

# CAMBRIDGE UNIVERSITY REPORTER

No 6431

WEDNESDAY 22 JUNE 2016

VOL CXLVI No 36

## CONTENTS

### Notices

Calendar	679
Notice of a Discussion on Tuesday, 5 July 2016	679
Notice of a benefaction	679
Amending Statutes for Corpus Christi College	679
Provisioning of a new link corridor between the buildings at 5 and 7 Cranmer Road	679
Grants from the Colleges Fund	680

### Awards, etc.

Public Engagement with Research Award Winners, 2016	680
Impact Award Winners, 2016	680

### Events, courses, etc.

Announcement of lectures, seminars, etc.	681
--	-----

### Regulations for examinations

#### *Tripos*

Architecture Tripos, Parts IA, IB, and II	681
English Tripos, Part II	681
Mathematical Tripos, Part III	682
Philosophy Tripos, Part II	682
Theological and Religious Studies Tripos, Part IIB	683

Examination in Mathematics for the M.A.St. Degree	683
---	-----

Bachelor of Theology for Ministry	683
-----------------------------------	-----

Master of Education	685
---------------------	-----

#### *M.Phil. Degrees*

Examination in American History	685
Examination in Architecture and Urban Design	685
Examination in Architecture and Urban Studies	686
Examination in Earth Sciences (by dissertation)	686
Examination in Economic and Social History	686
Examination in Education (by advanced study)	687
Examination in Education (Research) (by dissertation)	687
Examination in Engineering for Sustainable Development	687
Examination in Geographical Research	688
Examination in Geography (by dissertation)	688
Examination in History of Art and Architecture	688
Examination in Machine Learning, Speech, and Language Technology	689
Examination in Modern British History	689
Examination in Modern European History	690

Examination in Philosophy	690
---------------------------	-----

Examination in Political Thought and Intellectual History	691
---	-----

Examination in Theoretical and Applied Linguistics (by dissertation)	691
--	-----

Examination in World History	692
------------------------------	-----

#### *M.Res. Degrees*

Examination in Gas Turbine Aerodynamics	692
---	-----

Examination in Graphene Technology	692
------------------------------------	-----

#### *M.St. Degrees*

Examination in Advanced Subject Teaching	693
--	-----

Examination in History	693
------------------------	-----

### Notices by Faculty Boards, etc.

Chemical Engineering Tripos, Part IIB, 2016–17: Modules	693
---	-----

Bachelor of Theology for Ministry and Diploma in Theology for Ministry, 2016–17: Special subjects and prescribed texts	694
--	-----

Examination in Advanced Chemical Engineering for the M.Phil. Degree, 2016–17: Modules	694
---	-----

Examination in Computational Biology for the M.Phil. Degree, 2016–17	695
--	-----

Examination in Micro- and Nanotechnology Enterprise for the M.Phil. Degree, 2016–17	695
---	-----

### Reports

First-stage Report of the Council on the construction of an off-site storage facility for low-use library material	696
--	-----

### Obituaries

Obituary Notice	698
-----------------	-----

### Graces

Grace submitted to the Regent House on 22 June 2016	698
---	-----

### Acta

Congregation of the Regent House on 15 June 2016: Honorary Degrees	698
--	-----

*End of the Official Part of the 'Reporter'*

### College Notices

Elections	708
-----------	-----

### External Notices

University of Oxford	708
----------------------	-----

Rollo Davidson Trust	708
----------------------	-----



UNIVERSITY OF  
CAMBRIDGE

## NOTICES

### Calendar

- 22 June, *Wednesday*. Congregation of the Regent House at 10 a.m. (General Admission). Scarlet Day.  
 23 June, *Thursday*. Congregation of the Regent House at 10 a.m. (General Admission). Scarlet Day.  
 24 June, *Friday*. Congregation of the Regent House at 10 a.m. (General Admission). Scarlet Day.  
 25 June, *Saturday*. Congregation of the Regent House at 10 a.m. (General Admission). Scarlet Day.  
 5 July, *Tuesday*. Discussion of the Regent House at 2 p.m. (see below).  
 15 July, *Friday*. Congregation of the Regent House at 10 a.m.  
 16 July, *Saturday*. Congregation of the Regent House at 10 a.m.

### Notice of a Discussion on Tuesday, 5 July 2016

The Vice-Chancellor invites those qualified under the regulations for Discussions (*Statutes and Ordinances*, p. 107) to attend a Discussion in the Senate-House, on Tuesday, 5 July 2016, at 2 p.m. for the discussion of:

1. Report of the General Board, dated 1 June 2016, on Senior Academic Promotions (*Reporter*, 6429, 2015–16, p. 628).
2. Report of the Council, dated 13 June 2016, on a University Statement on Freedom of Speech and the Code of Practice issued under section 43 of the Education (No 2) Act 1986 (*Reporter*, 6430, 2015–16, p. 640).
3. First-stage Report of the Council, dated 13 June 2016, on the construction of a new building for the Department of Engineering in West Cambridge (*Reporter*, 6430, 2015–16, p. 643).
4. First-stage Report of the Council, dated 22 June 2016, on the construction of an off-site storage facility for low-use library material (p. 696).

### Notice of a benefaction

20 June 2016

The Vice-Chancellor gives notice that he has accepted with gratitude a bequest of £1.4m from a former student of the University to establish the Winifred Georgina Holgate Pollard Memorial Prizes to accord recognition to the most outstanding results obtained in Tripos. The Council, on the recommendation of the General Board, is submitting a Grace to the Regent House for the approval of regulations to govern the Prize Fund (Grace 1, p. 698).

### Amending Statutes for Corpus Christi College

20 June 2016

The Vice-Chancellor begs leave to refer to his Notice of 24 May 2016 (*Reporter*, 6427, 2015–16, p. 572), concerning proposed amending Statutes for Corpus Christi College. He hereby gives notice that in the opinion of the Council the proposed Statutes make no alteration of any Statute which affects the University, and do not require the consent of the University; that the interests of the University are not prejudiced by them, and that the Council has resolved to take no action upon them, provided that the Council will wish to reconsider the proposed Statutes if they have not been submitted to the Privy Council by 20 June 2017.

### Provision of a new link corridor between the buildings at 5 and 7 Cranmer Road

20 June 2016

The following Notice is published to advise the University of works which are not considered to be a ‘substantial alteration’ within the meaning of Statute F II 3 and therefore do not require a Report but are nevertheless of interest or consequence to members of the Regent House and others (*Reporter*, 6259, 2011–12, p. 498).

The Lauterpacht Centre for International Law is part of the Faculty of Law and is situated in two adjoining Victorian houses at 5 and 7 Cranmer Road.

Although the physical space between the two buildings is only 1.2m, the current pedestrian route is approximately 40m. A proposal has been developed to construct a link corridor, the provision of which will significantly shorten the pedestrian route between the two buildings and greatly enhance the ability of wheelchair users to move between the two buildings.

The works comprise of mainly internal reconfiguration within the existing space, with only minor impact on the front elevation of the buildings and no change to the existing external access to the buildings.

The estimated cost of the work is in the region of £180,000–£200,000 and is to be funded by the Lauterpacht Centre for International Law.

Drawings of the proposed development are displayed for the information of the University in the Schools Arcade and are reproduced online at [http://www.admin.cam.ac.uk/cam-only/offices/planning/building/plans\\_and\\_drawings/](http://www.admin.cam.ac.uk/cam-only/offices/planning/building/plans_and_drawings/).

## Grants from the Colleges Fund

20 June 2016

The Council has received the following report from the Colleges Fund Committee which under Regulation 4 for the Fund (*Statutes and Ordinances*, p. 1019) it now publishes to the University.

1. The amount available in the Fund for distribution in 2016 is approximately £4,310,000.
2. The Colleges Fund Committee has approved the following grants to be added to the endowment of Colleges to be paid in June 2016:

	<i>£'000</i>
Clare Hall	265
Darwin	208
Fitzwilliam	285
Hughes Hall	718
Lucy Cavendish	637
Robinson	718
St. Edmund's	718
Selwyn	43
Wolfson	718
<b>Total</b>	<b>4,310</b>

3. These grants have been calculated by taking account of the model of a standard College with a basic requirement for endowment. The figures take account of the actual endowment requirements of the relevant Applicant College, having reference to numbers of undergraduates, full-time equivalent graduates, Fellows, and College Teaching Officers. The Committee continues to cap the grant to be made to any one College and has limited the maximum grant to 150% of the average grant.

4. The Colleges Fund Committee has not approved any exceptional grants in addition to the endowment-based grants listed above.

## AWARDS, ETC.

### Public Engagement with Research Award Winners, 2016

The Vice-Chancellor gives notice of the winners of the inaugural Public Engagement with Research Awards to recognize and reward those who undertake excellent engagement with research.

The winners were presented with a trophy and personal cash prize in a joint award ceremony, hosted by the Vice-Chancellor on Monday, 20 June 2016.

The 2016 Public Engagement with Research Award winners are:

- Dr Ruth Armstrong and Dr Amy Ludlow, Institute of Criminology and Faculty of Law
- Dr Paolo Bombelli, Department of Biochemistry
- Dr Paul Coxon, Department of Materials Science and Metallurgy
- Mr Ian Hosking and Mr Bill Nicholl, Department of Engineering and Faculty of Education
- Dr Becky Inkster, Department of Psychiatry
- Dr Hazel Wilkinson, Department of English

The 2016 Awards are supported by the RCUK Catalyst Seed Fund and are co-ordinated by the University's Public Engagement team. More information about the Awards can be found on the Public Engagement website: <https://www.cam.ac.uk/public-engagement/public-engagement-with-research-awards>.

### Impact Award Winners, 2016

The Vice-Chancellor gives notice of the winners of the inaugural Impact Awards to recognize and reward those whose research has led to excellent impact beyond academia.

The winners were presented with a trophy and cash prize in a joint award ceremony, hosted by the Vice-Chancellor on Monday, 20 June 2016.

The 2016 Impact Award winners, by School, are:

- School of Humanities and Social Sciences: Dr Gilly Carr, Department of Archaeology and Anthropology
- School of Technology: Dr Nathan Crilly and Professor John Clarkson, Department of Engineering
- School of Clinical Medicine: Dr Nita Forouhi and Dr Fumiaki Imamura, MRC Epidemiology Unit
- School of Biological Sciences: Professor Stephen Jackson, Wellcome Trust/Cancer Research UK, Gurdon Institute
- School of Arts and Humanities: Dr Mari Jones, Faculty of Modern and Medieval Languages

Overall winner:

- School of Clinical Medicine: Dr Nita Forouhi and Dr Fumiaki Imamura, MRC Epidemiology Unit

**EVENTS, COURSES, ETC.****Announcement of lectures, seminars, etc.**

The University offers a large number of lectures, seminars, and other events, many of which are free of charge, to members of the University and others who are interested. Details can be found on individual Faculty, Department, and institution websites, on the What's On website (<http://www.admin.cam.ac.uk/whats-on/>), and on Talks.cam (<http://www.talks.cam.ac.uk/>).

Brief details of upcoming events are given below.

*Institute of Continuing  
Education*

International Summer Schools 2016: plenary lectures open  
to members of the University

[http://www.ice.cam.ac.uk/  
open-lectures](http://www.ice.cam.ac.uk/open-lectures)

**REGULATIONS FOR EXAMINATIONS****Architecture Tripos, Parts IA, IB, and II**

*(Statutes and Ordinances, p. 266)*

**With effect from 1 October 2016**

The General Board, on the recommendation of the Faculty Board of Architecture and History of Art, has approved amendments to the regulations for the Tripos, so as to allow for studio-work in each Part of the Tripos to be submitted more evenly throughout the year, rather than at the end of the Easter Term.

## PART IA

Regulation 13.

By amending sub-paragraph (b) so as to read:

- (b) for Section B, to present for the inspection of the Examiners on a date or dates published by the Faculty Board by notice in the Department not later than the beginning of the Full Michaelmas Term next preceding the examination, a portfolio of studio-work carried out during the current academical year and attested by satisfactory evidence.

