

# CAMBRIDGE UNIVERSITY REPORTER

No 6311

WEDNESDAY 5 JUNE 2013

VOL CXLIII No 34

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UNIVERSITY OF  
CAMBRIDGE

**NOTICES****Calendar**

8 June, *Saturday*. End of third quarter of Easter Term.  
 11 June, *Tuesday*. Discussion at 2 p.m. in the Council Room (see below).  
 14 June, *Friday*. Full Term ends.

**Discussions at 2 p.m.**

11 June  
 9 July

**Congregations**

18 June, *Tuesday at 2.45 p.m.* (Honorary Degrees)  
 27 June, *Thursday at 9.30 a.m.* (General Admission)  
 28 June, *Friday at 9.30 a.m.* (General Admission)  
 29 June, *Saturday at 9.30 a.m.* (General Admission)  
 20 July, *Saturday at 10 a.m.*

**Notice of a Discussion on Tuesday, 11 June 2013**

The Vice-Chancellor invites those qualified under the regulations for Discussions (*Statutes and Ordinances*, p. 107) to attend a Discussion in the Council Room, on Tuesday, 11 June 2013, at 2 p.m., for the discussion of:

1. Report of the Council, dated 20 May 2013, on the financial position and budget of the University, recommending allocations from the Chest for 2013–14 (*Reporter*, 6308, 2012–13, p. 555).
2. Report of the Council, dated 28 May 2013, on the Technical Review of the Statutes (*Reporter*, 6309, 2012–13, p. 579).

The Report published in this issue (p. 616) will be discussed on Tuesday, 9 July 2013.

**Notice of benefactions**

3 June 2013

The Vice-Chancellor gives notice that he has accepted with gratitude the following benefactions, of which both the capital and the income may be used:

- (i) a benefaction of US\$60,700 from Google Ireland, to support the research of Dr Richard Turner, University Lecturer in Computer Vision and Machine Learning at the Department of Engineering;
- (ii) a benefaction of £100,000 from The H. B. Allen Charitable Trust to support the development of new diagnostic tools for the early detection of oesophageal cancer at the University. The benefaction will be used to purchase equipment to further the research of Dr Rebecca Fitzgerald in the Department of Oncology.

**Ballot on Grace 1 of 22 May 2013: Notice of an amendment**

3 June 2013

The Vice-Chancellor gives notice that he has received a proposal for an amendment to Grace 1 of 22 May 2013 (*Reporter*, 6308, 2012–13, p. 576).

The Grace reads as follows:

That the recommendations in paragraph 8 of the Joint Report of the Council and the General Board, dated 6 and 18 March 2013, on IT infrastructure and support (*Reporter*, 6302, 2012–13, p. 418), as amended by the Council's Notice, dated 20 May 2013 (*Reporter*, 6308, 2012–13, p. 547), be approved.

The recommendations put forward by the Report read as follows:

With effect from 1 October 2013:

I. That the University Information Services be constituted as an institution under the supervision of the Council, replacing the University Computing Service and the Management Information Services Division of the University Offices and that the office of Director of Information Services be established; and that regulations for the University Information Services set out in Annex I to this Report be approved, the regulations for the University Computing Service rescinded, and references to the Management Information Services Division deleted from the regulations for the Unified Administrative Service (Staff of the University Offices).

II. That the Information Strategy and Services Syndicate be suppressed and replaced by an Information Services Committee, reporting jointly to the Council and the General Board, and that regulations for the Information Services Committee set out in Annex II to this Report be approved.

III. That two University Offices of Director be established, with responsibilities and duties to be determined by the Council, for Mr P. Dampier and Dr I. Lewis.

The amendments put forward by the Council's Notice dated 20 May 2013 read as follows:

1. That the date for the initial merger of UCS and MISD be 31 March 2014 or such later date as the Director of Information Services takes up post in the University.

2. That the Council and General Board establish with immediate effect an *ad hoc* appointment committee for the post of Director of Information Services modelled on the composition for the appointment committee proposed in the regulations for the University Information Services (Annex I of the Joint Report). For this *ad hoc* purpose, the three members to be appointed by the Information Services Committee would be appointed by the Council. The *ad hoc* appointment committee would advertise and embark on a full and open search without delay. This process will replace the arrangements set out in the Joint Report for appointing an interim Director but not for protecting the current offices held by Mr P. Dampier and Dr I. Lewis.

3. That the new governance and management arrangements, including the abolition of the ISSS and the establishment of the new Information Services Committee, be effective from the new date for the initial merger of UCS and MISD. Until that date, the existing governance arrangements will continue to be effective and the reporting lines of the Directors of UCS and MISD unchanged and as currently set out in the relevant Ordinances.

4. That the implementation group referred to in the Joint Report be established by the General Board and the Council under the leadership of a senior professor with significant experience and knowledge of academic computing and the provision of IT services. The implementation group will carry out the tasks assigned to it in the Joint Report and the other recommendations of the review panel, working closely with the two current Directors and, for a period to be agreed, with the Director of Information Services after that Director has taken up post.

### Amendment

The following amendment to the Grace has been proposed:

That Council's Grace 1 of 22 May 2013 be amended such that amendment 4 of the Council's Notice, dated 20 May 2013 (*Reporter*, 6308, 2012–13, p. 547), be replaced, in its entirety, with the following:

That the implementation group referred to in the Joint Report be established by a further Grace which shall determine its membership, remit and operating procedures.

This amendment was proposed by the following members of the Regent House:

A. I. Altaparmakov, <i>CHR</i>	R. Haynes	D. W. McBride
P. R. M. Badcock	E. W. Holberton, <i>G</i>	A. E. R. Moseley
C. P. Bartlet, <i>DAR</i>	S. J. Ison	J. W. Nairn
M. B. Beckles, <i>K</i>	C. J. Jardine, <i>K</i>	S. Page
K. J. Boddy, <i>F</i>	K. M. Jeary	C. Quy
R. L. C. Charles, <i>N</i>	M. A. Johnson, <i>CHU</i>	S. C. Rogers, <i>DOW</i>
S. M. Flood	J. P. King	A. D. Stone
L. T. Foot	F. E. R. Lahr	C. E. Thompson, <i>T</i>
R. C. Franklin	M. Leggatt	W. D. Trotter, <i>CAI</i>
J. L. Gluza, <i>CHU</i>	J. M. Line, <i>SE</i>	P. T. Warwick, <i>HO</i>
P. Gopal, <i>CHU</i>	M. V. Lucas-Smith	S. D. Wenham
N. J. Harwood	I. W. Mackey	

### Ballot timetable

The Council has considered the proposed amendment. A ballot has already been called by the Council on this Grace (*Reporter*, 6304, 2012–13, p. 468) and therefore a vote will be taken on this amendment in accordance with the timetable for that ballot.

## Election to the Nominating Committee for External Members of the Council: Notice

31 May 2013

The Vice-Chancellor announces that he has received the following nominations for election in accordance with the regulations for nomination of members of the Council in class (e) (External Members) (*Statutes and Ordinances*, p. 116) to serve as members of the Nominating Committee, and that it has been certified to him that each candidate has consented to be so nominated in the class shown:

*Class (c): one current member of Council in class (a), (b), or (c)*

Dr REBECCA JULIE LINGWOOD, *HO*, nominated by Professor J. M. Rallison, *T*, and Professor H. Griffiths, *CL*

*Class (d): two members of the Senate*

Professor ANN PATRICIA DOWLING, *SID*, nominated by Professor J. M. Maciejowski, *PEM*, and Professor K. A. Steemers, *W*  
Professor DAVID JOHN IBBETSON, *CC*, nominated by Dr S. Palmer, *G*, and Dr J. M. Scherpe, *CAI*

No other candidates having been nominated, the Vice-Chancellor declares that the persons named above are duly elected in the classes shown above to serve as members of the Nominating Committee for four years from 1 October 2013.

## **First-stage Report of the Council on the construction of the Maxwell Centre on the West Cambridge site: Notice in response to remarks made in Discussion**

The Council has received the remarks made at the Discussion on 28 May 2013 (see p. 620) concerning the above Report (*Reporter*, 6306, 2012–13, p. 507) and is publishing a Grace (Grace 1, p. 617) for the approval of this Report.

## **First-Stage Report of the Council on the construction of a new annexe building for the Department of Engineering at Scroope Terrace: Notice in response to remarks made in Discussion**

The Council has received the remarks made at the Discussion on 28 May 2013 (see p. 620) concerning the above Report (*Reporter*, 6306, 2012–13, p. 509) and is publishing a Grace (Grace 2, p. 617) for the approval of this Report.

## **Senate-House Yard and the University Combination Room: Notice of closure on Tuesday, 18 June 2013**

Both the Yard and the Combination Room will be closed on 18 June 2013, on the occasion of the Honorary Degree Congregation. Access to the University Offices will be from Trinity Lane.

Only those with admission tickets for the Congregation and other authorized persons will be allowed to enter the Yard during the closure.

## **VACANCIES, APPOINTMENTS, ETC.**

### **Vacancies in the University**

A full list of current vacancies can be found at <http://www.jobs.cam.ac.uk/>.

