)  
Exploring the Cosmos 2X (Level: 2; Credits: 10)  
Exploring the Cosmos 2Y (Level: 2; Credits: 10)

### Biochemistry

Biochemistry 3H (Level: 3H; Credits: 120)  
Biochemistry 4H (Level: 4H; Credits: 120)  
Biochemistry Work Placement Year (Credits: 120)  
Biochemistry 4M (Level: 4M; Credits: 120)

### Biomedical & Life Sciences

Biology 1A (Level: 1; Credits: 20)  
Biology 1B (Level: 1; Credits: 20)  
Communicating Science (Level: 1; Credits: 20)  
*Level 2 Courses: Full Session*  
1c Ecology & Conservation 2 (Level: 2; Credits: 20)  
2c Microbiology 2 (Level: 2; Credits: 20)  
3c Molecules of Life 2 (Level: 2; Credits: 20)  
*Level 2 Courses: First Semester*  
1a Basic Genetics 2 (Level: 2; Credits: 10)  
2a Forensic Bioscience 2 (Level: 2; Credits: 10)  
3a Human Physiology 2 (Level: 2; Credits: 10)  
4a Animal Diversity 2 (Level: 2; Credits: 10)  
7a Human Form & Function 2 (Level: 2; Credits: 10)  
10a Building an Organism: Genes, Cells & Development 2 (Level: 2; Credits: 10)  
11a Biological Clocks 2 (Level: 2; Credits: 10)  
12a Plants, Pollution & Global Change 2 (Level: 2; Credits: 10)  
13a Immunology 2 (Level: 2; Credits: 10)  
14a Energy Metabolism 2 (Level: 2; Credits: 10)  
*Level 2 Courses: Second Semester*  
1b Molecular Genetics 2 (Level: 2; Credits: 10)  
2b Evolutionary Biology 2 (Level: 2; Credits: 10)

3b Infection & Immunity 2 (Level: 2; Credits: 10)  
 5b Plant Science: Food & Famine 2 (Level: 2; Credits: 10)  
 6b Energy Metabolism 2 (Level: 2; Credits: 10)  
 7b Drugs & Disease 2 (Level: 2; Credits: 10)  
 8b Cells & Tissues in Health & Disease 2 (Level: 2; Credits: 10)  
 9b Reproduction & Development 2 (Level: 2; Credits: 10)  
 10b Neuroscience & Behaviour 2 (Level: 2; Credits: 10)  
 14b Biometrics 2 (Level: 2; Credits: 10)  
 15b Extreme Biology 2 (Level: 2; Credits: 10)  
 16b Physical Principles of Biological Processes 2 (Level: 2; Credits: 10)  
 18b Exercise Science 2 (Level: 2; Credits: 10)

### Level 3

Essential Molecular Biology 3 <sup>1</sup> (Level: 3; Credits: 60)

## Biomedical Sciences

Biomedical Sciences 3H (Level: 3H; Credits: 120)  
 Biomedical Sciences 4H (Level: 4H; Credits: 120)  
 Biomedical Sciences Work Placement Year (Credits: 120)  
 Biomedical Sciences 4M (Level: 4M; Credits: 120)

## Biomolecular Sciences

Biomolecular Sciences 3 (Biochemistry) (Level: 3; Credits: 120)  
 Biomolecular Sciences 3 (Genetics) (Level: 3; Credits: 120)  
 Biomolecular Sciences 3 (Molecular & Cellular Biology) (Level: 3; Credits: 120)

## Biotechnology

Biotechnology 3H (Level: 3H; Credits: 120)  
 Biotechnology 4H (Level: 4H; Credits: 120)  
 Biotechnology Work Placement Year (Credits: 120)  
 Biotechnology 4M (Level: 4M; Credits: 120)

## Chemical Physics

Chemical Physics 3 (Level: 3; Credits: 120)  
 Chemical Physics 3H (Level: 3H; Credits: 120)  
 Chemical Physics 4H (Level: 4H; Credits: 120)  
 Chemical Physics 3M (Level: 3M; Credits: 120)  
 Chemical Physics 4M (Level: 4M; Credits: 150)  
 Chemical Physics 3M\* (Level: 3M; Credits: 160)  
 Chemical Physics Work Placement Year (Credits: 120)

## Chemistry

Chemistry 1 (Level: 1; Credits: 40)  
 Chemistry 2X (Level: 2; Credits: 30)  
 Chemistry 2Y (Level: 2; Credits: 30)