## PART IB

Regulation 15.

By amending sub-paragraph (b) so as to read:

- (b) for Section B, to present for the inspection of the Examiners on a date or dates published by the Faculty Board by notice in the Department not later than the beginning of the Full Michaelmas Term next preceding the examination, a portfolio of studio-work carried out during the current academical year and attested by satisfactory evidence.

## PART II

Regulation 17.

By amending sub-paragraph (b) so as to read:

- (b) for Section B, to present for the inspection of the Examiners on a date or dates published by the Faculty Board by notice in the Department not later than the beginning of the Full Michaelmas Term next preceding the examination, a portfolio of studio-work carried out during the current academical year and attested by satisfactory evidence;

The Faculty Board of Architecture and the History of Art is satisfied that no candidate's preparation for the examination will be adversely affected.

**English Tripos, Part II**

*(Statutes and Ordinances, p. 317)*

**With effect from 1 October 2016**

The General Board, on the recommendation of the Faculty Board of English, has approved amendments to the regulation governing the papers available in Part II, so as to reintroduce, suspend, and amend the titles of certain papers.

Regulation 18.

#### GROUP B

Paper 11. Modernism and the short story

This paper is no longer suspended.

Paper 17. Shakespeare in performance

This paper is suspended in 2016–17.

#### GROUP C

Paper 35. Living, loving, and dying in Renaissance France (Paper Fr.8 of the Modern and Medieval Languages Tripos)

By amending the title of the paper to:

Paper 35. Wondrous forms in the age of Montaigne (Paper Fr.8 of the Modern and Medieval Languages Tripos)

The Faculty Board of English has confirmed that no candidate's preparation for the examination in 2017 will be affected.

### Mathematical Tripos, Part III

(*Statutes and Ordinances*, p. 357)

#### With effect from 1 October 2016

The General Board, on the recommendation of the Faculty Board of Mathematics, has approved amendments to Regulation 22 to better reflect the classification of Part III by amending the wording to read:

The names of the candidates who have obtained honours in the examination for Part III shall be arranged in alphabetical order in one class. Distinctive marks shall be attached to the names of those candidates who in the opinion of the Examiners deserve special credit. Within the first class, the mark (*d*) shall be used to denote a distinguished performance, while the mark (*m*), denoting a meritorious performance, shall be attached to the names of the other candidates placed within the first class. All candidates shall be listed alphabetically.

### Philosophy Tripos, Part II

(*Statutes and Ordinances*, p. 393)

#### With effect from 1 October 2016

The General Board, on the recommendation of the Faculty Board of Philosophy, has revised the regulation governing the papers available in Part II, so as to amend the title of Paper 9. The reference to variable subjects in Regulation 10 is redundant as a consequence and has been removed.

Regulation 6.

By amending the title of Paper 9 *from*

Paper 9. Special subject specified by the Faculty Board from time to time *to*

Paper 9. Wittgenstein

Regulation 10.

By removing the final sentence of the regulation and replacing it with a sentence so as to read:

Public notice of the texts prescribed for special study shall be given by the Faculty Board before the end of the Easter Term in the year next preceding the examination to which they apply; provided that the Board shall have the power of subsequently issuing amendments if they have due reason for doing so and if it is satisfied that no student's preparation for the examination is adversely affected.

The Faculty Board of Philosophy has confirmed that no candidate's preparation for the examination will be affected.

## Theological and Religious Studies Tripos, Part IIb

(*Statutes and Ordinances*, p. 399)

### With effect from 1 October 2016

The General Board, on the recommendation of the Faculty Board of Divinity, has approved amendments to the list of papers available in Part IIb.

Regulation 18.

#### GROUP C

Paper C1. Advanced language and texts

D. Arabic

This paper is no longer suspended.

Paper C11. Metaphysics

By amending the title of the paper to

Paper C11. God, metaphysics, and the modern challenge

#### SUPPLEMENTARY REGULATIONS

With effect from the same date, the supplementary regulations for the Tripos have been amended so as to introduce a revised title for Paper D.1(c). Further to the Notice of 28 October 2015 (*Reporter*, 6401, 2015–16, p. 67), the paper will no longer be suspended in 2016–17.

By amending the title of the paper *from*

*Paper D.1*

(c) *A topic to be announced by the Faculty Board from time to time*

*to*

*Paper D.1*

(c) *Political theology*

This paper builds from major themes of Christian doctrine to introduce historical and critical perspectives of their significance for political theological understanding. The Faculty Board may from time to time prescribe texts for special study.

## Examination in Mathematics for the M.A.St. Degree

(*Statutes and Ordinance*, p. 421)

### With effect from 1 October 2016

The General Board, on the recommendation of the Faculty Board of Mathematics, has approved the amendment of the special regulations for the examination in Mathematics for the M.A.St. Degree to reflect the changes to Part III of the Mathematical Tripos by amending the word ‘may’ to ‘shall’ in the sentence ‘Distinctive marks may be attached to the names of those candidates who in the opinion of the Examiners deserve special credit, the mark (*d*) being used to denote a distinguished performance and the mark (*m*) a meritorious performance’.

## Bachelor of Theology for Ministry

(*Statutes and Ordinances*, p. 423)

### With effect from 1 October 2016

The General Board, on the recommendation of the Faculty Board of Divinity, has approved amendments to the list of papers available for examination. Certain papers have been suspended; and further information has been added to the titles of certain papers so as to indicate that they shall henceforth be borrowed from the range of papers offered for the Theological and Religious Studies Tripos. Paper B.Th.4 is no longer borrowed from the Theological and Religious Studies Tripos.

Regulation 13.

#### GROUP A

B.Th.2. Elementary Hebrew (Paper A1A of the Theological and Religious Studies Tripos)

This paper is suspended until further notice.

B.Th.3. Introduction to New Testament Greek

This paper is suspended in 2016–17.

B.Th.4. New Testament Greek (Paper A1B of the Theological and Religious Studies Tripos)

By amending the title of the paper to:

B.Th.4. New Testament Greek

#### GROUP B

B.Th.14. Reform and renewal in Christian history

This paper is suspended in 2016–17.

B.Th.16. Special subject in the study of religion

This paper is suspended in 2016–17.

#### GROUP C

B.Th.21. Intermediate Hebrew

By amending the title of the paper to:

B.Th.21. Intermediate languages and texts: Hebrew (Paper B1A of the Theological and Religious Studies Tripos)

B.Th.22. Intermediate Greek

By amending the title of the paper to:

B.Th.22. Intermediate languages and texts: New Testament Greek (Paper B1B of the Theological and Religious Studies Tripos)

\*B.Th.28. The study of Christian mission

This paper is suspended in 2016–17.

B.Th.30. Philosophy of religion

This paper is suspended in 2016–17.

\*B.Th.31. Church and sacraments

This paper is suspended in 2016–17.

\*B.Th.46. Further advanced subjects specified by the Faculty Board

This paper is suspended in 2016–17.

In accordance with the provisions of Regulation 13, the papers marked with an asterisk are half-papers.

#### SUPPLEMENTARY REGULATIONS

With effect from the same date, the supplementary regulations have been amended as follows:

#### GROUP B

*B.Th.12 Christian doctrine*

By removing the current text for the supplementary regulation and replacing it with revised text so as to read:

This paper will introduce some of the major themes and disciplines of Christian theology through a focus on God, considered both as a theological topic in itself and in relationship to all that is not God, including the world (the doctrine of creation) and evil (the problem of theodicy). The Faculty Board may from time to time prescribe texts for special study. The examination will consist of a three-hour written paper.

#### GROUP C

*B.Th.23. Old Testament studies*

By the addition of a sentence at the beginning of the text for the current supplementary regulations so as to read:

This paper will be taught via classes for Paper B2 of the Theological and Religious Studies Tripos.

The Faculty Board of Divinity is satisfied that no candidate's preparation for the examination in 2017 will be affected.

## Master of Education

*(Statutes and Ordinances, p. 432)*

### With effect from 1 October 2016

The General Board, on the recommendation of the Degree Committee for the Faculty of Education, has approved changes to Regulation 10 for the degree of Master of Education to ensure consistency with the General Regulations for the Examination in Master of Philosophy (by advanced study). The requirement to nominate a Chair of Examiners has been replaced by a requirement to nominate a Senior Examiner, by amending Regulation 10 so as to read:

**10.** The Degree Committee shall nominate for each academical year such number of Examiners and Assessors as they may deem sufficient, including a resident member of the Senate as Senior Examiner.

### With effect from 1 October 2017

The General Board, on the recommendation of the Degree Committee for the Faculty of Education, has approved a change in the pathways, to amend the title of the pathway in ‘Arts, creativity, education, and culture’ to ‘Arts, culture, and education’, and to rescind the pathway in ‘Science teacher researchers and practitioners’.

## Examination in American History for the M.Phil. Degree

*(Statutes and Ordinances, p. 478)*

### With effect from 1 October 2016

The General Board, on the recommendation of the Degree Committee for the Faculty of History, has approved changes to the special regulations for the M.Phil. Degree in American History, to provide editorial clarification and to distinguish between progression requirements, which must be met to allow a candidate to proceed to the examination, and the scheme of examination itself.

**1.** The scheme of examination for the one-year course of study in American History for the degree of Master of Philosophy shall consist of:

- (a) a thesis of not less than 15,000 words and not more than 20,000 words in length, including appendices, but excluding footnotes, tables, and bibliography, on a subject approved by the Degree Committee for the Faculty of History;
- (b) an essay of not less than 3,000 and not more than 4,000 words, chosen by the candidate from a prescribed list of essay questions, announced in the Faculty not later than the start of the Michaelmas Term and which falls within the field of study of the core course: Readings in American history and historiography;
- (c) two essays of not less than 3,000 and not more than 4,000 words in length, which fall within the fields of study of the candidate’s chosen optional courses, the list of which shall be published by the Degree Committee not later than the start of the Michaelmas Term. Candidates shall choose essay questions from a prescribed list, announced in the Faculty not later than the start of the term in which the option shall be offered.

**2.** At the discretion of the Examiners the examination may include an oral examination on the thesis and on the general field of knowledge within which it falls.

**3.** In order to proceed to the examination, candidates must satisfactorily complete the following, as prescribed by the Degree Committee:

- (a) a dissertation proposal essay of not more than 2,000 words in length related to the field of study chosen by the candidate and approved by the Degree Committee under Regulation 1(a);
- (b) a presentation on the subject of the candidate’s thesis.

## Examination in Architecture and Urban Design for the M.Phil. Degree

*(Statutes and Ordinances, p. 481)*

### With effect from 1 October 2016

The General Board, on the recommendation of the Degree Committee of the Faculty Board of Architecture and History of Art, has approved changes to the special regulations for the M.Phil. Degree in Architecture and Urban Design so as to clarify that candidates’ proposed topics for the design thesis and the four essays must be agreed by the Supervisor prior to being approved by the Degree Committee; to clarify that the fieldwork period may be of between six and nine months’ duration; and so as to widen the area in which fieldwork may be undertaken.

## Regulation 1.

By replacing the current regulation with a regulation so as to read:

1. Candidates for the two-year course of study in Architecture and Urban Design for the degree of Master of Philosophy shall be required to undertake fieldwork of between six and nine months' duration in their area of study approved by the Degree Committee for the Faculty of Architecture and History of Art.

## Regulation 2.

By replacing the first sentence of sub-paragraph (a) of the regulation with a sentence so as to read:

a design thesis, consisting of a written dissertation and a design project on a topic agreed by the Supervisor and approved by the Degree Committee for the Faculty of Architecture and History of Art.

By replacing sub-paragraph (b) of the regulation with a sub-paragraph so as to read:

(b) four essays or other exercises, each of between 3,000 and 5,000 words, on topics agreed by the Supervisor and approved by the Degree Committee;

The Faculty Board of Architecture and History of Art has confirmed that no candidate will be disadvantaged by the changes.