**Reader in Cancer Risk Prediction in the Department of Public Health and Primary Care**; salary: £54,826; closing date: 1 July 2013; further particulars: <http://www.jobs.cam.ac.uk/job/1526/>; quote reference: SN01275

**Reader in Neuroradiology in the Department of Radiology**; salary: £54,826; closing date: 1 July 2013; further particulars: <http://www.jobs.cam.ac.uk/job/1530/>; quote reference: RQ01279

**Reader in Vasculitis in the Department of Medicine**; salary: £54,826; closing date: 1 July 2013; further particulars: <http://www.jobs.cam.ac.uk/job/1527/>; quote reference: RC01276

**University Lecturer / Honorary Consultant in Pain Medicine in the Division of Anaesthesia in the Department of Medicine**; salary: £74,504–£100,446; closing date: 1 July 2013; further particulars: <http://www.jobs.cam.ac.uk/job/1510/>; quote reference: RC01260

*The University values diversity and is committed to equality of opportunity.*

*The University has a responsibility to ensure that all employees are eligible to live and work in the UK.*

## **NOTICES BY THE GENERAL BOARD**

### **Chairmen of Examiners, Easter Term 2013: Correction**

The General Board announce the following changes to the list of Chairmen of Examiners and Senior Examiners for the examinations in Easter Term 2013 published by Notice on 15 May 2013 (*Reporter*, 6307, 2012–13, p. 519):

*Examination in African Studies for the degree of Master of Philosophy*: Dr R. Watson, *CL*.

*Examination in Applied Biological Anthropology for the degree of Master of Philosophy*: Dr P. Walsh; Dr J. Stock (Senior).

*Examination in Human Evolutionary Studies for the degree of Master of Philosophy*: Dr P. Walsh; Dr J. Stock (Senior).

*Examination in Latin American Studies for the degree of Master of Philosophy*: Dr C. Jones, *W*.

*Examination in Social Anthropology for the degree of Master of Philosophy*: Dr L. Howe, *DAR*.

*Natural Sciences Tripos, Part IA*:

*Physics*: Professor C. G. Smith (Senior).

*Natural Sciences Tripos, Part IB*: Dr N. J. Holmes, *T* (Assistant Chairman); Professor A. J. Morton, *N*.

*Natural Sciences Tripos, Part II:**Biological and Biomedical Sciences:* Professor W. Sutherland (Senior), *CTH*.*Materials Science:* Professor T. W. Clyne (Senior), *DOW*.*Natural Sciences Tripos, Part III:**Materials Science:* Dr P. Bristowe (Senior), *CL*.**External Examiners, Easter Term 2013: Correction**

The General Board announce the following changes to the list of External Examiners for examinations in Easter Term 2013 published by Notice on 15 May 2013 (*Reporter*, 6307, 2012–13, p. 524):

*Archaeological and Anthropological Tripos, Part I:* Dr J. Sofaer, *Southampton*; Dr C. Soligo, *UCL*; Dr B. Campbell, *Durham*.

*Archaeological and Anthropological Tripos, Part IIA and Part IIB:* Professor C. Haselgrove, *Leicester*; Professor P. Harvey, *Manchester*; Dr E. Rousham, *Loughborough*; Dr S. Semple, *Roehampton*.

*Examination in Applied Biological Anthropology for the degree of Master of Philosophy:* Dr L. Bishop, *Liverpool JMU*.

*Examination in Human Evolutionary Studies for the degree of Master of Philosophy:* Dr L. Bishop, *Liverpool JMU*.

*Examination in Archaeology for the degree of Master of Philosophy:* Professor C. Haselgrove, *Leicester*.

*Examination in Archaeological Research for the degree of Master of Philosophy:* Professor C. Haselgrove, *Leicester*.

*Examination in Assyriology for the degree of Master of Philosophy:* Dr A. Livingstone, *Birmingham*.

*Examination in Egyptology for the degree of Master of Philosophy:* Dr F. Hagen, *Copenhagen*.

*Examination in Politics for the degree of Master of Philosophy:* Dr B. Clift, *Warwick*.

*Examination in International Relations for the degree of Master of Philosophy:* Professor T. Farrell, *KCL*; Professor I. Parmar, *CUL*.

*Economics Tripos, Part IIA:* Mr S. H. Wright, *London* (Moderating).

*LL.M. Examination:* Professor R. Cryer, *Birmingham* (Moderating); Dr G. Loutzenhiser, *Oxford*.

*Master of Corporate Law:* Professor N. Moloney, *London* (Moderating).

*Law Tripos, Part IA:* Professor A. Le Sueur, *London* (Moderating).

*Law Tripos, Part IB:* Professor J. Herring, *Oxford* (Moderating).

*Law Tripos, Part II:* Professor G. W. Thomas, *London* (Moderating).

*Mathematical Tripos, Part IB:* Dr S. Willerton, *Sheffield* (Moderating).

*Natural Sciences Tripos, Part II and Part III:*

*Experimental and Theoretical Physics:* Professor A. J. Fisher, *London* (Moderating).

*Examination in Theology and Religious Studies for the degree of Master of Philosophy:* Professor R. Deines, *Nottingham* (Moderating); Dr C. Hamilton, *London* (Moderating); Dr M. A. Ludlow, *Exeter* (Moderating).

*Theological and Religious Studies Tripos, Part I, Part IIA, and Part IIB:* Professor C. Ram-Prasad, *Lancaster* (Moderating); Dr C. Williams, *Wales* (Moderating).

**REGULATIONS FOR EXAMINATIONS****Geographical Tripos, Part IB**

(*Statutes and Ordinances*, p. 336)

**With effect from 1 October 2013**

Regulation 18, Section A.

The essay previously included in the requirements for Paper 1 is replaced with course-work, the arrangements for the submission of which shall be published by the Faculty Board not later than the division of the Easter Term next preceding the examination.

**Natural Sciences Tripos, Part IB**

(*Statutes and Ordinances*, p. 398)

**With immediate effect**

Regulation 23(a)

The examinations for Physiology include a practical examination of one hour and twenty minutes' duration.

**NOTICES BY FACULTY BOARDS, ETC.****Archaeological and Anthropological Tripos, Parts IIA and IIB, 2013–14: Notice**

The Faculty Board of Human, Social, and Political Science give notice of the following papers which will be offered in Parts IIA and IIB of the Archaeological and Anthropological Tripos in the academical year 2013–14.

*Archaeology papers*

- A1. Archaeological thought I
- A2. Archaeology in action I
- A3. Archaeological thought II
- A4. Archaeology in action II
- A6. The Palaeolithic of the Old World
- A7. Topics in Palaeolithic archaeology
- A8. European prehistory
- A10. Archaeological practice
- A13. Aegean prehistory
- A14. The art of collecting
- A15. The poetics of Classical art
- A16. Roman cities
- A18. The historical archaeology of Ancient Egypt II
- A20. Ancient Egyptian religion II
- A21. Mesopotamian culture I: literature
- A24. Mesopotamian archaeology II: Territorial states to empires
- A25. Europe in the first millennium AD I: Anglo-Saxon archaeology
- A26. Europe in the first millennium AD II: Scandinavian archaeology
- A28. The archaeology of medieval Britain
- A31. Ancient India II: Early historic cities of South Asia
- A33. Ancient South America
- A36. The late prehistoric and historical archaeology of sub-Saharan Africa
- A37. Introduction to scientific approaches in archaeology
- A38. Archaeological science
- M1. Akkadian language II
- M2. Akkadian language III
- M3. Sumerian
- M5. Mesopotamian history II: empires and systems
- E1. Egyptian language II
- E2. Egyptian language III

*Biological Anthropology papers*

To be published at a later date.

*Social Anthropology papers*

- S1. Foundations of social anthropology I: Kinship and economics
- S2. Foundations of social anthropology II: Politics and religion
- S3. Theory, methods, and enquiry in social anthropology
- S4. Thought, belief, and ethics
- S5. Political economy and social transformations
- S6. Ethnographic areas:
  - a. Europe
  - b. Inner Asia
  - c. South Asia
- S7. Anthropology and development
- S8. Science and society
- S9. The anthropology of cities and space

## Geographical Tripos, Parts IB and II, 2014: Notice

### PART IB

The Faculty Board of Earth Sciences and Geography give notice that, for the examination for Part IB of the Geographical Tripos to be held in 2014, the Papers to be offered will be examined as shown in the table below. In this table, the following terms are defined:

*'Two+1 examination'*: The assessment of such papers will consist of a conventional two-hour examination in which candidates will be asked to attempt two questions from a choice of not less than six questions. The papers will be undivided. In addition, there will be assessed course-work to be submitted not later than the division of the Easter Term in the year of the examination. The nature of the course-work required will be determined by the University Teaching Officer responsible for the co-ordination of the course, who will provide written details of the procedures which will be followed. The course-work will be equivalent to one question in quantity and for assessment in determining an overall mark for the Paper.