<sup>1</sup>available only to students taking a combined designated degree in Biology and Chemistry

Environmental Chemistry 2A (Level: 2; Credits: 30)  
 Environmental Chemistry 2B (Level: 2; Credits: 30)  
 Chemistry 3 (Level: 3; Credits: 120)  
 Chemistry 3H (Single) (Level: 3H; Credits: 120)  
 Chemistry 4H (Single) (Level: 4H; Credits: 120)  
 Chemistry 3H (Combined) (Level: 3H; Credits: 60)  
 Chemistry 4H (Combined) (Level: 4H; Credits: 60)  
 Chemistry 3M (Single) (Level: 3M; Credits: 140)  
 Chemistry 3M (Combined) (Level: 3M; Credits: 60)  
 Chemistry Work Placement Year (Credits: 120)  
 Chemistry European Placement Year (Credits: 120)  
 Chemistry 4M (Single) (Level: 4M; Credits: 160)  
 Chemistry 4M (Combined) (Level: 4M; Credits: 60)  
 Chemistry 5M (Combined) (Level: 5M; Credits: 60)  
 Chemistry with Forensic Studies 3 (Level: 3; Credits: 120)  
 Chemistry with Forensic Studies 3H (Level: 3H; Credits: 120)  
 Chemistry with Forensic Studies 3M (Level: 3M; Credits: 140)  
 Chemistry with Medicinal Chemistry 3 (Level: 3; Credits: 120)  
 Chemistry with Medicinal Chemistry 3H (Level: 3H; Credits: 120)  
 Chemistry with Medicinal Chemistry 4H (Level: 4H; Credits: 120)  
 Chemistry with Medicinal Chemistry 3M (Level: 3M; Credits: 140)  
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 Chemistry with Medicinal Chemistry European Placement Year (Credits: 120)  
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 Environmental Chemistry 3 (Level: 3; Credits: 120)  
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 Environmental Chemistry 4H (Level: 4H; Credits: 120)  
 Environmental Chemistry 4M (Level: 4M; Credits: 120)  
 Environmental Chemistry Work Placement Year (Credits: 120)

## Chemistry with Medicinal Chemistry

See under *Chemistry*

## Computing Science

Computing Science 1P Programming (Level: 1; Credits: 20)  
 Computing Science 1Q Fundamentals (Level: 1; Credits: 20)  
 Computing Science 2P Java Programming 2 (Level: 2; Credits: 10)  
 Computing Science 2R Algorithmic Foundation 2 (Level: 2; Credits: 10)  
 Computing Science 2T Computer Systems 2 (Level: 2; Credits: 10)  
 Computing Science 2U Information Management 2 (Level: 2; Credits: 10)  
 Computing Science 2X Algorithms & Data Structures 2 (Level: 2; Credits: 10)  
 Computing Science 2Y Object-oriented Software

Engineering 2 (Level: 2; Credits: 10)  
 Computing Science 3P Algorithmics (Level: 3; Credits: 10)  
 Computing Science 3Q Advanced Programming (Level: 3; Credits: 10)  
 Computing Science 3S Operating Systems (Level: 3; Credits: 10)  
 Computing Science 3T Networked Systems Architecture (Level: 3; Credits: 10)  
 Computing Science 3U Database Systems (Level: 3; Credits: 10)  
 Computing Science 3W Interactive Systems (Level: 3; Credits: 10)  
 Computing Science 3X Professional Software Development (Level: 3; Credits: 20)  
 Computing Science 3Y Team Project (Level: 3; Credits: 20)  
 Computing Science 3Z Programming Languages (Level: 3; Credits: 10)  
 Computing Science C (Level: 3; Credits: 10)  
 Computing Science C3 for ESE (Level: 3)  
 Computing Science 3 Software Engineering Work Placement (Credits: 10)  
 Computing Science 3H (Single) (Level: 3H; Credits: 120)  
 Computing Science 4H (Single) (Level: 4H; Credits: 120)  
 Computing Science 3H (Combined) (Level: 3H; Credits: 60)  
 Computing Science 4H (Combined) (Level: 4H; Credits: 60)  
 Computing Science 4M (Single) (Level: 4M; Credits: 120)  
 Computing Science 5M (Single) (Level: 5M; Credits: 130)  
 Computing Science 4M (Combined) (Level: 4M; Credits: 60)  
 Computing Science 5M (Combined) (Level: 5M; Credits: 60)