## Examination in Architecture and Urban Studies for the M.Phil. Degree

(*Statutes and Ordinances*, p. 481)

### With effect from 1 October 2016

The General Board, on the recommendation of the Degree Committee of the Faculty Board of Architecture and History of Art, has approved changes to the special regulations for the M.Phil. Degree in Architecture and Urban Studies so as to clarify that candidates' proposed topics for the thesis and the three essays or other exercises must be agreed by the Supervisor prior to being approved by the Degree Committee.

## Regulation 1.

By replacing sub-paragraphs (a) and (b) of the current regulation with sub-paragraphs so as to read:

- (a) a thesis, of not more than 20,000 words in length, excluding appendices and bibliography, on a topic agreed by the Supervisor and approved by the Degree Committee for the Faculty of Architecture and History of Art;
- (b) three essays or other exercises, each of between 3,000 and 5,000 words, on topics agreed by the Supervisor and approved by the Degree Committee.

The Faculty Board of Architecture and History of Art has confirmed that no candidate will be disadvantaged by this clarification.

## Examination in Earth Sciences for the M.Phil. Degree (by dissertation)

(*Statutes and Ordinances*, p. 489)

### With effect from 1 October 2016

The General Board, on the recommendation of the Degree Committee for the Faculty of Earth Sciences and Geography, has approved the proposal to allow the Degree Committee to recommend that a student attend appropriate courses to support her/his research and therefore has agreed to revise the final sentence of the special regulation so as to read:

The student may be required to attend appropriate courses as directed.

## Examination in Economic and Social History for the M.Phil. Degree

(*Statutes and Ordinances*, p. 489)

### With effect from 1 October 2016

The General Board, on the recommendation of the Degree Committee for the Faculty of History, has approved changes to the special regulations for the M.Phil. Degree in Economic and Social History, to provide editorial clarification and to distinguish between progression requirements, which must be met to allow a candidate to proceed to the examination, and the scheme of examination itself.

1. The scheme of examination for the one-year course of study in Economic and Social History for the degree of Master of Philosophy shall consist of:

- (a) a thesis, of not less than 15,000 and not more than 20,000 words in length, including appendices, but excluding footnotes, tables, and bibliography, on a subject approved by the Degree Committee for the Faculty of History;
- (b) a dissertation proposal essay of not more than 4,000 words in length related to the subject chosen by the candidate and approved by the Degree Committee under Regulation 1(a);
- (c) an essay of not less than 3,000 and not more than 4,000 words, chosen by the candidate from a prescribed list of essay questions, announced in the Faculty not later than the start of the Michaelmas Term and which falls within the field of study of the core course: Central concepts and problems of economic and social history;
- (d) two written exercises, to be taken under timed conditions, as specified by the Degree Committee and falling within the fields of study chosen by the candidate from a prescribed list of option courses, published by the Degree Committee not later than the start of the Michaelmas Term each year.

2. At the discretion of the Examiners the examination may include an oral examination on the thesis and on the general field of knowledge within which it falls.

3. In order to proceed to the examination, candidates must satisfactorily complete the following, as prescribed by the Degree Committee:

- (a) a presentation on the subject of the candidate's thesis;
- (b) attendance at modules run by the Social Sciences Research Methodology Centre, as prescribed by the Degree Committee, on subjects falling within the fields of survey methods, statistical methods, and ethnographic methods for economic and social historians.

### **Examination in Education for the M.Phil. Degree (by advanced study)**

*(Statutes and Ordinances, p. 490)*

#### **With effect from 1 October 2016**

The General Board, on the recommendation of the Degree Committee for the Faculty of Education, has approved changes to the special regulations for the examination in Education for the M.Phil. Degree so as to remove Option B, which will now form part of the special regulations for the Examination in Education (Research) for the M.Phil. Degree (by dissertation).

#### **With effect from 1 October 2017**

The General Board, on the recommendation of the Degree Committee for the Faculty of Education, has approved a change to the title of the pathway 'Arts, creativity, education, and culture' to 'Arts, culture, and education'.

### **Examination in Education (Research) for the M.Phil. Degree (by dissertation)**

#### **With effect from 1 October 2016**

The General Board, on the recommendation of the Degree Committee for the Faculty of Education, has approved Education (Research) as a subject for advanced study for the M.Phil. Degree (by dissertation) with effect from 1 October 2016. Special regulations for the examination in the subject have been agreed as follows:

#### EDUCATION (RESEARCH)

The scheme of examination for the one-year course of study in Education (Research) for the degree of Master of Philosophy shall consist of a thesis, of not more than 30,000 words in length, excluding footnotes, tables, appendices, and bibliography, on a subject approved by the Degree Committee for the Faculty of Education. The examination shall include an oral examination on the thesis and on the general field of knowledge within which it falls.

### **Examination in Engineering for Sustainable Development for the M.Phil. Degree**

*(Statutes and Ordinances, p. 491)*

#### **With effect from 1 October 2016**

The General Board, on the recommendation of the Degree Committee for the Faculty of Engineering, has approved amendments to the special regulations, so as to set eight required modules, to determine the dates on which the modules and forms of assessment are announced, and to provide more flexibility in the required exercises.

By replacing the existing regulation with the following:

1. The scheme of examination for the course of study in Engineering for Sustainable Development for the degree of Master of Philosophy shall consist of:

(a) eight modules selected from a list of mandatory and optional modules published by the Degree Committee for the Faculty of Engineering not later than the end of the Easter Term of the academical year preceding that in which the examination is to be held; the Degree Committee shall announce the form of assessment for these modules not later than the end of the Michaelmas Term of the academical year in which the examination takes place;

and

(b) additional exercises in the field of technology management and/or third-party engineering consultancy, of such nature and to be assessed in such manner as the Degree Committee shall determine; the Degree Committee shall announce the form of assessment not later than the end of the Michaelmas Term of the academical year in which the examination takes place;

and

(c) a thesis, of not more than 15,000 words in length, including footnotes, appendices, and bibliography, on a topic approved by the Degree Committee. Its assessment shall include an oral presentation of the project work on which the thesis is based.

2. The Degree Committee shall have the power to give Notice of additional optional modules not later than the end of the Michaelmas Term of the academical year of the examination.

3. The examination may include, at the discretion of the Examiners, an oral examination on the work submitted by the candidate under Regulation 1 above, and on the general field of knowledge within which such work falls.

## **Examination in Geographical Research for the M.Phil. Degree**

*(Statutes and Ordinances, p. 495)*

### **With effect from 1 October 2016**

The General Board, on the recommendation of the Degree Committee for the Faculty of Earth Sciences and Geography, has approved an amendment to the regulations so as to remove reference to an announced list of courses.

By amending Regulations 1(a) and (b) so as to read:

(a) two essays, each of not more than 4,000 words in length, on subjects of Geographical Research chosen by the candidate and approved by the Degree Committee for the Faculty of Earth Sciences and Geography;

(b) one essay of not more than 4,000 words and one workbook of assessment of materials on research methods on topics approved by the Degree Committee;

## **Examination in Geography for the M.Phil. Degree (by dissertation)**

*(Statutes and Ordinances, p. 496)*

### **With effect from 1 October 2016**

The General Board, on the recommendation of the Degree Committee for the Faculty of Earth Sciences and Geography, has approved the proposal to remove the final sentence of the special regulations, 'the student may be required to take taught courses as directed', as students are no longer asked to do this.

## **Examination in History of Art and Architecture for the M.Phil. Degree**

*(Statutes and Ordinances, p. 497)*

### **With effect from 1 October 2016**

The General Board, on the recommendation of the Degree Committee of the Faculty Board of Architecture and History of Art, has approved changes to the special regulations for the M.Phil. Degree in History of Art and Architecture so as to clarify that a candidate's proposed subject for the thesis and topics for the two essays must be agreed by the Supervisor prior to being approved by the Degree Committee.

Regulation 1.

By replacing the current regulation with a regulation so as to read:

1. The scheme of examination for the one-year course of study in History of Art and Architecture for the degree of Master of Philosophy shall consist of:

- (i) a thesis of not more than 15,000 words in length, including footnotes, but excluding appendices and bibliography, on a subject agreed by the Supervisor and approved by the Degree Committee for the Faculty of Architecture and History of Art;

and

- (ii) two essays, each not exceeding 6,000 words in length, on topics agreed by the Supervisor and approved by the Degree Committee.

The Faculty Board of Architecture and History of Art has confirmed that no candidate will be disadvantaged by this clarification.

## **Examination in Machine Learning, Speech, and Language Technology for the M.Phil. Degree**

*(Statutes and Ordinances, p. 500)*

### **With effect from 1 October 2016**

The General Board, on the recommendation of the Degree Committee for the Faculty of Engineering, has approved amendments to the special regulations, so as to permit the Degree Committee to substitute alternative modules from those normally required, in the case that students may have already taken the required module in a previous course.

By adding the following at the end of Regulation 1(a):

if a candidate has been examined on any of the mandatory modules as part of a previous degree, the Degree Committee shall announce by notice, not later than the end of the Michaelmas Term of the academical year of the examination, additional modules it deems to be equivalent which may be taken by such a candidate;

## **Examination in Modern British History for the M.Phil. Degree**

*(Statutes and Ordinances, p. 502)*

### **With effect from 1 October 2016**

The General Board, on the recommendation of the Degree Committee for the Faculty of History, has approved changes to the special regulations for the M.Phil. Degree in Modern British History, to provide editorial clarification and to distinguish between progression requirements, which must be met to allow a candidate to proceed to the examination, and the scheme of examination itself.

1. The scheme of examination for the one-year course of study in Modern British History for the degree of Master of Philosophy shall consist of:

- (a) a thesis of not less than 15,000 words and not more than 20,000 words in length, including appendices, but excluding footnotes, tables, and bibliography, on a subject approved by the Degree Committee of the Faculty of History;
- (b) an essay of not less than 3,000 and not more than 4,000 words, chosen by the candidate from a prescribed list of essay questions, announced in the Faculty not later than the start of the Michaelmas Term and which falls within the field of study of the core course: Debates in modern British history;
- (c) two essays of not less than 3,000 and not more than 4,000 words in length, which fall within the fields of study of the candidates chosen optional courses, the list of which shall be published by the Degree Committee not later than the start of the Michaelmas Term. Candidates shall choose essay questions from a prescribed list, announced in the Faculty not later than the start of the term in which the option shall be offered.

2. At the discretion of the Examiners the examination may include an oral examination on the thesis and on the general field of knowledge within which it falls.

3. In order to proceed to the examination, candidates must satisfactorily complete the following, as prescribed by the Degree Committee:

- (a) coursework (which may include written work, group work, and class participation) falling within the fields of study covered by the core course: Research challenge in modern British history;
- (b) a dissertation proposal essay of not more than 2,000 words in length related to the field of study chosen by the candidate and approved by the Degree Committee under Regulation 1(a);
- (c) a presentation on the subject of the candidate's thesis.

## Examination in Modern European History for the M.Phil. Degree

*(Statutes and Ordinances, p. 503)*

### With effect from 1 October 2016

The General Board, on the recommendation of the Degree Committee for the Faculty of History, has approved changes to the special regulations for the M.Phil. Degree in Modern European History, to provide editorial clarification and to distinguish between progression requirements, which must be met to allow a candidate to proceed to the examination, and the scheme of examination itself.

1. The scheme of examination for the one-year course of study in Modern European History for the degree of Master of Philosophy shall consist of:

- (a) a thesis of not less than 15,000 words and not more than 20,000 words in length, including appendices, but excluding footnotes, tables, and bibliography, on a subject approved by the Degree Committee for the Faculty of History;
- (b) an essay of not less than 3,000 and not more than 4,000 words, chosen by the candidate from a prescribed list of essay questions, announced in the Faculty not later than the start of the Michaelmas Term and which fall within the field of study of the core course: Controversies in modern European history;
- (c) two essays of not less than 3,000 and not more than 4,000 words in length, which fall within the fields of study of the candidate's chosen optional courses, the list of which shall be published by the Degree Committee not later than the start of the Michaelmas Term. Candidates shall choose essay questions from a prescribed list, announced in the Faculty not later than the start of the term in which the option shall be offered.