<i>Paper Number</i>	<i>General titles</i>	<i>Courses offered 2013–14</i>	<i>Mode of assessment</i>
1	Living with global change	Core themes, ideas, and skills	Two+1 examination
2	Human geography I	Economic geography	Two+1 examination
3	Human geography II	Development theories, policies, and practices	Two+1 examination
4	Human geography III	Citizenship, cities, and civil society	Two+1 examination
5	Physical and environmental geography I	Biogeography	Two+1 examination
6	Physical and environmental geography II	Glacial processes	Two+1 examination
7	Physical and environmental geography III	Remote sensing and the climate systems	Two+1 examination

### PART II

The Faculty Board of Earth Sciences and Geography give notice that, for the examination for Part II of the Geographical Tripos to be held in 2014, the Papers to be offered will be examined as shown in the table below. In this table, the following terms are defined:

1. *'Three-hour examination'*: The papers will be examined by a conventional unseen three-hour examination in which candidates will be asked to attempt three questions from a choice of not less than nine questions. The papers will be undivided.

2. *'Two+1 examination'*: The assessment of such papers will consist of a two-hour examination in which candidates will be asked to attempt two questions from a choice of not less than six questions. The papers will be undivided. In addition, there will be assessed course-work to be submitted not later than the division of the Easter Term in the year of the examination. The nature of the course-work required will be determined by the University Teaching Officer responsible for the co-ordination of the course, who will provide written details of the procedures which will be followed. The course-work will be equivalent to one question in quantity and for assessment in determining an overall mark for the paper.

<i>Paper Number</i>	<i>General titles</i>	<i>Courses offered 2013–14</i>	<i>Mode of assessment</i>
1	A prescribed topic or topics in human geography I	Geographies of labour and work	Three-hour examination
2	A prescribed topic or topics in human geography II	Imagining Europe	Two+1 examination
3	A prescribed topic or topics in human geography III	The human geography of the Arctic regions	Two+1 examination
4	A prescribed topic or topics in human geography IV	Political ecology in the global South	Three-hour examination
5	A prescribed topic or topics in physical geography I	Modelling Earth's atmosphere	Two+1 examination
6	A prescribed topic or topics in physical geography II	Glacial environments	Three-hour examination
7	A prescribed topic or topics in physical geography III	Volcanology	Three-hour examination
8	A prescribed topic or topics in physical geography IV	Biogeography	Three-hour examination
9	A prescribed topic or topics in geography I	Biosedimentary coastal systems	Three-hour examination
10	A prescribed topic or topics in geography II	The social engagement with nature	Two+1 examination
11	A prescribed topic or topics in geography III	Changing cultures of risk	Three-hour examination
12	A prescribed topic or topics in geography IV	Geographies of discipline and social regulation	Three-hour examination

## History of Art Tripos, Parts IIA and IIB, 2013–14: Special Subjects

The Faculty Board of Architecture and History of Art give notice of the Special Subjects for the History of Art Tripos, 2013–14. The Board shall have the power of subsequently issuing amendments if they have due reason for doing so, and if they are satisfied that no student's preparation for the examination is adversely affected (*Statutes and Ordinances*, p. 346, Regulation 11(b)).

### *Paper 1. Approaches to the history of art, with reference to works of criticism (Part IIA)*

This paper investigates the ways in which art has been written about through its history. It examines the philosophical arguments of classical antiquity; religious debates about images in the Middle Ages; approaches to art and architecture in the Renaissance; the birth of aesthetics in Europe; and the emergence of the history of art as a discipline in the eighteenth and nineteenth centuries. The second half of the course is devoted to more recent developments: twentieth-century contributions to the discipline, such as formalism, iconography, and the New Art History; the influence of broader intellectual trends, such as Marxism, Feminism, Psychoanalysis, and Postmodernism; and the future of the history of art in a changing academic landscape.

### *Paper 2. The display of art (Part IIB)*

Spread over two terms, this course explores the relationship between art and its various publics through a study of the ways in which art is collected, displayed, and experienced. The Michaelmas Term ('The birth of the museum') will focus on the evolution of the Western art museum up to the end of the 19th century. The Lent Term ('The critique of the museum') will focus on the 20th century, examining the avant-gardes' radical challenge to the museum and the ways in which the institution changed in response to such critique.

### *Paper 3/4. Art in early medieval Europe*

The period of transition from Late Antiquity to the Middle Ages has traditionally been labelled as 'the Dark Ages'. Far from a gloomy picture of decline, more recent studies have stressed how we can actually perceive dynamic transformations and innovations of great relevance to today's changing times. This Special Subject explores as a case-study the reception of the Roman heritage in Anglo-Saxon England with the momentous changes that the advent of a new religion and social values brought with them. This artistic period will be studied in a wide context, and consider contacts with immediate neighbours in the Insular world (the Irish and the Picts – and the 'local' Romano-British), those on the Continent, and with the Mediterranean and Islamic world. Questions of continuity and change, patronage and experiment, the relationship between a text-based religion and images, travel, and the migration of ideas and sources will be investigated using a wealth of material: manuscripts, sculpture, metalwork, and architecture as well as the coinage of the time.

### *Paper 5/6. Romanesque: English art and architecture in the century after the Conquest*

This course considers the art and architecture produced in England during the century after 1066. The artists and builders of this period brought together a wealth of traditions and styles, of which a rich variety of examples remain in architecture, sculpture, ivory carving, wall painting, manuscript illumination, enamel, and metalwork. The course will explore this material in detail, both as art objects themselves and in their relationships to the developing intellectual, ethical, social, political, and devotional cultures of the time. It will examine the changing roles of patrons and artists, and the relationships between English art and architecture and that of the rest of the British Isles, Scandinavia, Byzantium, France, Germany, the Mediterranean, and the Levant. The later part of the course will address the early development of the English Gothic style in the third quarter of the twelfth century. Four classes will consider key texts pertaining to issues such as the relationships between art and thought, medieval aesthetics, and attitudes towards developments in style.

### *Paper 7/8. English Renaissance art and architecture*

The reigns of Elizabeth I and James I saw an unprecedented flourishing of the visual arts in England. In this era of political and religious instability, English artists and patrons experimented with new forms and motifs, forging a unique and idiosyncratic style. Yet this was an art full of contradictions: it revelled in a revived medieval chivalry while grappling enthusiastically with classicism, celebrated grandeur in the country house and royal portrait while embracing the intimacy of the portrait miniature. This Special Subject will examine the tensions and pluralism of English art ca. 1550–1625, paying close attention to the social and cultural contexts that framed and shaped it. We will study panel painting and limning, architecture, sculpture, printmaking, the luxury arts, and the court masque alongside the period developments in literature and theatre with which they were imbricated. The complexities and significance of gender (particularly under Elizabeth), religious confession, and courtly self-fashioning for the arts will be addressed. Throughout, English art's relationship to continental models – at the time and in subsequent historiography – will be critically assessed, as will its connection to the idea of Renaissance.

### *Paper 9/10. Dürer and his time*

A study of Dürer as a painter, an engraver, a draughtsman, and a theorist demonstrates his prevailing place in the Northern Renaissance. His travels and the impact of new ideas and forms on the development of his art are studied. This involves a comparative analysis of Italian and Northern trends. However, the principal aim is to show the place of Dürer's production within his social and cultural environment (humanist, popular, religious, etc.). This approach should allow an understanding not only of the artistic but also of the cultural aspects of Dürer's art.

### *Paper 11/12. Art and society in Renaissance Florence, c. 1400–1512*

Fifteenth-century Florence remains the locus classicus for Renaissance studies. The invention of pictorial perspective, Brunelleschi's dome, the patronage of the Medici, Botticelli's mythologies, and Michelangelo's David are central to



popular preconceptions of Renaissance art. But scholarship on Quattrocento Florence has comprehensively challenged Vasari's model of artistic progress, emphasizing artworks within their social and political contexts. Florence has become a historical laboratory for a wide spectrum of approaches, from Michael Baxandall's still seminal 'Period Eye' to anthropology and material culture. The Anglophone bibliography is significantly richer than for any other centre. This Special Subject exploits this extensive literature and reflects its diversity, combining the biographical treatment of key artists with thematic and contextual lectures. It addresses the totality of Florentine urban fabric and visual culture: not only painting, architecture and sculpture, but also furniture, goldsmith's work, and print. It presents students with competing explanations of artistic change and a range of different perspectives (artists, patrons, a broader Florentine public).

*Paper 13/14. The poetics and politics of Surrealism*

This course will cover the history of the Surrealist movement from its birth in Paris in 1924 to the dissolution of 'historical Surrealism' in 1969. It will focus on the developments of Surrealism during this fascinating period of French history and explore its revolutionary role in art, literature, and politics in France in the inter- and post-war years: from its birth in the aftermath of World War I, to its engagement with Marxism and psychoanalysis in the 1930s, to its exile in New York during World War II, to its post-war international exhibitions. Students will be encouraged to examine Surrealist art from a number of thematic perspectives – including desire, mythology, occultism, and utopianism, and to generally consider the relationship between Surrealist art and politics (gender, racial, and national) so that its successes and failures, and its legacy today, can be critically assessed.

*Paper 15/16. Painting and patronage in Imperial Russia*

From the reign of Peter the Great (1682–1725), artistic practice in Russia underwent a period of remarkably accelerated development, complementing the long-standing tradition of icon painting with a wealth of experimentation in secular art. At the same time, the country acquired art collections of international repute, thanks to the activities of patrons as ambitious as Catherine the Great. This course examines the vibrant visual culture which resulted, from the imposing portraits of the eighteenth-century court, to the iconoclastic antics of the pre-Revolutionary avant-garde. By focusing both on painters unfamiliar in the West and on works as canonical as Malevich's Black Square, the course will challenge standard interpretations of the modernist mainstream, and consider the role that Russia played in the wider development of Western European art.