See also *Mathematical Sciences*

## Earth Science

Earth Science 1X: Introduction to the Earth: Minerals, Rocks, Structures 1 (Level: 1; Credits: 20)  
 Earth Science 1Y: Evolution of the Earth: Life & Environments 1 (Level: 1; Credits: 20)  
 Earth Science 2P The Solid Earth (Level: 2; Credits: 20)  
 Earth Science 2Q Palaeobiology (Level: 2; Credits: 10)  
 Earth Science 2R Sediments & Stratigraphy (Level: 2; Credits: 10)  
 Earth Science 2U Structure Maps & Exploration (Level: 2; Credits: 20)  
 Earth Science 3E (Level: 3; Credits: 120)  
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 Earth Science 4H (Single) (Level: 4H; Credits: 120)  
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 Earth Science 4H (Combined) (Level: 4H; Credits: 60)

## Electronic Engineering

Electronic Engineering 1X (Level: 1; Credits: 20)  
 Electronic Engineering 1Y (Level: 1; Credits: 20)  
 Analogue Electronics 2 (Level: 2; Credits: 10)  
 Digital Electronics 2 (Level: 2; Credits: 10)  
 Electrical Circuits 2 (Level: 2; Credits: 10)  
 Electronic Design Project 2 (Level: 2; Credits: 10)  
 Embedded Processors 2 (Level: 2; Credits: 10)

## Electronic & Software Engineering

Electronic & Software Engineering 3H (Level: 3H; Credits: 120)  
 Electronic & Software Engineering 4H (Level: 4H; Credits: 120)

## Environmental Biogeochemistry

Environmental Biogeochemistry 3H (Level: 3H; Credits: 120)  
 Environmental Biogeochemistry 4H (Level: 4H; Credits: 120)

## Environmental Chemistry

See under *Chemistry*

## Environmental Science

Environmental Science 1 (Level: 1; Credits: 40)

## Exploring the Cosmos

See under *Astronomy*

## Genetics

Genetics 3H (Level: 3H; Credits: 120)  
 Genetics 4H (Level: 4H; Credits: 120)  
 Genetics Work Placement Year (Credits: 120)  
 Genetics 4M (Level: 4M; Credits: 120)

## Geography

Geography 1 (Level: 1; Credits: 40)  
 Geography 2 (Level: 2; Credits: 60)  
 Geography 3B (Level: 3; Credits: 90)  
 Geography 3C (Level: 3; Credits: 120)  
 Geography 3H (Single) (Level: 3H; Credits: 120)  
 Geography 4H (Single) (Level: 4H; Credits: 120)  
 Geography 3H (Combined) (Level: 3H; Credits: 60)  
 Geography 4H (Combined) (Level: 4H; Credits: 60)

**Human Biology**

Human Biology 3 (Neurosciences) (Level: 3; Credits: 120)

Human Biology 3 (Physiology) (Level: 3; Credits: 120)

**Immunology**

Immunology 3H (Level: 3H; Credits: 120)

Immunology 4H (Level: 4H; Credits: 120)

Immunology Work Placement Year (Credits: 120)

Immunology 4M (Level: 4M; Credits: 120)

**Infection Biology**

Infection Biology 3 (Level: 3; Credits: 120)

**Marine & Freshwater Biology**

Marine & Freshwater Biology 3H (Level: 3H; Credits: 120)

Marine & Freshwater Biology 4H (Level: 4H; Credits: 120)

Marine & Freshwater Biology Work Placement Year (Credits: 120)

Marine & Freshwater Biology 4M (Level: 4M; Credits: 120)

**Mathematical Sciences**

Mathematical Sciences 3H (Level: 3H; Credits: 120)

Mathematical Sciences 4H (Level: 4H; Credits: 120)

**Mathematics**

Mathematics Skills Test (Level: 1; Credits: 0)

Mathematics 1R (Level: 1; Credits: 20)

Mathematics 1S (Level: 1; Credits: 20)

Mathematics 1T (Level: 1; Credits: 20)

Mathematics 1X (Level: 1; Credits: 20)

Mathematics 1Y (Level: 1; Credits: 20)

Mathematics 2A Multivariable Calculus (Level: 2; Credits: 10)

Mathematics 2B Linear Algebra (Level: 2; Credits: 10)

Mathematics 2C Topics in Applied Maths (Level: 2; Credits: 10)

Mathematics 2D Topics in Linear Algebra & Calculus (Level: 2; Credits: 10)

Mathematics 2E Introduction to Real Analysis (Level: 2; Credits: 10)