2. At the discretion of the Examiners the examination may include an oral examination on the thesis and on the general field of knowledge within which it falls.

3. In order to proceed to the examination, candidates must satisfactorily complete the following, as prescribed by the Degree Committee:

- (a) a dissertation proposal essay of not more than 2,000 words in length related to the field of study chosen by the candidate and approved by the Degree Committee under Regulation 1(a);
- (b) a presentation on the subject of the candidate's thesis.

## Examination in Philosophy for the M.Phil. Degree

*(Statutes and Ordinances, p. 505)*

### With effect from 1 October 2016

The General Board, on the recommendation of the Degree Committee of the Faculty Board of Philosophy, has approved changes to the special regulations for the M.Phil. Degree in Philosophy so as to allow candidates to be examined by one essay of not more than 4,000 words, one essay of not more than 8,000 words, and a thesis of not more than 12,000 words, in place of three essays of between 3,000 and 5,000 words and a thesis of not more than 15,000 words. Not more than one essay shall be chosen from each area. The list of subject areas has been updated by replacing 'Metaphysics' with 'Metaphysics and epistemology', 'Logic' with 'Logic and philosophy of language', and 'Ethics' with 'Ethics and moral psychology'.

Regulation 1.

By replacing the current regulation with a regulation so as to read:

1. The scheme of examination for the one-year course of study in Philosophy for the degree of Master of Philosophy shall consist of:

- (a) a thesis of not more than 12,000 words in length, including footnotes and appendices but excluding bibliography, on a subject approved by the Degree Committee for the Faculty of Philosophy;
- and
- (b) two essays, one of not more than 4,000 words in length, and one of not more than 8,000 words in length, including footnotes, and, except as provided below, each on a subject approved by the Degree Committee which is related to one or more of the following areas of Philosophy (including in each case the history of philosophy):

Metaphysics and epistemology  
 Philosophy of mind  
 Logic and philosophy of language  
 Philosophy of science

Ethics and moral psychology  
 Aesthetics  
 Political and legal philosophy

Not more than one essay shall be chosen from any one area. With the permission of the Degree Committee, one essay may be offered in an area which is not listed above but is related to Philosophy.

The Faculty Board of Philosophy has confirmed that no candidate will be disadvantaged by these changes.

## **Examination in Political Thought and Intellectual History for the M.Phil. Degree**

*(Statutes and Ordinances, p. 507)*

### **With effect from 1 October 2016**

The General Board, on the recommendation of the Degree Committee for the Faculty of History, has approved changes to the special regulations for the M.Phil. Degree in Political Thought and Intellectual History, to provide editorial clarification and to distinguish between progression requirements, which must be met to allow a candidate to proceed to the examination, and the scheme of examination itself.

1. The scheme of examination for the one-year course of study in Political Thought and Intellectual History for the degree of Master of Philosophy shall consist of:

- (a) a thesis of between 15,000 and 20,000 words in length, including appendices, but excluding footnotes, tables, and bibliography, on a topic approved by the Degree Committee for the Faculty of History;
- (b) two essays, each of not less than 5,000 and not more than 6,000 words, on topics chosen by the candidate and approved by the Degree Committee, which fall within the following fields:
  - 1. History of political thought
  - 2. Political theory
  - 3. Intellectual history

2. At the discretion of the Examiners the examination may include an oral examination on the thesis and on the general field of knowledge within which it falls.

3. In order to proceed to the examination, candidates must satisfactorily complete the following, as prescribed by the Degree Committee:

- (a) a dissertation proposal essay of not more than 2,000 words in length related to the field of study chosen by the candidate and approved by the Degree Committee under Regulation 1(a);
- (b) a presentation on the subject of the candidate's thesis.

## **Examination in Theoretical and Applied Linguistics for the M.Phil. Degree (by dissertation)**

### **With effect from 1 October 2016**

The General Board has approved Theoretical and Applied Linguistics as a subject for examination for the M.Phil. Degree (by dissertation) with effect from 1 October 2016. Special regulations for the examination in the subject have been agreed as shown below. This Notice supersedes the Notice published on 24 February 2016 (*Reporter*, 6416, 2015–16, p. 400); the existing regulations form the special regulations for the examination in Theoretical and Applied Linguistics (by advanced study).

1. The scheme of examination for the one-year course of study in Theoretical and Applied Linguistics for the degree of Master of Philosophy shall consist of a thesis of not more than 30,000 words in length, including footnotes, but excluding tables, appendices, and bibliography, on a topic approved by the Degree Committee not later than the end of the Full Michaelmas Term preceding the examination.

2. The examination shall include an oral examination on the thesis and on the general field of knowledge within which it falls. The thesis shall provide evidence to satisfy the Examiners that the candidate can design and carry out investigations, assess and interpret the results obtained, and place the work in the wider perspective of the subject.

## Examination in World History for the M.Phil. Degree

*(Statutes and Ordinances, p. 512)*

### With effect from 1 October 2016

The General Board, on the recommendation of the Degree Committee for the Faculty of History, has approved changes to the special regulations for the M.Phil. Degree in World History, to provide editorial clarification and to distinguish between progression requirements, which must be met to allow a candidate to proceed to the examination, and the scheme of examination itself.

1. The scheme of examination for the one-year course of study in World History for the degree of Master of Philosophy shall consist of:

- (a) a thesis of not less than 15,000 words and not more than 20,000 words in length, including appendices, but excluding footnotes, tables, and bibliography, on a subject approved by the Degree Committee for the Faculty of History;
- (b) an essay of not less than 3,000 and not more than 4,000 words, chosen by the candidate from a prescribed list of essay questions, announced in the Faculty not later than the start of the Michaelmas Term and which fall within the field of study of the core course: Debates in world history;
- (c) two essays of not less than 3,000 and not more than 4,000 words in length, which fall within the fields of study of the candidate's chosen optional courses, the list of which shall be published by the Degree Committee not later than the start of the Michaelmas Term. Candidates shall choose essay questions from a prescribed list, announced in the Faculty not later than the start of the term in which the option shall be offered.

2. At the discretion of the Examiners the examination may include an oral examination on the thesis and on the general field of knowledge within which it falls.

3. In order to proceed to the examination, candidates must satisfactorily complete the following, as prescribed by the Degree Committee:

- (a) a dissertation proposal essay of not more than 2,000 words in length related to the field of study chosen by the candidate and approved by the Degree Committee under Regulation 1(a);
- (b) a presentation on the subject of the candidate's thesis;
- (c) language training in a language offered by the University Language Centre and relevant to the subject of research as agreed by the Director of the Master of Philosophy programme.

## Examination in Gas Turbine Aerodynamics for the M.Res. Degree

*(Statutes and Ordinances, p. 515)*

### With effect from 1 October 2016

The General Board, on the recommendation of the Degree Committee for the Faculty of Engineering, has approved amendments to the special regulations, so as to remove the oral presentation from the assessment of the project work, and to require the Degree Committee to announce the form of assessment for the mini-projects by the end of the Michaelmas Term.

By adding the following to Regulation 1(b):

to be assessed in such manner as the Degree Committee shall determine; the Degree Committee shall announce the form of assessment not later than the end of the Michaelmas Term of the academical year in which the examination takes place;

By removing the following phrase from Regulation 1(d):

its assessment shall include an oral presentation of the project work on which the thesis is based

## Examination in Graphene Technology for the M.Res. Degree

*(Statutes and Ordinances, p. 516)*

### With effect from 1 October 2016

The General Board, on the recommendation of the Degree Committee for the Faculty of Engineering, has approved amendments to the special regulations, so as to permit the Degree Committee to substitute alternative modules from those normally required, in the case that students may have already taken the required module in a previous course.

By adding the following at the end of Regulation 1(a):

if a candidate has been examined on any of the mandatory modules as part of a previous degree, the Degree Committee shall announce by notice, not later than the end of the Michaelmas Term of the academical year of the examination, additional modules it deems to be equivalent which may be taken by such a candidate;

### **Examination in Advanced Subject Teaching for the M.St. Degree**

*(Statutes and Ordinances, p. 522)*

#### **With effect from 1 October 2016**

The General Board has approved a request from the Degree Committee of the Faculty of Education, supported by the Strategic Committee of the Institute for Continuing Education, for admission to the M.St. in Advanced Subject Teaching to be conducted biennially. The next cohort will be admitted in October 2017.

### **Examination in History for the M.St. Degree**

*(Statutes and Ordinances, p. 526)*

#### **With effect from 1 October 2016**

The General Board has approved a request from the Degree Committee of the Faculty of History, supported by the Strategic Committee of the Institute for Continuing Education, for admission to the M.St. Degree in History to be conducted biennially. The next cohort will be admitted in October 2016, and biennially thereafter.

## **NOTICES BY FACULTY BOARDS, ETC.**

### **Chemical Engineering Tripos, Part IIB, 2016–17: Modules**

The Chemical Engineering and Biotechnology Syndicate gives notice that the modules available for study in the academical year 2016–17 will be as follows.

Topics in Group A and Group D are compulsory for all candidates. The regulations specify that each candidate takes a total of six modules from Groups B and C. The Chemical Engineering and Biotechnology Syndicate imposes the restriction that at least two of these modules should be chosen from Group B, and at least two should be chosen from Group C. Further, at least two of the six modules chosen from Groups B and C should be assessed principally or entirely by written examination.

<i>Group</i>	<i>Number and title of module</i>	<i>Mode of assessment</i>
A	A1: Compulsory topics	Examination
	A2: Chemical product design	Coursework
B	B1: Advanced transport processes	Examination
	B3: Pharmaceutical engineering	Examination
	B4: Rheology and processing	Examination
	B5: Computational fluid dynamics	Coursework
	B6: Fluid mechanics and the environment	Examination
	B7: Interface engineering	Exam and coursework
	C	C1: Optical microscopy
	C2: Optimization	Examination
	C3: Healthcare biotechnology	Coursework
	C4: Entrepreneurship	Coursework
	C5: Foreign language	Coursework
	C6: Biosensors	Coursework
	C7: Bionanotechnology	Exam and coursework
	C8: Biophysics	Examination
D	Research project	

## Bachelor of Theology for Ministry and Diploma in Theology for Ministry, 2016–17: Special subjects and prescribed texts

The Faculty Board of Divinity has selected the special subjects and prescribed texts for the Bachelor of Theology for Ministry and the Diploma in Theology for Ministry in 2017 (*Statutes and Ordinances*, pp. 423 and 560). Details of these special subjects and prescribed texts are available at <http://www.admin.cam.ac.uk/reporter/2015-16/weekly/6431/BTheol-DipTheol-2017.pdf>.