*Paper 19/20. British architecture in the age of enlightenment, industry, and reform*

The century from c.1750 to c.1850 was one of almost unprecedented development in British architecture. New relationships with the ruined buildings of the ancient Graeco-Roman world emerged in response to the effects of the Grand Tour and of the incipient science of archaeology, while an indigenous antithesis was represented by surviving or revived Gothic forms. The ideologies of the Picturesque and of Romanticism incorporated both classicism and medievalism, as well as more exotic forms of architecture inspired by Britain's trading links with the Far East. This was also the period in which Britain emerged as the world's first industrial nation, leading not just to new building materials and building types but also to rapid expansion of cities. In this Special Subject, the architectural effects of changing political and social imperatives in the late eighteenth and early nineteenth centuries will be studied against the background of long-standing British traditions in building and landscape design.

*Paper 21/22. Painting in Britain: from Hogarth to Turner*

The course examines painting in Britain during a period of remarkable artistic and cultural change. It looks in particular at the relationship between painting and different forms of artistic display, performance, and self-promotion in the Georgian period, and offers close readings of individual practitioners and their works. The course begins with the emergence of William Hogarth as a leading figure within the mid-eighteenth-century British art world and looks in detail at his pictorial series, his portraits, and his conversation pieces. The course then moves on to investigate the emergence of a new 'Age of Exhibitions' during the 1760s and 1770s. This was a period dominated by the annual displays of contemporary painting held by such institutions as the Society of Artists and the Royal Academy, and by the portraiture produced by Joshua Reynolds and Thomas Gainsborough, whose works in the genre are studied in depth. The course then investigates the rise of the one-man exhibition in the 1780s and the 1790s, before exploring the reasons why landscape painting developed into such a crucial area of British painting at the turn of the eighteenth and nineteenth centuries. Painting in Britain will end with a study of the work, careers, and exhibition histories of two of the most ambitious landscape painters of the early nineteenth century, John Constable and J. M. W. Turner.

*Paper 23/24. Art since 1945: Modernism, Postmodernism, and after*

This course examines the major developments in the theory and practice of art from the late 1940s until the end of the 1990s, paying particular attention to the art of the 1960s and its legacy. The explosion of 1960s artistic innovations overturned formalist modernism and initiated debates about postmodernism which remain contested. While the emphasis of the course reflects the importance of American contributions to the development of postwar art it also treats important British, Western European, and Latin American practices. Particular emphasis is placed on the challenge to painting and sculpture mounted by the Neo-Avant-Garde and, most comprehensively, by Conceptual art. The collapse of medium-specific conventions continues to present a challenge for the definition of art up to the present day.

## Music Tripos, 2013–14: Amendment

The Faculty Board of Music give notice of an amendment to the papers and subjects offered for the Music Tripos in 2013–14, announced in their Notice of 22 May 2013 (*Reporter*, 6308, 2012–13, p. 554). The title of Paper 8 in Part IB has been amended, and the title of Paper 16 in Part II has now been specified.

### PART IB

#### NEW REGULATIONS

*Papers 7–12. Additional papers*

##### 8. Keyboard skills

Part IB, Paper 8, ‘Keyboard skills’ consists of a practical examination involving 30 minutes’ preparation time followed by a practical examination.

### PART II

#### OLD REGULATIONS

*Papers 8–17. Additional papers*

##### 16. Opera and the Metropolis: London and Paris, 1830–1900

This paper is examined by a three-hour written examination.

## Natural Sciences Tripos, Part III (Interdisciplinary papers), 2013–14: Notice

### PART III

The Committee of Management for the Natural Sciences Tripos give notice of the following additional interdisciplinary papers, which shall be included in the examination requirements of one or more subjects.

<i>Title of paper</i>	<i>Mode of assessment</i>	<i>May be offered in</i>
IDP1: Atmospheric chemistry and global change	One and a half hour written examination	Chemistry; Geological Sciences; Physics.
IDP2: The Earth system and climate change	One and a half hour written examination. Practical examination for Geological Science students only.	Chemistry; Geological Sciences; Physics.
IDP3: Materials, electronics, and renewable energy	One and a half hour written examination	Chemistry; Geological Sciences; Physics.

Notwithstanding the examination requirements set out in Regulation 36 of the Natural Sciences Tripos, the following amendments shall apply to candidates offering interdisciplinary papers:

#### PART III CHEMISTRY

Candidates may offer up to two of the interdisciplinary papers listed above, without restriction.

Candidates shall have less time to complete their other scheduled examination papers, such that, for each interdisciplinary paper offered:

- thirty minutes shall be taken away from the duration of Paper 1, and candidates for this paper will be required to answer one question fewer;
- forty-five minutes shall be taken away from the duration of Paper 3, and candidates will be required to answer one question fewer.

#### PART III GEOLOGICAL SCIENCES

Candidates may offer one or two of the interdisciplinary papers listed above. Such a decision may affect the time duration of Papers 2 and 3 taken by the candidate.

Paper 2A will be a two-hour written paper for candidates offering *one* of Papers IDP1, IDP2, and IDP3.

Paper 2B will be a one-hour written paper for candidates offering *two* of Papers IDP1, IDP2, and IDP3.

Paper 3 will be a three-hour written paper for candidates offering IDP2 only.

Paper 3A will be a two-hour written paper for candidates offering *one* of Papers IDP1 or IDP3 (also includes candidates offering Paper IDP2 together with Paper IDP1 or Paper IDP3).

Paper 3B will be a one-hour written paper for candidates offering *both* Papers IDP1 and IDP3.

Candidates offering Papers IDP1 (Atmospheric chemistry and global change) and/or IDP3 (Materials, electronics, and renewable energy) will also offer a literature review associated with each of these papers, of no more than 5,000 words.

The literature review will be on a topic which may be either proposed by the candidate and approved by the Head of Department, or chosen by the candidate from a list of approved topics announced by the Head of Department early in the Lent Term. The review shall be submitted to the Examiners not later than the first Wednesday of Full Easter Term.

### PART III PHYSICS

Candidates may offer up to three of the interdisciplinary papers listed above in place of the equivalent number of Minor Topics.

## Politics, Psychology, and Sociology Tripos, Part IIb, 2014–15: Notice

The Faculty Board of Human, Social, and Political Science give notice of the following papers which are offered, and those which are not offered, for Part IIb of the Politics, Psychology, and Sociology Tripos in the academical year 2014–15.

### POLITICS AND INTERNATIONAL STUDIES PAPERS

#### *Offered:*

- Pol. 6. Political philosophy and the history of political thought since *c.* 1890 (Historical Tripos, Part II, Paper 5)
- Pol. 7. A subject in politics and international studies II: The politics of the Middle East
- Pol. 8. A subject in politics and international studies III: The politics of Europe
- Pol. 9. A subject in politics and international studies IV: The politics of Africa
- Pol. 11. A subject in politics and international studies V: The politics of East Asia
- Pol. 12. A subject in politics and international studies VI: The politics of the international economy
- Pol. 13. Conceptual issues and texts in politics and international studies
- Pol. 15. The history of political thought *c.*1700 to *c.*1890 (Historical Tripos, Part II, Paper 4)

#### *Not offered:*

- Pol. 5. Conceptual issues in modern politics and international studies
- Pol. 10. A subject in politics and international studies VII
- Pol. 14. The history of political thought to *c.*1700 (Historical Tripos)

### PSYCHOLOGY WITHIN THE SOCIAL SCIENCES PAPERS

#### *Offered:*

- Psy. 4. Development and psychopathology
- Psy. 6. A subject in psychology II: Psychology and social issues
- Psy. 7. A subject in psychology III: Gender development: biological, psychological, and clinical perspectives

#### *Not offered:*

- Psy. 5. A subject in psychology I

### SOCIOLOGY PAPERS

#### *Offered:*

- Soc. 4. A subject in sociology I: Media, culture, and society
- Soc. 5. A subject in sociology II: Modern Britain
- Soc. 6. A subject in sociology III: Advanced social theory
- Soc. 7. A subject in sociology IV: The political economy of capitalism
- Soc. 8. Disciplines of Education III (Sociology of education) (Education Tripos, Part II)
- Soc. 9. A subject in sociology V: War, revolution, and militarism
- Soc. 10. A subject in sociology VI: Medicine, body, and society

### INTERDISCIPLINARY PAPERS

#### *Offered:*

- Int. 2. Inquiry and analysis II
- Int. 3. An interdisciplinary subject I: Gender
- Int. 6. Criminology, sentencing, and the penal system (Law Tripos, Part IIb)
- Int. 8. A specified subject in South Asian studies: History and politics of South Asia
- Int. 9. An interdisciplinary subject IV: The family
- Int. 10. An interdisciplinary subject V: Anthropology of Colonialism and Empire (subject to being offered on the Archaeological and Anthropological Tripos)

#### *Not offered:*

- Int. 4. An interdisciplinary subject II
- Int. 5. An interdisciplinary subject III
- Int. 7. Society, politics, and culture in Latin America

## Examination in Economics for the M.Phil. Degrees in Economics and in Economic Research, 2013–14: Notice

The Faculty Board of Economics and the Degree Committee for the Faculty of Economics give notice that in the academical year 2013–14 the subjects for examination will be as listed below.