Mathematics 2F Foundations of Pure Mathematics (Level: 2; Credits: 10)

Mathematics 2P Graphs & Networks (Level: 2; Credits: 10)

Mathematics 2L Linear Modelling (Level: 2; Credits: 10)

Mathematics 2M Financial Modelling (Level: 2; Credits: 10)

Mathematics 2N Number Theory & Cryptography

(Level: 2; Credits: 10)

Mathematics 3P Real & Complex Variables (Level: 3; Credits: 20)

Mathematics 3Q Algebra & Number Theory (Level: 3; Credits: 20)

Mathematics 3R Finite Mathematics (Level: 3; Credits: 20)

Mathematics 3S Differential Equations (Level: 3; Credits: 20)

Mathematics 3H (Single) (Level: 3H; Credits: 120)

Mathematics 4H (Single) (Level: 4H; Credits: 120)

Mathematics 3H (Combined) (Level: 3H; Credits: 60)

Mathematics 4H (Combined) (Level: 4H; Credits: 60)

Mathematics 3M (Single) (Level: 3M; Credits: 120)

Mathematics 4M (Single) (Level: 4M; Credits: 120)

Mathematics 3M (Combined) (Level: 3M; Credits: 60)

Mathematics 4M (Combined) (Level: 4M; Credits: 60)

Applied Mathematics 3H (Single) (Level: 3H; Credits: 120)

Applied Mathematics 4H (Single) (Level: 4H; Credits: 120)

Applied Mathematics 3H (Combined) (Level: 3H; Credits: 60)

Applied Mathematics 4H (Combined) (Level: 4H; Credits: 60)

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Applied Mathematics 4M (Single) (Level: 4M; Credits: 120)

Applied Mathematics 3M (Combined) (Level: 3M; Credits: 60)

Applied Mathematics 4M (Combined) (Level: 4M; Credits: 60)

See also *Mathematical Sciences*

**Medical Biochemistry**

Medical Biochemistry 3H (Level: 3H; Credits: 120)

Medical Biochemistry 4H (Level: 4H; Credits: 120)

Medical Biochemistry Work Placement Year (Credits: 120)

Medical Biochemistry 4M (Level: 4M; Credits: 120)

**Microbiology**

Microbiology 3H (Level: 3H; Credits: 120)

Microbiology 4H (Level: 4H; Credits: 120)

Microbiology Work Placement Year (Credits: 120)

Microbiology 4M (Level: 4M; Credits: 120)

**Molecular & Cellular Biology**

Molecular & Cellular Biology 3H (Level: 3H; Credits: 120)

Molecular & Cellular Biology 4H (Level: 4H; Credits: 120)

Molecular & Cellular Biology Work Placement Year (Credits: 120)

Molecular & Cellular Biology 4M (Level: 4M; Credits: 120)

## Neuroscience

Neuroscience 3H (Level: 3H; Credits: 120)  
Neuroscience 4H (Level: 4H; Credits: 120)  
Neuroscience Work Placement Year (Credits: 120)  
Neuroscience 4M (Level: 4M; Credits: 120)

## Parasitology

Parasitology 3H (Level: 3H; Credits: 120)  
Parasitology 4H (Level: 4H; Credits: 120)  
Parasitology Work Placement Year (Credits: 120)  
Parasitology 4M (Level: 4M; Credits: 120)

## Pharmacology

Pharmacology 3H (Level: 3H; Credits: 120)  
Pharmacology 4H (Level: 4H; Credits: 120)  
Pharmacology Work Placement Year (Credits: 120)  
Pharmacology 4M (Level: 4M; Credits: 120)

## Physics

Physics 1 (Level: 1; Credits: 40)  
Physics 2 (Level: 2; Credits: 60)  
Physics 2T C Programming under Linux (Level: 2; Credits: 10)  
Physics 2U Laboratory Skills (Level: 2; Credits: 10)  
Physics 3P (Level: 3; Credits: 60)  
Physics 3Q (Level: 3; Credits: 80)  
Physics 3R (Level: 3; Credits: 120)  
Physics 3H (Single) (Level: 3H; Credits: 120)  
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Physics 4M (Combined) (Level: 4M; Credits: 60)  
Physics 5M (Combined) (Level: 5M; Credits: 60)