## Examination in Advanced Chemical Engineering for the M.Phil. Degree, 2016–17: Modules

The Degree Committee for the Faculty of Engineering gives notice that the mandatory and optional modules available for study for the M.Phil. Degree in Advanced Chemical Engineering in the academical year 2016–17 and the form of examination of each module will be as follows:

### Mandatory modules

<i>Ref.</i>	<i>Name</i>	<i>Mode of assessment</i> <sup>1</sup>	<i>Timing</i> <sup>2</sup>
DA	Data analysis	Coursework	LT
MOTI	Management of technology and innovation	Coursework	MT/LT
NM	Numerical methods in chemical engineering	Coursework	MT

### Optional modules

<i>Ref.</i>	<i>Name</i>	<i>Mode of assessment</i> <sup>1,3</sup>	<i>Timing</i> <sup>2</sup>
B1	Advanced transport processes	Examination	TBC
B3	Pharmaceutical engineering	Examination	TBC
B4	Rheology and processing	Examination	TBC
B6	Fluid mechanics and the environment	Examination	TBC
B7	Interface engineering	Examination and coursework	TBC
C1	Optical microscopy	Examination	TBC
C2	Optimization	Examination	TBC
C3	Healthcare biotechnology	Coursework	TBC
C7	Bionanotechnology	Examination and coursework	TBC
C8	Biophysics	Examination	TBC
4B5	Nanotechnology	Examination and coursework	MT
4E3	Information systems	Coursework	MT
4E4	Management of technology	Coursework	MT
4E5	International business	Coursework	LT
4E11	Strategic management	Coursework	LT
4G2	Biosensors	Coursework	LT
4G4	Biomimetics	Coursework	LT
4I7	Electricity and environment	Coursework	LT
4M14	Sustainable development	Coursework	MT
4M15	Sustainable energy	Examination and coursework	LT
4M16	Nuclear power engineering	Examination	LT
4M18	Present and future energy systems	Examination	MT

The Degree Committee for the Faculty of Engineering reserves the right to add to this list during the Michaelmas Term 2016.

<sup>1</sup> Any written coursework item has a limit of 10,000 words. Any in-class tests will be of no more than 90 minutes' duration (excluding designated reading time)

<sup>2</sup> MT = Michaelmas Term; LT = Lent Term; TBC = To be confirmed

<sup>3</sup> All written examinations are of 90 minutes' duration (excluding designated reading time)

## Examination in Computational Biology for the M.Phil. Degree, 2016–17

The Degree Committee for the Faculty of Mathematics gives notice that the modules to be offered in 2016–17 and their methods of assessment are as set out below (see *Statutes and Ordinances*, p. 485). Candidates for the degree must offer all modules for examination unless otherwise stated.

<i>Term offered</i>	<i>Module</i>	<i>Abbreviation</i>
Michaelmas	Functional genomics	FG
	Genome informatics	GI
	Scientific programming	SP
	Genome sequence analysis (half module)	GSA
Lent	Structural biology	SBP
	Computational neuroscience	CN
	Population genetic analysis of genomic data	PG
	<i>Either</i> Approximate Bayesian computation (half module) <i>or</i> Biological imaging and analysis (half module)	ABC
Easter	Systems biology	SB

Each module for this course is assessed by no more than two or three coursework assignments, each involving an element of computational or theoretical work. The expected maximum submission length for each piece of work is twenty pages, excluding any appendices.

In addition to the offered modules, students sit a two-hour general examination in the Easter Term on the material taught within the modules.

Students are also required to complete an internship project which is assessed by a report of no more than 18,000 words and a presentation.

The weighting for the examination in Computational Biology is out of 12, divided as follows: each module is weighted at 1, and half modules at 0.5, meaning a total weighting of 8 for the modules. The general examination is weighted at 1. The internship project is weighted at a total of 3, with 2.5 for the report and 0.5 for the presentation.

## Examination in Micro- and Nanotechnology Enterprise for the M.Phil. Degree, 2016–17

The Degree Committee for the Faculty of Physics and Chemistry gives notice that the modules available to candidates for the degree of Master of Philosophy in Micro- and Nanotechnology Enterprise in the academical year 2016–17 will be as follows:

All modules assessed by examination will be examined in two three-hour examinations.

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
NE.01	Characterization techniques	Examination
NE.02	MEMS design	Coursework
NE.03	Materials and processes for MEMS	Coursework
NE.04	Nanofabrication techniques	Examination
NE.05	Nanomaterials	Examination
NE.06	Nanochemistry	Examination
NE.07	Physics at the nanoscale	Examination
NE.08	Bionanotechnology	Examination
NE.09	Nanoelectrochemistry	Examination
NE.10	Energy materials	Examination
NE.11	Nano self assembly	Examination
MoTI	Science and communication in business	Coursework
	Science and communication in media	Coursework
	Science and communication in research	Coursework
	Societal and ethical dimensions of nanotechnology	Coursework
MoTI	Management of technology innovation	Coursework

## REPORTS

### First-stage Report of the Council on the construction of an off-site storage facility for low-use library material

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

1. In this Report the Council is seeking approval in principle for the construction of a new building on a plot at Lancaster Way Business Park, Ely, for the long-term storage of low-use, printed library material.

2. On-site, immediate access to print collections which directly support teaching, learning, and research is highly valued and is critical to the work of academic staff and students. Work undertaken since 2013 has demonstrated, however, that at least 98,000 linear metres of shelf space across the University's libraries is taken up by unique but low-use print materials which do not need to be available for immediate access on-site. This is estimated to grow to 106,000 linear metres by 2030.

3. The capital and opportunity costs of continuing with a policy of on-site storage for all of the University's printed library materials are high. The University Library's capacity to store books at the current rate of intake will be exhausted in the foreseeable future; a further extension has been considered but would be neither cost-effective nor straightforward to implement. Space on other University sites is extremely constrained, and the removal off-site of low-use library material will enable strategic planning and re-use of the University's core estate for other purposes.

4. A capital project to develop an off-site storage facility was registered with the Planning and Resources Committee in 2012, following consultation with the General Board, the Councils of the Schools, and other stakeholders. A feasibility study was subsequently undertaken with participation from Faculty and Departmental libraries across the University, in addition to the University Library itself. The project has the full support of the Library Syndicate.

5. As part of the development of this project a thorough review of freehold land within a 50-mile radius of

Cambridge was undertaken. More than thirty sites were considered and referenced against size and configuration, ground conditions, neighbouring occupiers, acquisition costs, transport links, and planning consents. The proposal to acquire the site at Lancaster Way, Business Park, Ely, was considered and approved by the Finance Committee at its meeting on 8 July 2015.

6. The building will provide storage for up to 106,000 linear metres of low-use, printed library material and will comprise a gross internal area of approximately 5,000m<sup>2</sup>. Material held at the off-site storage facility will be made available to staff and students via a regular retrieval service.

7. The Full Case for this facility was approved by the Planning and Resources Committee on 24 June 2015. Estate Management and the University Library have subsequently undertaken a rigorous tender process in order to achieve a fully market-tested cost for the project, which will follow a single-stage 'Design and Build' approach which is uncommon within the University but suitable for this more industrial facility. The Planning and Resources Committee, at its meeting on 22 June 2016, agreed that the project could proceed within a budget of £17.1m, including land costs. 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 in due course to seek approval for implementation of the project.

8. The project is planned to be completed so that the new building is operational by May 2018.

9. A plan showing the location of the proposed new building is shown below.

#### 10. The Council recommends:

I. That approval in principle be given for the construction of an off-site storage facility for low-use library material.

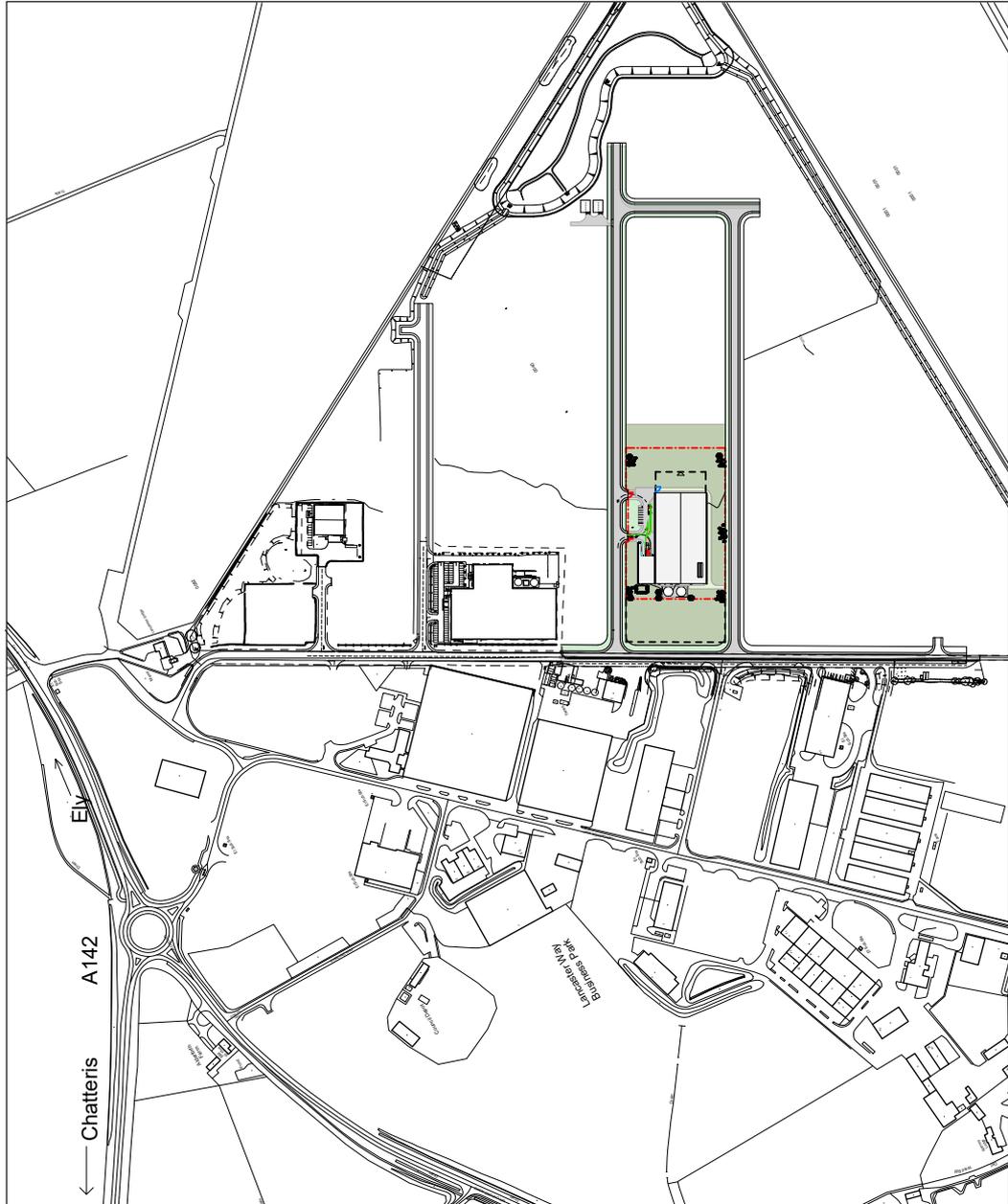
II. That the Director of Estate Strategy be authorized to apply for detailed planning approval in due course.

22 June 2016 L. K. BORYSIEWICZ, *Vice-Chancellor*  
 ROSS ANDERSON  
 RICHARD ANTHONY  
 JEREMY CADDICK  
 R. CHARLES  
 ANNE DAVIS

DAVID GOOD  
 ALICE HUTCHINGS  
 FIONA KARET  
 STUART LAING  
 PRISCILLA MENSAH

RACHAEL PADMAN  
 SHIRLEY PEARCE  
 MICHAEL PROCTOR  
 JOHN SHAKESHAFT  
 SARA WELLER

**Location plan of the proposed off-site storage facility for low-use library material**



## OBITUARIES

### Obituary Notice

Dr RONALD (JIMMY) GEORGE JAMES, Ph.D., Emeritus Fellow of Darwin College, died on 16 June 2016 aged 84 years.

## GRACES

### Grace submitted to the Regent House on 22 June 2016

The Council submits the following Grace to the Regent House. This Grace, unless it is 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, 1 July 2016.

1. That, with effect from 1 October 2016, the Winifred Georgina Holgate Pollard Memorial Prize Fund be established in the University, to be governed by the following regulations:<sup>1</sup>

#### WINIFRED GEORGINA HOLGATE POLLARD MEMORIAL PRIZES

1. A bequest received by the University, together with such other sums as may be received or applied for the same purpose, shall form an endowment fund called the Winifred Georgina Holgate Pollard Memorial Prize Fund, to accord recognition to the most outstanding results obtained in Tripos examinations or any other examination deemed equivalent by the Managers ('Equivalent').