### *Core modules*

- M 100. Microeconomics I
- M 200. Macroeconomics I
- M 300. Econometric methods

### *Advanced modules*

- M 110. Microeconomics II
- M 120. Topics in economic theory
- M 210. Macroeconomics II
- M 220. Macroeconomics III
- M 310. Time series
- M 320. Cross-section and panel data econometrics

### *Applied modules*

- M 130. Applied microeconomics
- M 230. Applied macroeconomics
- M 330. Applied econometrics

### *Specialist modules*

- M 140. Behavioural economics
- M 150. Economics of networks
- M 160. Political economy
- M 170. Industrial organization
- M 500. Development economics
- M 610. British industrialism
- F 300. Corporate finance
- F 400. Asset pricing
- F 500. Empirical finance
- F 510. International finance
- F 520. Behavioural finance

The method of examination for all modules will be by a two-hour written paper.

## Examination in Economics for the M.Phil. Degree in Finance and Economics, 2013–14: Notice

The Faculty Board of Economics and the Degree Committee for the Faculty of Economics give notice that in the academical year 2013–14 the subjects for examination will be as listed below.

### *Core modules*

- F 100. Finance I
- F 200. Finance II
- F 300. Corporate finance
- F 400. Asset pricing
- M 100. Microeconomics I
- M 300. Econometric methods

### *Specialist modules*

- F 500. Empirical finance
- F 510. International finance
- F 520. Behavioural finance
- F 530. Venture capital in the innovation economy
- F 540. Portfolio management
- M 110. Microeconomics II
- M 120. Topics in economic theory
- M 130. Applied microeconomics
- M 140. Behavioural economics
- M 200. Macroeconomics I
- M 310. Time series
- M 320. Cross-section and panel data econometrics

*Mathematical Tripos, Part III*

## Optimal investment

The method of examination for all modules will be by a two-hour written paper.

## **Examinations in Environmental Policy, in Planning, Growth, and Regeneration, in Real Estate Finance, and in Land Economy Research, for the M.Phil. Degree, 2013–14: Notice**

The Degree Committee for the Department of Land Economy give notice that the modules offered in the academical year 2013–14, together with module prerequisites, will be as outlined below.

The Committee reserves the right to withdraw modules if there is insufficient demand or in the event of exceptional circumstances. The availability of modules will be subject to timetabling constraints. Each candidate's course of study will be subject to the approval of the Degree Committee.

### ENVIRONMENTAL POLICY

In addition to completing a compulsory dissertation of no more than 12,000 words, candidates must take four modules in Michaelmas Term and four modules in Lent Term from the following:

#### *Core methodology module (mandatory)*

*either*

RM01. Quantitative research methods I (Michaelmas Term)

*or*

RM03. Mixed research methods (Michaelmas Term)

#### *Core modules (mandatory)*

EP02. Fundamentals of environmental economics (Michaelmas Term)

EP03. Fundamentals of international environmental law (Michaelmas Term)

#### *At least two from*

EP01. Environmental values (Michaelmas Term)

EP04. Environmental policy assessment and evaluation (Lent Term) [*Prerequisite: EP02*]

EP05. Advanced international environmental law (Lent Term) [*Prerequisite: EP03*]

EP06. Aspects of environmental policy-making (Lent Term)

EP08. Rural environment: property, planning, and policy (Lent Term)

EP09. Economic development and land use policies (Michaelmas Term)

EP10. Climate change policy and land development (Lent Term)

#### *Optional modules*

RM02. Quantitative research methods II (Lent Term) [*Prerequisite: RM01*]

PGR01. Urban and environmental planning I (Michaelmas Term)

PGR02. Issues in public policy and regeneration I (Michaelmas Term)

PGR05. Housing and regeneration (Lent Term)

PGR07. Spatial economics (Lent Term) [*Prerequisite: RE01 or PGR02 or EP02*]

PGR08. Institutions and development I (Michaelmas Term)

PGR09. Institutions and development II (Lent Term)

PGR10. Urban and environmental planning II (Lent Term)

RE01. Introduction to real estate finance (Michaelmas Term)

RE02. Real estate development (Lent Term)

RE03. Real estate securities, securitization, and investment (Lent Term) [*Prerequisite: RE01*]

RE04. Private real estate investment: risk and return (Lent Term) [*Prerequisite: RE01*]

RE05. Legal issues in land use and finance (Lent Term)

RE06. The macroeconomy and housing (Michaelmas Term)

### PLANNING, GROWTH, AND REGENERATION

In addition to completing a compulsory dissertation of no more than 12,000 words, candidates must take four modules in Michaelmas Term and four modules in Lent Term from the following:

#### *Core methodology module*

*either*

RM01. Quantitative research methods I (Michaelmas Term)

*or*

RM03. Mixed research methods (Michaelmas Term)

*Core modules (mandatory)*

- PGR01. Urban and environmental planning I (Michaelmas Term)
- PGR02. Issues in public policy and regeneration I (Michaelmas Term)
- PGR10. Urban and environmental planning II (Lent Term)
- RE02. Real estate development (Lent Term)

*Optional modules*

- RM02. Quantitative research methods II (Lent Term) [*Prerequisite: RM01*]
- PGR05. Housing and regeneration (Lent Term)
- PGR07. Spatial economics (Lent Term) [*Prerequisite: RE01 or PGR02 or EP02*]
- PGR08. Institutions and development I (Michaelmas Term)
- PGR09. Institutions and development II (Lent Term)
- EP01. Environmental values (Michaelmas Term)
- EP02. Fundamentals of environmental economics (Michaelmas Term)
- EP03. Fundamentals of international environmental law (Michaelmas Term)
- EP04. Environmental policy assessment and evaluation (Lent Term) [*Prerequisite: EP02*]
- EP05. Advanced international environmental law (Lent Term) [*Prerequisite: EP03*]
- EP06. Aspects of environmental policy-making (Lent Term)
- EP08. Rural environment: property, planning, and policy (Lent Term)
- EP09. Economic development and land use policies (Michaelmas Term)
- EP10. Climate change policy and land development (Lent Term)
- RE01. Introduction to real estate finance (Michaelmas Term)
- RE03. Real estate securities, securitization, and investment (Lent Term) [*Prerequisite: RE01*]
- RE04. Private real estate investment: risk and return (Lent Term) [*Prerequisite: RE01*]
- RE05. Legal issues in land use and finance (Lent Term)
- RE06. The macroeconomy and housing (Michaelmas Term)

## REAL ESTATE FINANCE

In addition to completing a compulsory dissertation of no more than 12,000 words, candidates must take four modules in Michaelmas Term and four modules in Lent Term from the following:

*Core methodology module (mandatory)*

- RM01. Quantitative research methods I (Michaelmas Term)

*Core modules (mandatory)*

- RE01. Introduction to real estate finance (Michaelmas Term)
- RE03. Real estate securities, securitization, and investment (Lent Term) [*Prerequisite: RE01*]
- RE04. Private real estate investment: risk and return (Lent Term) [*Prerequisite: RE01*]

*At least one from*

- RE02. Real estate development (Lent Term)
- RE05. Legal issues in land use and finance (Lent Term)
- RE06. The macroeconomy and housing (Michaelmas Term)
- RE07. Real estate project modelling and decision methods (Michaelmas Term)
- PGR01. Urban and environmental planning I (Michaelmas Term)
- PGR07. Spatial economics (Lent Term) [*Prerequisite: RE01 or PGR02 or EP02*]

*Optional modules*

- RM02. Quantitative research methods II (Lent Term) [*Prerequisite: RM01*]
- EP01. Environmental values (Michaelmas Term)
- EP02. Fundamentals of environmental economics (Michaelmas Term)
- EP03. Fundamentals of international environmental law (Michaelmas Term)
- EP04. Environmental policy assessment and evaluation (Lent Term) [*Prerequisite: EP02*]
- EP05. Advanced international environmental law (Lent Term) [*Prerequisite: EP03*]
- EP06. Aspects of environmental policy-making (Lent Term)
- EP08. Rural environment: property, planning, and policy (Lent Term)
- EP09. Economic development and land use policies (Michaelmas Term)
- EP10. Climate change policy and land development (Lent Term)
- PGR02. Issues in public policy and regeneration I (Michaelmas Term)
- PGR05. Housing and regeneration (Lent Term)
- PGR08. Institutions and development I (Michaelmas Term)
- PGR09. Institutions and development II (Lent Term)
- PGR10. Urban and environmental planning II (Lent Term)

## LAND ECONOMY RESEARCH

In addition to completing a compulsory dissertation of no more than 20,000 words, and a 4,000 word research methods essay on a topic set by the Degree Committee, candidates must take the following:

*Research methods training (mandatory)*

Six core modules from the Social Science Research Methods Centre (SSRMC) Training Programme (Michaelmas and Lent Terms)

*Two modules from the following to be examined by essay or project in all cases (Michaelmas or Lent)*