## Physics with Astrophysics

Physics with Astrophysics 3R (Level: 3; Credits: 120)  
Physics with Astrophysics 3H (Single) (Level: 3H; Credits: 120)  
Physics with Astrophysics 3M (Single) (Level: 3M; Credits: 120)  
Physics with Astrophysics 4M (Single) (Level: 4M; Credits: 120)  
Physics with Astrophysics 5M (Single) (Level: 5M; Credits: 120)

## Physiology

Physiology 3H (Single) (Level: 3H; Credits: 120)  
Physiology 4H (Single) (Level: 4H; Credits: 120)  
Physiology Work Placement Year (Credits: 120)

Physiology 4M (Level: 4M; Credits: 120)  
Physiology 3H (Combined) (Level: 3H; Credits: 60)  
Physiology 4H (Combined) (Level: 4H; Credits: 60)

## Physiology & Sports Science

Physiology & Sports Science 3H (Level: 3H; Credits: 120)  
Physiology & Sports Science 4H (Level: 4H; Credits: 120)  
Physiology & Sports Science Work Placement Year (Credits: 120)  
Physiology & Sports Science 4M (Level: 4M; Credits: 120)

## Physiology, Sports Science & Nutrition

Physiology, Sports Science & Nutrition 4H (Level: 4H; Credits: 120)

## Plant Science

Plant Science 3H (Level: 3H; Credits: 120)  
Plant Science 4H (Level: 4H; Credits: 120)  
Plant Science Work Placement Year (Credits: 120)  
Plant Science 4M (Level: 4M; Credits: 120)

## Psychology

Psychology 1A (Level: 1; Credits: 20)  
Psychology 1B (Level: 1; Credits: 20)  
Psychology 2A (Level: 2; Credits: 20)  
Psychology 2B (Level: 2; Credits: 20)  
Psychological Studies 3 (Level: 3; Credits: 80)  
Psychology 3H (Single) (Level: 3H; Credits: 120)  
Psychology 4H (Single) (Level: 4H; Credits: 120)  
Psychology 3H (Combined) (Level: 3H; Credits: 60)  
Psychology 4H (Combined) (Level: 4H; Credits: 60)

## Science Fundamentals

Science Fundamentals 1X (Level: 1; Credits: 20)  
Science Fundamentals 1Y (Level: 1; Credits: 20)

## Software Engineering

Software Engineering 3H (Level: 3H; Credits: 120)  
Software Engineering 4H (Level: 4H; Credits: 120)  
Software Engineering 5M (Level: 5M; Credits: 120)

## Sports Medicine

Sports Medicine 4H (Level: 4H; Credits: 120)

## Sports Science

Sports Science 3 (Level: 3; Credits: 120)

## Statistics

Statistics 1C Practical Statistics for Psychology, Social & Life Sciences (Level: 1; Credits: 40)

Statistics 1Y Probability & Statistical Methods (Level: 1; Credits: 20)

Statistics 1Z Design of Experiments, Analysis of Variance & Statistical Methods for Paired Data (Level: 1; Credits: 20)

Statistics 2R Probability (Level: 2; Credits: 10)

Statistics 2S Statistical Methods (Level: 2; Credits: 10)

Statistics 2X Probability & Likelihood (Level: 2; Credits: 10)

Statistics 2Y Regression Modelling (Level: 2; Credits: 10)

Statistics 2T Survey Methods & Data Analysis (Level: 2; Credits: 10)

Statistics 2Z Advanced Data Analysis (Level: 2; Credits: 10)

Statistical Studies 3 (Level: 3; Credits: 40)

Statistics 3H (Single) (Level: 3H; Credits: 120)

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Statistics 4H (Combined) (Level: 4H; Credits: 60)

Statistics 3M (Single) (Level: 3M; Credits: 120)

Statistics 4M (Single) (Level: 4M; Credits: 120)

Statistics 5M (Single) (Level: 5M; Credits: 120)

Statistics 3M (Combined)\* (Level: 3M; Credits: 60)

Statistics 4M (Combined)\* (Level: 4M; Credits: 60)

Statistics 5M (Combined) (Level: 5M; Credits: 60)

See also *Mathematical Sciences*

## Virology

Virology 3H (Level: 3H; Credits: 120)

Virology 4H (Level: 4H; Credits: 120)

Virology Work Placement Year (Credits: 120)

Virology 4M (Level: 4M; Credits: 120)

## Zoology

Zoology 3H (Single) (Level: 3H; Credits: 120)

Zoology 4H (Single) (Level: 4H; Credits: 120)

Zoology 3H (Combined) (Level: 3H; Credits: 60)

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