2. The Managers shall be three persons, of whom one shall be the Chair, appointed by the General Board and shall be responsible for the administration of the Fund.

3. Subject to Regulation 4, the income of the Fund shall be used to provide prizes, which shall be called the Winifred Georgina Holgate Pollard Memorial Prizes. The Prizes shall be awarded each year by the Managers to the candidate or candidates whom the Examiners of each Tripos Part or Equivalent consider to have achieved the most outstanding results in that Tripos Part or Equivalent. The Managers may in their absolute discretion

(a) determine a formula for assessing the amounts to be allocated to each Tripos Part (or subject within that Tripos Part) or Equivalent; and such formula may be varied in the future as determined by the Managers; and

(b) on the recommendation of the Examiners, award more than one Prize from the portion of the income available for that Tripos Part or Equivalent.

4. The Managers shall in each year, prior to any other expenditure from the income generated from the Fund, add to the capital of the Fund such amount (if any) of the income as shall be calculated as necessary to seek to maintain the real value over time of the Fund in perpetuity and thereafter any remaining income generated from the Fund shall be used to award the Prizes. The Managers may in their absolute discretion provide that part only of the remaining income is expended on the provision of prizes in any year and that the surplus be added to the capital of the Fund.

5. The University shall publish the names of the recipients awarded the Prizes in the *Reporter*. Each recipient shall receive a certificate recording the award of the Prize.

<sup>1</sup> See the Vice-Chancellor's Notice (p. 679).

## ACTA

### Congregation of the Regent House on 15 June 2016: Honorary Degrees

A Congregation of the Regent House was held this day at 2.45 p.m. The Chancellor was present. Before the Congregation processions formed and then entered the Senate-House by the East Door.

Music was performed at the Congregation by the Concentus Brass Ensemble, by Ms Julia Hwang of St John's College, and by members of the choirs of Christ's College and Fitzwilliam College. The programme of music was arranged by the University Organist, Stephen Cleobury, C.B.E., Fellow of King's College.

The following titular degrees were conferred:

*Doctor of Law (honoris causa)*

**TANNI, Baroness GREY-THOMPSON**, D.B.E., D.L.,  
*Paralympic athlete and gold medallist, Chancellor of the University of Northumbria, President of the National Council for Voluntary Organisations*

*Doctor of Law (honoris causa)*

**HELENA MORRISSEY**, C.B.E., M.A.,  
*of Fitzwilliam College, business leader and gender champion, Chief Executive Officer of Newton Investment Management, Founder and Chair of the 30% Club*

*Doctor of Medical Science (honoris causa)*

**KEITH PETERS**, Kt, M.A., F.R.C.P., F.R.S., F.MED.SCI.,  
*Honorary Fellow of Christ's College and Clare Hall, physician and immunologist, Regius Professor of Physic Emeritus*

*Doctor of Science (honoris causa)*

**JONATHAN IVE**, K.B.E., R.D.I., HON. F.R.ENG.,  
*Designer, Chief Design Officer, Apple Inc.*

*Doctor of Letters (honoris causa)*

**NICHOLAS HYTNER**, Kt, B.A.,  
*Honorary Fellow of Trinity Hall, director of theatre, film, and opera, formerly Director of the National Theatre*

*Doctor of Letters (honoris causa)*

**NICHOLAS SEROTA**, Kt, C.H., B.A.,  
*Honorary Fellow of Christ's College, art historian and museum director, Director of the Tate*

*Doctor of Music (honoris causa)*

**JOANNA MACGREGOR**, O.B.E., B.A., F.T.C.L., F.R.A.M.,  
*Honorary Fellow of Murray Edwards College, pianist, conductor and composer, Professor of the University of London, and Head of Piano at the Royal Academy of Music*

The Orator delivered the following speeches when presenting to The Chancellor the recipients of these Honorary Degrees:

**A**GMEN nostrum haec ducit mulier ἐλαίᾳ στεφανωθείσα Πισάτιδι. admonuerat auus ut alta a semper etiam caulem ictura peteret; quibus praeceptis penitus in animo infixis et exercitationis commentariis praescriptis, omnia impedimenta superauit ut κῦδος ἄβρον sibi compararet. ‘follem in corbem suspensum iactare uolueram,’ inquit, ‘sed eodem sum cerebro quo Bolanus.’ athleticae igitur arti deuota palmarum seriem tam splendidissimam abstulit ut haud errem si eam cui infanti soror nomen Tenui dederit inter omnes non modo in Parolympiaco sed quolibet in stadio competitores tandem eminuisse dicam. quippe tanta ui et uelocitate sedem rotalem praecipitem in curriculo agitabat ut ne Atalanta quidem eam cursu superare potuisset.

etsi non diu de laureis contendit, neque ad otium se remouit neque e procerum subselliis modo eos defendere amat qui se defendendi carent potestate. attamen cum non minus oratori desit spiritus quam deficiat orationi spatium quo quot causis patrocinio suo faueat recorder, hoc unum adduco quod nuper ut ad eos attenderemus quibus per speciem parsimoniae et publici sumptus minuendi causa ius sellulae gestatoriae ad se aptatae habendae ademptum esset extra parlamentum in chiramaxio se instruxit. num ipsa Boudicca curru uecta suorum Icenorum umquam ferocior erat defensor?

sed ut summam faciam, Magistri, adest quae se magnum nobis praebet exemplum eorum qui athletarum certaminibus homines omnes excitare et ad maiora incitare uelint, de qua scripsisset Pindarus: αὕτη ἐγὼ ταχυτάτι χειρες δὲ καὶ ἦτορ ἴσον.

dignissime domine, Domine Cancellarie, et tota academia, praesento uobis egregiam hanc mulierem, excellentissimi ordinis Imperi Britannici dominam commendatricem, Reginae Maiestatis apud Eboracensis septemtrionalis pro legato, concili manuum uoluntariarum praesidem, Vniuersitatis Northumbriae cancellariam, laureis Parolympiacis coronatam,

TANNI, Baronissam GREY-THOMPSON,  
ut honoris causa habeat titulum gradus Doctoris in Iure.

*OUR procession today is led by a woman crowned with Olympian olive. Her grandfather's advice had been 'Aim high, even if you hit a cabbage.' Having taken these words to heart, and with them inscribed on the front page of her training diaries, she overcame all obstacles to win for herself fame and glory. 'I had wanted to play wheelchair basketball,' she says, 'but I didn't have the temper for it.' And so she took up athletics. There followed a series of medals so numerous that it would be fair to say that the child whose sister named her 'Tiny' came to tower over all her competitors. Indeed, so fast did she propel herself along the track that I doubt whether Atalanta herself could have outpaced her.*

*She no longer competes for athletic laurels, but she has not retired to a life of leisure. Nor is it only from the House of Lords that she lends her voice to the defence of those who cannot defend themselves. There is not time to list the causes which she supports with her patronage, nor does your Orator have sufficient voice; let me therefore relate this one thing, that recently she sat outside Parliament in a wheelbarrow to draw attention to the plight of those who, in the name of cuts and austerity, have lost the right to a properly adapted wheelchair. Was Boudicca in her chariot ever such a champion?*

*She is a shining example of the Paralympic aim to inspire and excite the world. It could have been she of whom Pindar said, 'She is unrivalled in speed, with hand and heart to match.'*

*Distinguished Chancellor, members of the University, I present to you*

TANNI, Baroness GREY-THOMPSON, D.B.E., D.L.,  
*President of the National Council for Voluntary Organisations,  
Chancellor of the University of Northumbria,  
Paralympic athlete,*

*that she may receive the title of the degree of Doctor of Law, honoris causa.*

**H**OSPITI alteri huic nostrae labore breuissimum post primum filium natum tempus intermisso ('iniquissimum tunc erat faenus,' inquit. 'quid faciendum erat nisi ad desudandum redire?') roganti qua re se praeterita uir nescioquis ad gradum ampliorem perductus esset, respondit imperator parum scilicet studi eam operibus adhibituram si cacoethes haberet parturiendi. quid ad haec? 'quid nouare queas,' ait, 'quid nequeas noscendum.' liberaliores igitur ad consocios se contulit quorum sine mora tota administrationi praefecta est. quod si indoctum illum uirum omnis humanitatis expertem permansurum iudicat, non de negotiatoribus expoliendis omnino desperat. sodalitatem condidit ad mulieres promouendas et inter negoti gubernatores conscribendas quae cum earum numerus quintum hunc post annum paene triplicatus sit (tum quidem uix decimam quamque inter rectores sedem occupauerunt feminae), quis dubitat quin metam iam iam contactura esse uideatur?

'at enim quid hoc ad me?' forsan obiciatur. 'nec mulier sum ego, nec, si essem, ueri simile esset me in rectorum collegium cooptatum iri!' at illa non de mulieribus tantum sed de ciuitatis prosperitate disputari respondet. 'aspice enim quanta tempestate rerum oeconomicarum nuper iactati simus. an melius id euenisse putas quod unius atque eiusdem generis homines gubernarint?' adde quod iniuria mulieres sunt exclusae: et iniuriam ubicumque uidet sibi extirpandam iudicat.

neque in negotiis tantum uerum etiam in ludis iniquitati se opponit. quotiens enim haud iuste alio cursu uiris, alio feminis laureas in remigando petendas esse audiuius querentes! per hanc mulierem stat ut eodem die super eandem fluminis partem utriusque nunc currant (bis iam quae fuerint uictrices silentio premamus!) nec diutius remigantium certamen sed certamina celebrare soleamus.

dignissime domine, Domine Cancellarie, et tota academia, praesento uobis egregiam hanc mulierem, excellentissimi ordinis Imperi Britannici commendatricem, Collegi de Fitzwilliam alumnam, Magistram in Artibus, Collocatoribus Newtonianis praefectam, Ternae Decumae Sodalitatis conditricem et praesidem, negotiatricem et mulierum propugnatricem,

HELENA MORRISSEY,

ut honoris causa habeat titulum gradus Doctoris in Iure.

**S**HORTLY after the birth of her first son, having taken a very brief period of maternity leave (*'Interest rates were at 15%,'* she says. *'I had no choice but to go back to work.'*) our second guest was passed over for promotion. When she asked why, her manager replied that he doubted her commitment, now that she wanted to raise a family. What to do? *'It is important to recognize what you can change and what you can't'*, she says. And so she left to take up a post with more enlightened colleagues, where she soon became Chief Executive Officer. Yet while that former manager may have been beyond redemption, she did not give up all hope of civilising the captains of industry. She founded the 30% Club, devoted to increasing the proportion of women in the nation's boardrooms. Then they numbered just twelve per cent of company directors. Five years later the figure is at twenty-six per cent, and the goal is in sight.