- PGR01. Urban and environmental planning I (Michaelmas Term)
- PGR02. Issues in public policy and regeneration I (Michaelmas Term)
- PGR05. Housing and regeneration (Lent Term)
- PGR07. Spatial economics (Lent Term) [*Prerequisite: RE01 or PGR02 or EP02*]
- PGR08. Institutions and development I (Michaelmas Term)
- PGR09. Institutions and development II (Lent Term)
- PGR10. Urban and environmental planning II (Lent Term)
- EP01. Environmental values (Michaelmas Term)
- EP02. Fundamentals of environmental economics (Michaelmas Term)
- EP03. Fundamentals of international environmental law (Michaelmas Term)
- EP04. Environmental policy assessment and evaluation (Lent Term) [*Prerequisite: EP02*]
- EP05. Advanced international environmental law (Lent Term) [*Prerequisite: EP03*]
- EP06. Aspects of environmental policy-making (Lent Term)
- EP08. Rural environment: property, planning, and policy (Lent Term)
- EP09. Economic development and land use policies (Michaelmas Term)
- EP10. Climate change policy and land development (Lent Term)
- RE01. Introduction to real estate finance (Michaelmas Term)
- RE02. Real estate development (Lent Term)
- RE03. Real estate securities, securitization, and investment (Lent Term) [*Prerequisite: RE01*]
- RE04. Private real estate investment: risk and return (Lent Term) [*Prerequisite: RE01*]
- RE05. Legal issues in land use and finance (Lent Term)
- RE06. The macroeconomy and housing (Michaelmas Term)
- RE07. Real estate project modelling and decision methods (Michaelmas Term)

The Degree Committee for the Department of Land Economy give notice that the form of examination for each module offered in 2013–14 will be as follows:

*Michaelmas Term modules*

Modules offered in Michaelmas Term will be examined before the start of Full Lent Term by one or two essays and/or projects not exceeding 4,000 words each, and/or by written examination. All written examinations shall be of two hours' duration. In all cases, candidates for the M.Phil. in Land Economy Research will be examined by essay(s) and/or project work and not by written examination.

<i>Module</i>	<i>Form of examination</i>
RM01. Quantitative research methods I	two-hour written exam (50%); project work (50%)
RM03. Mixed research methods	project work: Part I (80%); Part II (20%)
PGR01. Urban and environmental planning I	two-hour written exam (100%)
PGR02. Issues in public policy and regeneration I	two-hour written exam (100%)
PGR08. Institutions and development I	4,000-word essay (100%)
EP01. Environmental values	4,000-word essay (100%)
EP02. Fundamentals of environmental economics	48-hour project work (100%)
EP03. Fundamentals of international environmental law	4,000-word essay (100%)
EP09. Economic development and land use policies	4,000-word essay (100%)
RE01. Introduction to real estate finance	two-hour written exam (70%); project work (30%)
RE06. The macroeconomy and housing	two-hour written exam (100%)
RE07. Real estate project modelling and decision methods	project work (100%)

*Lent Term modules*

Modules offered in the Lent Term will be examined before the start of Full Easter Term by one or two essays and/or projects not exceeding 4,000 words each, and/or by written examination. The only exception being the group project for RE02 which will not exceed 10,000 words. All written examinations shall be of two hours' duration. In all cases, candidates for the M.Phil. in Land Economy Research will be examined by essay(s) and/or project work and not by written examination.

<i>Module</i>	<i>Form of examination</i>
RM02. Quantitative research methods II	project work (100%)
PGR05. Housing and regeneration	two-hour written exam (100%)
PGR07. Spatial economics	two-hour written exam (100%)
PGR09. Institutions and development II	4,000-word essay (100%)
PGR10. Urban and environmental planning II	4,000-word essay (100%)

<i>Module</i>	<i>Form of examination</i>
EP04. Environmental policy assessment and evaluation	two-hour written exam (100%)
EP05. Advanced international environmental law	two-hour written exam (100%)
EP06. Aspects of environmental policy-making	two-hour written exam (50%); 3,000-word essay (50%)
EP08. Rural environment: property, planning, and policy	two-hour written exam (100%)
EP10. Climate change policy and land development	two-hour written exam (100%)
RE02. Real estate development	10,000-word group project (75%); presentation (25%)
RE03. Real estate securities, securitization, and investment	two-hour written exam (60%); project work (40%)
RE04. Private real estate investment: risk and return	two-hour written exam (60%); project work (40%)
RE05. Legal issues in land use and finance	two 4,000-word essays (100%)

### **Examination in Public Policy for the M.Phil. Degree, 2013–14: Notice**

The Degree Committee of the Faculty of Human, Social, and Political Science give notice of the following list of modules to be offered for examination for the M.Phil. in Public Policy, in the academical year 2013–14:

#### *Case Studies*

<i>Title</i>	<i>Method of assessment</i>
Sustainable development: 'Emergency budgeting during austerity'	One essay of no more than 3,000 words
Health and welfare: 'Regulating human embryology'	One essay of no more than 3,000 words
Risk and resilience: 'Legislating about climate change'	One essay of no more than 3,000 words

#### *Modules*

<i>Title</i>	<i>Method of assessment</i>
Macroeconomics	One essay of no more than 3,000 words
Philosophy and public affairs	One essay of no more than 3,000 words
Statistics (half module)	A project set by the course co-ordinator
Systems (half module)	Course-work assessed by the course co-ordinator
Scientific method and the nature of evidence	One essay of no more than 3,000 words
Political and legal institutions	One essay of no more than 3,000 words
Topics in economic policy (half module)	One three-hour written examination in which candidates will attempt one question from three; questions will be notified to the candidates in advance.
The media (half module)	One essay of no more than 3,000 words
Soft skills	One project and one presentation to be set by the course co-ordinator, and one one-hour written examination

### **Examination in Economics for the Certificate of Postgraduate Study, 2013–14: Notice**

The Faculty Board of Economics and the Degree Committee for the Faculty of Economics give notice that in the academical year 2013–14 the subjects for examination will be as listed below.

#### *Compulsory component*

PhD 40. How to do economics

#### *Specialist modules*

PhD 10.	Economic theory
PhD 11.	Applied economic theory
PhD 20.	Topics in advanced macroeconomics
PhD 21.	Computational methods
PhD 30.	Topics in advanced econometrics
M 140.	Behavioural economics
M 150.	Economics of networks
M 160.	Political economy
M 170.	Industrial organization
M 500.	Development economics
M 610.	British industrialism



*Specialist modules (continued)*

F 300.	Corporate finance
F 400.	Asset pricing
F 500.	Empirical finance
F 510.	International finance
F 520.	Behavioural finance

*Research seminars/workshops*

Microeconomic theory  
Applied microeconomics  
Macroeconomics  
Econometrics

**Diploma in Economics, 2013–14: Notice**

The Faculty Board of Economics and the Degree Committee for the Faculty of Economics give notice that in the academical year 2013–14 the subjects for examination for the Diploma in Economics will be as listed below.

Papers 1 and 2 will each be examined by means of a three-hour written examination, while Paper 3 will be examined by means of a three-hour written examination (60% of the marks) and a project (40% of the marks).

Paper 1.	Microeconomics
Paper 2.	Macroeconomics
Paper 3.	Econometrics

**REPORTS****First-stage Report of the Council on the project to fit out additional laboratory space at the Cancer Research UK Cambridge Institute building**

The COUNCIL begs leave to report to the University as follows:

1. In this Report the Council is seeking approval in principle for fitting out additional laboratory facilities for the Cancer Research UK Cambridge Institute on the Addenbrooke's Site as set out below.

2. The Cancer Research UK Cambridge Institute (CRUK CI) opened in a new purpose-built facility (the Li Ka Shing Centre) in January 2007. At that time the third floor was left as shelled space available for future expansion. Following successful review, and the appointment of a new Director, the University and Cancer Research UK have formally recorded a shared aspiration to support an expansion in the Institute's research by fitting out this space by the end of 2014.

3. The Council now proposes that the shelled third-floor space should be fitted out to provide new laboratory space. Additionally, some alteration of existing first-floor space will be carried out. This project was anticipated in the transfer of the Institute from Cancer Research UK to the University in January 2013 and is recognized as a priority by the School of Clinical Medicine.

4. CRUK CI currently houses 350 staff, including 20 research groups, in the Li Ka Shing Centre. It is proposed to fit out the third floor as a combination of conventional wet laboratory space and areas dedicated to bioinformatics work. Part of the first floor, currently used for bioinformatics work, will be modified to provide additional wet laboratory space. In total the preliminary design adds 90 wet bench spaces, approximately 85 bioinformatics spaces, and a further 42 flexible work stations as well as additional

server and meeting room facilities. This will allow the expansion of the Institute to comprise approximately 570 staff including 35 research groups and is consistent with the five-year funding plan for the Institute.

5. The proposed works will:

- significantly expand the state-of-the-art facilities for cancer-related research on the Addenbrooke's site;
- leverage the existing research infrastructure already present within the building to increase efficiency;
- address the particular shortage of space for bioinformatics research in the existing building by providing a significant amount of new space of this type.