*'Well what's that to do with me?'* someone might object. *'I'm not a woman. And even if I were, I'd not be asked to join a FTSE company board.'* *'But it's not a women's issue, it's an economic issue,'* she replies. *'You can go back to the financial crisis as evidence that having one type of person running companies didn't necessarily yield the best result.'* *'It is moreover a matter of injustice; and wherever she sees something unjust, she wants to change it.'*

*It is not only in business but also in sport that she champions equality. It was a frequent cause for complaint that men and women competed for rowing blues on different courses, but thanks to the efforts of our honorand, twice now both events have been contested on the Tideway on the same day (I prefer not to recall which of the women's crews was victorious on either occasion), so that at last we talk not of the Boat Race, but of the Boat Races.*

*Distinguished Chancellor, members of the University, I present to you*

HELENA MORRISSEY, C.B.E., M.A.,

*of Fitzwilliam College,*

*Chief Executive Officer of Newton Investment Management,*

*Founder and Chair of the 30% Club,*

*business leader and gender champion,*

*that she may receive the title of the degree of Doctor of Law, honoris causa.*

**I**OANNEM quendam tradunt ab Henrico rege primum apud nos artis dictae physicae professorem creatum (quo de nomine plura posthac dicam) in studiis suis totum uersatum operam uix ullam discipulis dedisse. sed tempora mutantur, ut est in prouerbio, nos et mutamur in illis: hospes hic noster qui quintus et uicensimus eandem sedem occupauit non minoris momenti alios docere habet quam res inuestigare. et si, ut ait ipse, magistri ab iis iudicandi sunt quos emittunt alumnos, eos aspiciate qui et hic et apud Londiniensis ab eo instructi omnibus iam in partibus nomen sibi compararunt, inter quos et reuerendissimus noster Pro-Cancellarius numeratur.

priusquam huc aduenit plerique eorum qui in arte Hippocratica progrediendi erant studiosissimi studia hic incepta alibi pergere malebant. hoc tamen sub duce schola clinices nostra magna ui pecuniae collocata adiuuantibusque pharmacopolis amplificata et paene e radicibus renouata ita effloruit ut nullus iam sit locus neque tam longinquus neque tam reconditus quo nomen Cami non peruaserit.

sed ut ad uerbum φυσικήν redeamus, Magistri, ita scientiam naturalem Graece significari quis nescit? et Hippocraten ipsum, medendi artis auctorem conditoremque, si quis hominis naturam intellegere uelit omnium rerum naturam indagandam aiunt monuisse. non inepte igitur Henricus hoc nomen professori suo imposuit; non inepte hic uir, cuius propter labores Panacaea et Sapiencia inter se coniunctae altera alteram hac in urbe nutriunt corroborantque, illi sellulae insedit; non inepte denique titulo neque ex huius neque ex illius deae nomine sed ex ambobus confusis deducto eum iam honestamus.

dignissime domine, Domine Cancellarie, et tota academia, praesento uobis egregium hunc uirum, equitem auratum, Magistrum in Artibus, Regalis Medicorum Collegi sodalem, Regiae Societatis sodalem, Scientiarum Medicinalium Academiae sodalem, Collegi Christi necnon Aulae Clarae honoris causa socium adscitum, Regium Physicae Professorem emeritum, medicum et scientiae immunitatis indagatorem,

KEITH PETERS,

ut honoris causa habeat titulum gradus Doctoris in Scientiis Medicinalibus.

**T**HE *first Regius Professor of Physic (I shall return to the title presently) was one John Blyth. On appointment, it is said, he turned entirely to his own work and gave no more thought to his students. Times change. Our next guest, the twenty-fifth man to occupy that same chair, considered teaching and research to be equally important; and if, as he himself has said, you can judge an academic department by the quality of its alumni, consider those who conducted their studies under Sir Keith's tutelage both here and in Hammersmith—among them our own Vice-Chancellor—and who have won renown across the globe.*

*Before he came to us, the majority of our medical students went elsewhere to complete their clinical training. Under his leadership, with considerable investment and with the co-operation of the pharmaceutical industry, our Clinical School has grown (and indeed been almost completely rebuilt) and has so flourished that its reputation is known the world over.*

*Let me return to the title 'physic'. That it is the Greek word for 'natural science' I am sure you are all aware. Hippocrates himself, the founder of medicine, advised (so they say) that to understand the nature of man you must understand the nature of all things. It is fitting, then, that Henry VIII bestowed this name upon his professor. It is fitting, too, that this man held that professorship: he ensured that Medicine and Science co-operate with one another in this University to the greater benefit of both. And it is fitting, finally, that today we honour him with a degree whose title is drawn not from the one discipline, nor from the other, but from both together.*

*Distinguished Chancellor, members of the University, I present to you*

KEITH PETERS, Kt, M.A., F.R.C.P., F.R.S, F.Med.Sci.,

*Honorary Fellow of Christ's College and of Clare Hall,*

*Regius Professor of Physic Emeritus,*

*physician and immunologist,*

*that he may receive the title of the degree of Doctor of Medical Sciences, honoris causa.*

**G**RAECVS quidam artificiosissimus—nonnulli eum Archimeden fuisse tradunt—machinationem subtilem olim construxit quae orbiculis denticulatis innumerabilibus uersatis solis defectiones praedicere et acubus super aes politum ductis erraticarum fixarumque stellarum cursus ac motus describere poterat. mirandam hanc rem ab Atheniensibus custoditam quamquam nunc uetustate exesam marisque limo concretam nil nisi horologium esse credas.

adest iam alius qui instrumento computatorio horologii speciem imposuit sed tam pusillam ut ad manum portetur. idem ratiocinatori olim dedit formam curuatam luculentoque colore distinctam quae ne sessorio quidem dedecori esset; idem iterum figuram graciliorem albo metallo tam tenui eductam ut ipso aere leuior esse dicatur. eiusdem est quod telephonio digitorum argutiis imperatur. eidem debetur cistellula illa quae symphoniacorum fontem uidetur continere. num cui operam dat quin melius fiat? en, graphide nuper renouata, si famae est credendum, et tibi, inferne magister, ensem fulminantem rudiore lamina magis tremendum praebuit.

cum intimam eius officinam imaginari conor, quo nemo nisi fidissimus consiliorum particeps admittitur, cum abdita illa penetralia mente depingo ubi daedalis ingentibusque machinationibus quaeuis materies secatur torquetur insolitas in formas deducitur, eius fabricae imago ante oculos cadit, in qua, ut dixit Vergilius, ferrum exercebant uasto Cyclopes in antro,<sup>1</sup> dum fulmina Iouis acuunt, dum Mineruae Gorgona poliunt, dum parte alia Marti currumque rotasque uolucres instant. sunt etiam qui raedam a te conceptam, domine, audissime exspectant. nec uero dubitauerim quin te Volcani heredem nominem, si modo, ut tu ipse, ille deus malum inaurare potuisset.

dignissime domine, Domine Cancellarie, et tota academia, praesento uobis egregium hunc uirum κλυτόμητῖν τε καὶ κλυτοτέχνην, excellentissimi ordinis Imperi Britannici equitem commendatorem, Fabrorum Regiae Academiae honoris causa sodalem adscitum, apud Cupertinensis pro praeside rebus designandis praefectum, rerum creatorem,

JONATHAN IVE,

ut honoris causa habeat titulum gradus Doctoris in Scientiis.

<sup>1</sup> Verg. *Aen.* 8.424.

**A**N *unknown Greek*—some say it was Archimedes—invented a clever device which, through the turning of countless cogs could predict eclipses and describe the motions of the stars and planets with needles on a polished bronze disc. You can see this remarkable machine in Athens, now eaten away by age and covered in marine accretions. It looks very much like a carriage clock.

*This man too has made a computer that looks like a timepiece—but one so small it can be worn on the wrist. The same man gave the iMac its curves and bright colours, so that it would not look out of place in a living room; and he made a laptop of brushed metal so thin it is said to weigh no more than air. It is thanks to him that you control your telephone with your fingertips; and to him we owe the tiny pod which seems to contain countless orchestras. Is there anything whose design he could not improve? Why, recently he reinvented the pencil, and, if the story be true, gave the Sith lord a lightsaber with a rougher and more fearsome blade.*

*When I imagine his secret workshop, to which none but his most trusted colleagues are admitted; when I try to picture that holy of holies where gigantic, complicated machines can cut and twist and form any material into any shape, I conjure up an image of Vulcan's forge, where, according to Virgil, the Cyclopes worked their metal in a giant cave, as they sharpened Jove's thunderbolts and polished Athena's aegis and built the wheeled chariot of Mars—and indeed there are some who cannot wait for this man to design a car. I could describe him as Vulcan's heir; but unlike our honorand, Vulcan could not turn an apple into gold.*

*Distinguished Chancellor, members of the University, I present to you*

JONATHAN IVE, K.B.E, R.D.I, Hon. F.R.Eng.,

*Chief Design Officer, Apple Inc., designer,*

*that he may receive the title of the degree of Doctor of Science, honoris causa.*

**A**CERBAM illam anum meministis, quae plaustrum automatarium in domus aditu positum iii Alustra habitabat? in scaena eam scriptorem geminatum obiurgare an in uelo cinematographico potius nuper repraesentatam uidistis? aut corpulentum illum Hectorem non in amore quam in birota fortunatiorem? aut quidem Lyram quae aurea cum pyxide superbo Magisterio in intermundiis resistebat? hos omnes nobis produxit hic uir. quod si apud mimos soccatos ad siparium obrepentes eum petitis, fortasse nebuloni binis dominis seruienti irrisistis, fortasse etiam in scaenam adductis uobis ipsis irrisum est. sin autem melico in theatro quaeritur, quis puella Saigonensi pulcherrima coronata non gauisus est, morituram eandem quis non deplorauit? sin iterum in altiore Musae cothurnatae aede, nonne regem Persarum amore uictum omnibus plaudentibus xxx post annis adhuc celebrant existimatores? idem apud Angelopolitanos quamuis laudatus non diu est moratus. ‘mei stomachi non erat,’ inquit. ‘angustiosem amo scaenam. si in alias res interdum incubui, semper ad theatrum rediui: ne sutor ultra crepidam.’

theatrum apud Londiniensis populare xii annos incoluit, diligentia direxit, ad populum patefecit. numquis *Equum Militarem*, numquis *Nocturnum Canem* non cognouit? et si tamquam angustias illas nauiganti quarum dextrum Scylla latus, laeuum implicata Charybdis obsidet<sup>1</sup> nonnumquam medium cursum sibi tenendum existimabat, quis dubitat quin aliis rerum nouarum cupidis *Anglis Iucundissimis*, fastidiosioribus aliis *Salicibus Inhalatis* delectatis sospes ad terram sit regressus? nunc iam illo munere alii tradito cum in alteram fluminis ripam ad nouum condendum theatrum se contulit, speramus omnes Melpomenen non minus quam Thalam nouis sedibus arrisuras esse.

dignissime domine, Domine Cancellarie, et tota academia, praesento uobis egregium hunc uirum, equitem auratum, Baccalaureum in Artibus, Aulae Sanctae Trinitatis honoris causa socium adscitum, Popularis Theatri Regalis olim rectorem, spectaculorum theatricorum cinematographicorum cothurnatorum magistrum,

NICHOLAS HYTNER,

ut honoris causa habeat titulum gradus Doctoris in Litteris.

<sup>1</sup> Verg. *Aen.* 3.420 et seq.

**D**O you recall the cantankerous old lady who spent fifteen years living in a van parked in Alan Bennett’s driveway? You may have seen her on the stage haranguing twin Bennetts. Or at the cinema, possibly. Or corpulent Hector, as unfortunate in love as on his motorcycle? Or Lyra with her golden compass, staunchly fighting the Magisterium as she travelled from world to world? This man showed us all of them. If farce is more to your taste, perhaps you laughed at *One Man, Two Guvnors*—or perhaps you were brought on stage to be laughed at. In the musical theatre, who did not cheer when Miss Saigon was crowned the most beautiful? Who did not weep at her death? If you prefer the loftier temple of a buskined Muse, his production of *Xerxes* for the ENO draws plaudits thirty years on. In Hollywood, too, he won praise, though he did not stay there long. ‘It wasn’t to my taste,’ he says. ‘I’m better at smaller canvases. I can’t see myself as a film-maker. I always see myself as visiting from the theatre, which is where I belong.’

For twelve years he called the National Theatre his home. He directed it with care, and he drew in new audiences. Who does not remember *War Horse* or *The Curious Incident of the Dog in the Night-Time*? And if he sometimes felt that he was sailing a narrow course between the Scylla of those seeking radical new plays and the Charybdis of those who had come for a respectable night at the theatre, when his productions ranged from *The Wind in the Willows* to *England People Very Nice*, who can doubt that he controlled the tiller and brought his boat safely to shore? Now that he has passed the helm to another in order to found a new theatre on the opposite bank of the river, we trust that Melpomene and Thalia will both smile on their new home.