6. The total cost of the project has been estimated at £6m, which includes the costs of building works, laboratory furniture, and small laboratory equipment. The majority of the funding will come from Cancer Research UK and the balance from the University under a funding agreement established at the time of the transfer of the Institute into the University. The project cost is based on a start on site in late 2013 with completion in late 2014 / early 2015.

7. Further details relating to the design, maintenance, and recurrent costs, with proposals for funding, will be brought to future meetings of the Buildings Committee and the Planning and Resources Committee. A Second-stage Report will be published later this year.

8. Drawings of the proposed scheme are displayed for the information of the University in the Schools Arcade. A map showing the location is set out below (p. 618).

9. The Council recommends:

I. That approval in principle be given for the fit-out of laboratory space in the CRUK CI building as proposed in this Report.

II. That, if required by the scope of the project, the Director of Estate Management be authorized to apply for detailed Planning Approval in due course.

4 June 2013

L. K. BORYSIEWICZ, *Vice-Chancellor*  
N. BAMPOS  
CHARLES BELL  
JEREMY CADDICK  
STEPHEN J. COWLEY  
ATHENE DONALD  
I. M. LE M. DU QUESNAY  
NICHOLAS GAY

DAVID GOOD  
ANDY HOPPER  
FIONA KARET  
F. P. KELLY  
ROBERT LETHBRIDGE  
MARK LEWISOHN  
REBECCA LINGWOOD  
MAVIS McDONALD

ROSALYN OLD  
SUSAN OOSTHUIZEN  
RACHAEL PADMAN  
SHIRLEY PEARCE  
JOHN SHAKESHAFT  
SAM WAKEFORD  
I. H. WHITE  
A. D. YATES

## OBITUARIES

### Obituary Notice

Sir DAVID RODNEY SWEETNAM, KCVO, CBE, FRCS, Honorary Fellow of Peterhouse, 2003–2013, died on 17 May 2013, aged 86 years.

## GRACES

### Graces submitted to the Regent House on 5 June 2013

The Council submits the following Graces to the Regent House. These Graces, unless they are withdrawn or a ballot is requested in accordance with the regulations for Graces of the Regent House (*Statutes and Ordinances*, p. 107), will be deemed to have been approved at 4 p.m. on Friday, 14 June 2013.

1. That the recommendations in paragraph 8 of the First-stage Report of the Council, dated 6 May 2013, on the construction of the Maxwell Centre on the West Cambridge site (*Reporter*, 6306, 2012–13, p. 507) be approved.<sup>1</sup>

2. That the recommendations in paragraph 6 of the First-Stage Report of the Council, dated 6 May 2013, on the construction of a new annexe building for the Department of Engineering at Scroope Terrace (*Reporter*, 6306, 2012–13, p. 509) be approved.<sup>2</sup>

3. That the recommendations in paragraph 5 of the Report of the General Board, dated 1 May 2013, on the establishment of a Professorship of International Education (*Reporter*, 6306, 2012–13, p. 511) be approved.

4. That the recommendations in paragraph 5 of the Report of the General Board, dated 1 May 2013, on the establishment of a John Harvard Professorship in the Arts, Humanities, and Social Sciences (*Reporter*, 6306, 2012–13, p. 511) be approved.

5. That the recommendations in paragraph 4 of the Report of the General Board, dated 1 May 2013, on the Travelling Expenses Fund (*Reporter*, 6306, 2012–13, p. 513) be approved.

6. That Regulation 1 for the Board of Graduate Studies be amended so as to include:<sup>3</sup>

(e) up to four members of the Regent House co-opted by the Board.

And that the second sentence of the subsequent paragraph of the same Regulation be amended so as to read:

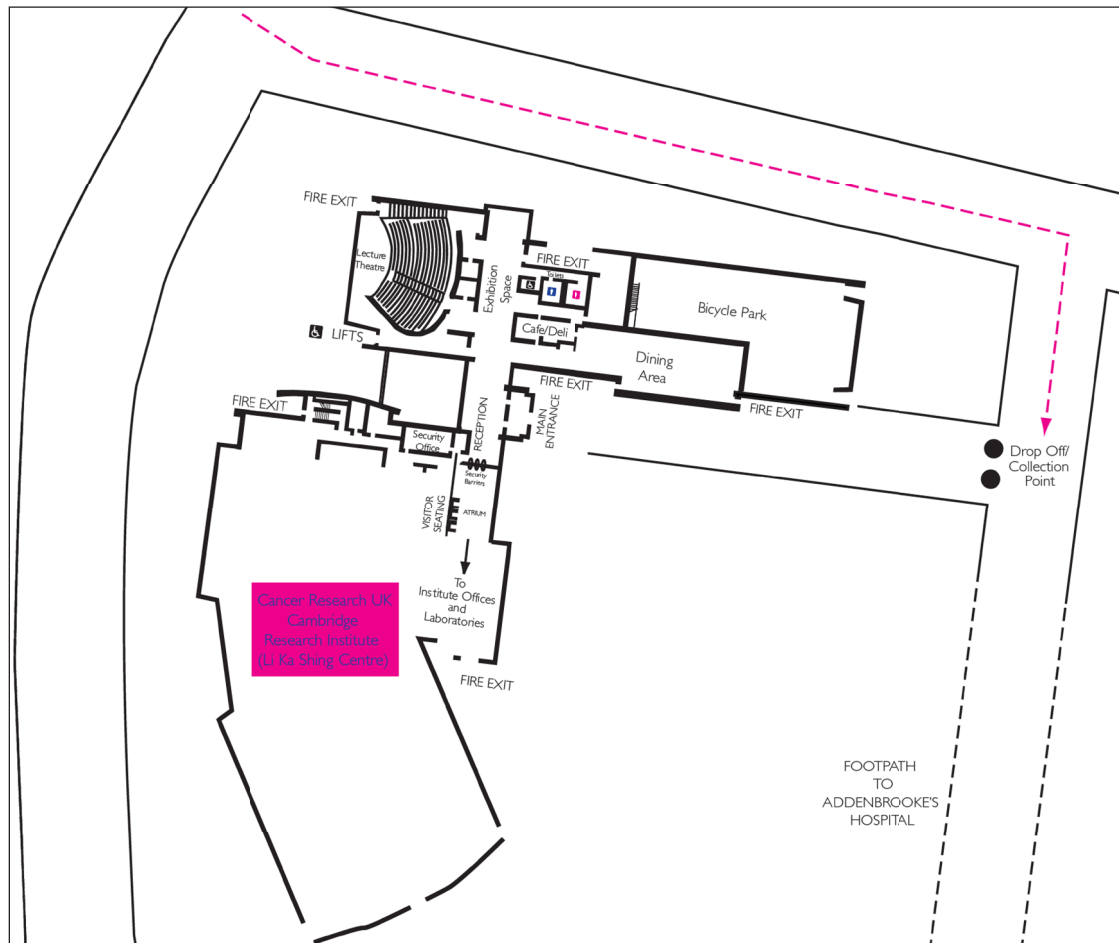
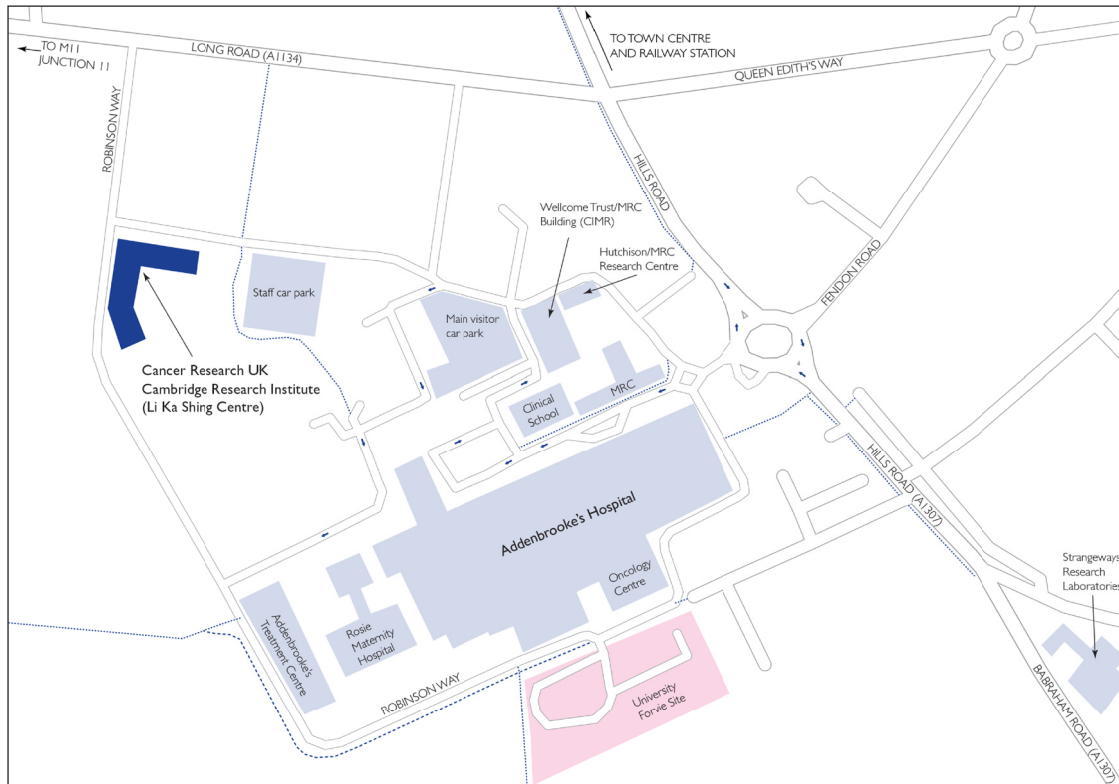
Members in classes (d) and (e) shall be appointed in the Easter Term to serve for three years from 1 October.

<sup>1</sup> See the Council's Notice on p. 603.

<sup>2</sup> See the Council's Notice on p. 603.

<sup>3</sup> *Statutes and Ordinances*, p. 124. The Board of Graduate Studies have recommended that, given the load falling on the Board in their consideration of individual student cases and the need to maintain a spread of disciplines amongst the membership, provision be made for co-opted members.

CRUK CI location maps



7. That Regulation 10 of the General Regulations for Admission as a Graduate Student be amended so as to begin:<sup>4</sup>

The Board shall have the power to remove any Graduate Student from the Register of Graduate Students:

<sup>4</sup> *Statutes and Ordinances*, p. 438. The Board of Graduate Studies have proposed this amendment so as to use consistent wording throughout the General Regulations for Admission as a Graduate Student.

## ACTA

### **Approval of Graces submitted to the Regent House on 22 May 2013**

The Graces submitted to the Regent House on 22 May 2013 (*Reporter*, 6308, 2012–13, p. 576) were approved at 4 p.m. on Friday, 31 May 2013.

J. W. NICHOLLS, *Registrar*

**END OF THE OFFICIAL PART OF THE 'REPORTER'**

## REPORT OF DISCUSSION

**Tuesday, 28 May 2013**

A Discussion was held in the Council Room. Pro-Vice-Chancellor Professor Jeremy Sanders was presiding, with the Registrar's Deputy, the Senior Proctor, the Senior Pro-Proctor, and seven other persons present.

The following Reports were discussed:

*First-stage Report of the Council, dated 6 May 2013, on the construction of the Maxwell Centre on the West Cambridge site (Reporter, 6306, 2012–13, p. 507).*

Professor W. J. STIRLING (Cavendish Laboratory and Peterhouse), read by Mr D. H. Peet:

Mr Deputy Vice-Chancellor, as Head of the Cavendish Laboratory I am delighted at the prospect of this scheme to construct this new Centre as part of the Laboratory's redevelopment. The Department is very grateful to all those within the Central Offices, Estate Management, and the wider University who have contributed to the development and success of the project so far, including our industrial collaborators.

The proposed Centre will house innovative and interdisciplinary research in Physics and cognate disciplines and, in particular, will host active participation with industry, both in the research itself and in the exploitation of new knowledge.

This project will deliver additional leverage to the Winton Programme in the Physics of Sustainability, which already supports much work on basic science that has potential industrial and commercial interest. The goal of the Winton programme is that it should be truly original, building on inter-disciplinary competences and networks, and able to take risks beyond the normal scope of research grants. Industrial scientists will be based alongside this programme, and others, enabling them to catch a similar vision and to take advantage of specialist facilities, such as those for advanced materials characterization. Training will be at the heart of the Centre, as it will host doctoral training programmes as well as short courses for industry, in topics such as scientific computing. The facilities will include dedicated spaces for interaction, bringing members of the Cavendish, both students and staff, into easy contact with industrialists to mutual benefit.

A large number of the Cavendish's research groups are already actively involved in the briefing process for the potential Centre. The Centre will also exploit collaborations with colleagues elsewhere in the University, particularly in the Departments of Chemistry and of Materials Science and Metallurgy.

At the heart of the Cavendish's vision for its redevelopment is the idea of 'Physics for the benefit of society'. The Maxwell Centre will greatly enhance our many continuing efforts to turn this goal into reality. The research and industrial engagement work which it will accommodate will demonstrate the application of Physics to contemporary societal challenges and act as a flagship for industrial engagement for departments in the physical sciences and on the West Cambridge site.

This exciting project will bring enormous benefits to University research, teaching, and work with local, national, and international companies. We warmly commend this Report to the University.

*First-Stage Report of the Council, dated 6 May 2013, on the construction of a new annexe building for the Department of Engineering at Scroope Terrace (Reporter, 6306, 2012–13, p. 509).*

Professor A. P. DOWLING (Department of Engineering and Sidney Sussex College):

Deputy Vice-Chancellor, I speak as Head of the Department of Engineering.

The proposed extension to the Department of Engineering at Scroope Terrace is urgently needed. The Department's new strategic research initiatives of Energy, Transport, and Urban Infrastructure; Uncertainty, Risk, and Resilience; Bioengineering; and Inspiring Research through Industrial Collaboration are being received with enthusiasm by funding bodies and industry. Over the last ten years, expenditure on research grants rose from £13.5m in 2001–02 to £30.6m in 2011–12. Postgraduate student numbers have risen from 600 in 2007 to 830 in 2012. These increases are set to continue: in just the first nine months of this financial year the total value of research grants won is over 35% higher than for the full 2011–12 year, and that is an increase of £15m.

All this is putting tremendous pressure on space.

The expiry of the lease of the Royal Cambridge Hotel in September 2013 provides an opportunity to renegotiate terms with the hotel operators. Such an opportunity will not be available again for decades if the hotel lease is renewed in its current form. The current hotel car park is larger than required by the hotel and is the only undeveloped land adjacent to the Engineering Department's Trumpington Street site. The plan is to build on part of the hotel car park to provide flexible office space for research. The building design is planned to encourage greater interaction and interdisciplinary working, as well as providing an opportunity to showcase emerging ideas for building efficiency and monitoring. Studies have shown that an extension on this site is more cost-effective than adding additional floors to the existing building. The new building is expected to provide working space for about 20 academic staff, and 270 research staff and students.

Research groups expected to be located within the building include:

- the newly appointed Regius Professor of Engineering, Professor David MacKay, and research in energy and resource efficiency;
- the Laing O'Rourke Centre for Construction Engineering;
- the Innovation Knowledge Centre for Smart Infrastructure and Construction; and
- an expansion of our bioengineering and materials activities.

The building is planned to be respectful of its site and the adjacent buildings, and we have already made some changes to the emerging designs at the request of the Department of Architecture.

I would like to express the Department's need and enthusiasm for this extension and to urge support for the Council's recommendations that the construction of the new annexe be approved in principle and that the Director of Estate Management be authorized to apply for detailed planning permission. Further details of the design and costs will be the subject of a Second-stage Report to be published later in the year.

*Report of the General Board, dated 1 May 2013, on the establishment of a Professorship of International Education* (*Reporter*, 6306, 2012–13, p. 511).

No remarks were made on this Report.

*Report of the General Board, dated 1 May 2013, on the establishment of a John Harvard Professorship in the Arts, Humanities, and Social Sciences* (*Reporter*, 6306, 2012–13, p. 511).

No remarks were made on this Report.

*Report of the General Board, dated 1 May 2013, on the Travelling Expenses Fund* (*Reporter*, 6306, 2012–13, p. 513).

No remarks were made on this Report.

## COLLEGE NOTICES

### Vacancies

*Homerton College*: Development Director; salary: up to £55,000; closing date: 26 June 2013; further particulars: <http://www.homerton.cam.ac.uk>

Postdoctoral College Research Associates; various College benefits included; up to six non-stipendiary posts available; closing date: 30 June 2013; further particulars: <http://www.homerton.cam.ac.uk/vacancies>

*Peterhouse*: Librarian, Ward Library (full-time); salary: £31,464–£34,739, plus benefits; closing date: 28 June 2013; further particulars: <http://www.pet.cam.ac.uk>

*Sidney Sussex College*: Research Associates; no stipend but a number of collegiate benefits apply; closing date: 28 June 2013; informal enquiries: [senior.tutor@sid.cam.ac.uk](mailto:senior.tutor@sid.cam.ac.uk); further particulars: <http://www.sid.cam.ac.uk/life/personnel/>

## EXTERNAL NOTICES

### University of Oxford

*All Souls College*: Senior Research Fellowships in Mathematics; Theoretical Physical Science; Classical Studies; and Politics and International Relations; salary: £76,860–£84,446, plus £5,997 housing allowance if eligible; closing date: 20 September 2013 at 12 noon; further particulars: [http://www.all-souls.ox.ac.uk/content/Senior\\_Research\\_Fellowships\\_2014](http://www.all-souls.ox.ac.uk/content/Senior_Research_Fellowships_2014)

*St Catherine's College*: Stipendiary Lecturership in Environmental Geography; salary: £4,128; closing date: 18 June 2013; further particulars: <https://www.stcatz.ox.ac.uk/vacancies/sl-environmental-geography>

Stipendiary Lecturership in Physical Geography; salary: £12,383; closing date: 18 June 2013; further particulars: <https://www.stcatz.ox.ac.uk/vacancies/sl-physical-geography>

*St Catherine's College and Mansfield College*: Stipendiary Lecturership in Human Geography; salary: £16,511; closing date: 18 June 2013; further particulars: <https://www.stcatz.ox.ac.uk/vacancies/sl-human-geography>

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