*Distinguished Chancellor, members of the University, I present to you*

NICHOLAS HYTNER, Kt, B.A.,

*Honorary Fellow of Trinity Hall,  
formerly Director of the Royal National Theatre,  
director of theatre, film and opera,*

*that he may receive the title of the degree of Doctor of Letters, honoris causa.*

**B**INOS uiros qui in artibus apud Britannos fouendis eminent uelim memorare, Magistri, quorum alter diuitiis e saccharo defaecando comparatis primum quas collegerat picturas ciuitati deinde nomen suum pinacothecae donauit. alter hic uir qui rebus oeconomicis relictis ut Musarum apud nos studiis se deuoueat, paulisper apud Oxonienses, postea ad Album Sacellum moratus, eandem pinacothecam xxx fere hos annos curat.

ex eo tempore quo Tatianam ut dixit urticam manu prehendit, stirps a proximo rectore apud Liuerpulis sata germinauit, surculus in Cornubiam promissus floruit, instituta xxxv per totam Britanniam diuorsa in unum ideo conuenerunt ut societatis amicitiaeque fructum percipiant. nec nisi adiuuasset hic uir illa Camenae casa nostra ad S. Petri aedem condita nuper amplificata et omnino restaurata ianuas mox aperitura esset. sed hoc ei summum et colophona attribuo, hoc eum ad recentioris aetatis artium curatorum fastigium euexisse mihi uidetur quod templum nouum cum Artis tum Industriae ad Thamesis ripas condidit quo iam agmine perpetuo festinant spectatores ut non tantum helianthi semina sescenta, neque immanem araneam aditum custodientem, ne tuas quidem chartulas perfossas, Henrice, Francogallorum decus, uerum etiam ipsum illud immensum turbinis atrium inhiantes mirentur.

quis noui saeculi artem timeat roganti nonnulli neotericorum operum nouitatem adhuc aliquid sibi fastidi offerre conitentur. quibus ille 'esto,' inquit. 'solitae enim elegantiae fines artificibus opus est transcendere. an cunctam uitam dulcem esse putatis?' hoc quoque promittit, si modo perseueremus, omni dubitatione paulatim residente timorem nobis tandem in amorem mutatum iri.

dignissime domine, Domine Cancellarie, et tota academia, praesento uobis egregium hunc uirum, equitem auratum inter comites honoratissimos adscriptum, Baccalaureum in Artibus, Collegi Christi honoris causa socium adscitum, pinacothecarum Tatianarum rectorem, artium scriptorem musaeorumque rectorem,

NICHOLAS SEROTA,

ut honoris causa habeat titulum gradus Doctoris in Litteris.

**T**H**ERE** are two men who stand out in the history of the cultivation of art in Britain whom I should like to mention. The first was a sugar magnate who gave his collection of paintings to the nation, and later his name to a gallery. The other stands before us. He changed from reading the Economics Tripos to the History of Art, and, after a brief sojourn in Oxford and later in Whitechapel, has directed Henry Tate's gallery for the past thirty years.

Since he first grasped that nettle (as he has put it),<sup>1</sup> Tate Liverpool, founded by his predecessor, has flourished; a new outpost in St Ives has grown up; and the Plus Tate network has brought together thirty-five institutions across Britain to enjoy the fruits of friendship and collaboration. Indeed, it is through his help that our own Kettle's Yard is about to re-open its doors after extensive renovation. But this, I think, is his crowning achievement, this is what elevates him to the pantheon of curators of Modern Art: that he has established at Bankside a new temple of Industry as well as of Art, where now an endless line of visitors comes not just to admire Ai Weiwei's millions of Sunflower Seeds, nor Louise Bourgeois' giant spider, nor even the colourful cut-outs of Henri Matisse, but also to stand agape at the immensity of the Turbine Hall itself.

<sup>1</sup> 'Grasping the Nettle' was the title of the seven-year plan which formed part of Sir Nicholas' application for the post of Director of the Tate.

*Some years ago in his Dimpleby Lecture he asked ‘Who’s Afraid of Modern Art?’ For many people still, he admits, contemporary work can be unnerving. But that, he says, is part of its appeal: ‘Art should be transgressive. Life is not all sweet.’ And he makes us this promise, if only we will be patient: ‘Your scepticism will gradually diminish, and your fear will turn to love.’*

*Distinguished Chancellor, members of the University, I present to you*

NICHOLAS SEROTA, Kt, C.H., B.A.,

*Honorary Fellow of Christ’s College,*

*Director of the Tate, art historian and museum director,*

*that he may receive the title of the degree of Doctor of Letters, honoris causa.*

AGMEN clausuram hanc mulierem quo pacto uobis depingam, Magistri? quibus uerbis eam circumscribam quae nullis musicae nullis uitae finibus contineri potest? clauicena est quae eadem inter priscae aetatis modorum scriptores eminentissimos utitur familiaritate qua apud eos qui Iassici ut dicitur generis peritissimi habentur modulatores. modo suauius Amadei cantibus nos delectat, modo poeta corniculario dirigente in uia choros agit, modo asperiores sonorum seriem inter se repugnantium effundit. quae non musicam modo sed omnes artes cuiusuis ordinis hominibus summa beneficia praebere credit, quo modo in odeis uel notissimis potest latere? quippe, ex hoc senaculo uix egressa in Deuoniam ad Musaea uaria curanda festinabit quibus Dionysum ipsum laureas Atheniensis concessurum iudico.

sed quamuis et saecula et genera amet lustrare, semper ad magistrum Lipsiensem regreditur. ‘eo enim adempto’ inquit ‘quem ad modum uiuam? omnia ei referuntur, omnia ab eo oriuntur.’ non mirum igitur si e uariationibus Goldbergianis, quorum clausus libellus clauicino xx fere annos insidebat, non minus uoluptatis tandem nobis dedit quam ipsa priuatim recipit. nam quicquid auctori sit ingeni illis in modis inueniri dicit, qui

omnia transformant sese in miracula rerum:<sup>1</sup>  
iam leuiter ludunt ut qui iocularia rident,  
carmina iam maestae modulantur tristia Musae.

quibus de ipsa aptiora haud possum dicere uerba, magistri, sed

non aliter stupeo quam qui Iouis ignibus ictus,<sup>2</sup> nec scio  
quo teneam uolus mutantem Protea nodo.<sup>3</sup>

dignissime domine, Domine Cancellarie, et tota academia, praesento uobis egregiam hanc mulierem excellentissimo ordini Imperi Britannici adscriptam, Baccalauream in Artibus, Collegi Trinitatis apud Londiniensis sociam, Collegi Musicae Regalis sodalem, Collegi Murray Edwards honoris causa sociam adscitam, Vniuersitatis Londiniensis professorem necnon Collegi Musicae Regalis clauichordi magistram, plectrocymbali pulsatricem, cantorum reatricem, numerorum creatricem,

JOANNA MACGREGOR,

ut honoris causa habeat titulum gradus Doctoris in Musica.

<sup>1</sup> Verg. *Geo.* 4.452.

<sup>2</sup> Ov. *Trist.* 1.3.11.

<sup>3</sup> Hor. *Epist.* 1.1.90.

**H**OW should I introduce our final honorand? How can an Orator pin down with words one who will not be restrained by boundaries of art or life? She is a pianist who is equally at home with the great Classical composers and with jazz. Sometimes she delights us with a concerto by Mozart, now she leads us in Moondog's Sidewalk Dances, now she plays something more avant garde. Nor is she to be found only in the concert hall: how could she be, when she believes in the power not just of music but of all arts to benefit humanity? Indeed, shortly after leaving this Senate-House she will hurry to Devon to direct a festival of such breadth that it would put to shame even the Athenian Dionysia.

For all that she ranges over the ages and genres, she always returns to Bach. 'I couldn't live without his music,' she says. 'Everything comes back to him. He acts as a springboard for everything.' A copy of the Goldberg Variations sat unopened on her piano for twenty years. Now at last through her recording we can enjoy as much as she does this work of which she says, 'It's quicksilver in the way its moods fly past you in the blink of an eye; playful and witty one moment, heavy and serious the next, but above all lit up with extraordinary fireworks.'

*I can think of no better words to describe our honorand herself.*

*Distinguished Chancellor, members of the University, I present to you*

**JOANNA MACGREGOR, O.B.E., B.A., F.T.C.L., F.R.A.M.,**

*Honorary Fellow of Murray Edwards College,*

*Professor of the University of London and*

*Head of Piano at the Royal Academy of Music,*

*pianist, conductor, and composer,*

*that she may receive the title of the degree of Doctor of Music, honoris causa.*

J. W. NICHOLLS, *Registrar*

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

**COLLEGE NOTICES****Elections***Homerton College*

The following elections have been made:

Elected to a Fellowship from 1 June 2015:

Anthony Charles Lewis Ashton, M.A., Ph.D., *PET*  
 Melanie Judith Keene, M.A., *SID*, M.Phil., Ph.D., *DAR*  
 Jochem Jacob Kroezen, M.Sc., Ph.D., *Rotterdam*  
 Mark Ralph Andrew Manford, M.B.B.S., M.D.,  
*London*  
 Paul Taylor Warwick, M.Ed., *HO*  
 Rachel Mair Williams, M.B.Ch.B., M.D., *Edinburgh*

Elected to a Fellowship from 1 October 2015:

James Peter Blevins, Ph.D., *Massachusetts*  
 Hayley Jayne Hooper, LL.B., *Glasgow*, B.C.L.,  
 M.Phil., D.Phil., *Oxford*

Elected to a Junior Research Fellowship from 1 October 2015:

Siddartha Kar, M.B.B.S., *Pune*, M.P.H., *Texas*

Elected to an Emeritus Fellowship from 1 October 2015:

Peter James Cunningham, M.A., *JN*, M.A., *UEA*,  
 P.G.C.E., *Oxford*, Ph.D., *Leeds*  
 John Michael Gray, M.A., *Oxford*, Ed.M., *Harvard*,  
 P.G.C.E., Ph.D., *Sussex*  
 Michael Robert Younger, M.A., *Institute of Education*,  
*London*

Elected to a Fellowship from 1 December 2015:

Anthony Gerard Johnson, M.B.B.S., M.D., *NSW*,  
 M.P.H., *Queensland*  
 Elizabeth Ann Osman, M.A., *Sheffield*, M.A., *Oxford*

Elected to a Research Fellowship from 1 December 2015:

Chibeza Chintu Agley, M.Sc., Ph.D., *King's College*  
*London*

Elected to a Junior Research Fellowship from 1 January 2016:

Clare Teresa Oliver-Williams, M.Phil., *HH*, Ph.D., *CL*

Elected to an Associate Fellowship from 1 February 2016:

Rosemary Audrey Sinclair Grey, M.A., *Pennsylvania*,  
 G.D.L., L.P.C., *BPP*

*Queens' College*

The Governing Body has re-elected Professor Lord Eatwell as President of the College. He will now serve until 30 September 2020.

**EXTERNAL NOTICES****University of Oxford**

*Oriel College*: Stipendiary Lecturership in Classics; closing date: 22 July 2016; further details: <http://www.riel.ox.ac.uk/content/academic-vacancies>

*Wadham College*: Stipendiary Lecturership in Biology; stipend: £12,885; closing date: 18 July 2016; further details: <https://www.wadham.ox.ac.uk/about-wadham/jobs/academic/stipendiary-lectureship-in-biology>

**Rollo Davidson Trust**

The Rollo Davidson Trustees give notice of the award of the 2016 Thomas Bond Sprague Prize jointly to

I. Spasojevic of Trinity College, and  
 S. M. Thomas of St John's College

for distinguished performance in the 2016 Master of Mathematics / Master of Advanced Studies in Mathematics examinations, in the areas of probability, statistics, mathematics of operational research, and finance.

Full details of the Award can be found at <http://www.statslab.cam.ac.uk/Rollo/sprague.html>.

Notices for publication in the *Reporter*, or queries concerning content, should be sent to the Editor, Cambridge University Reporter, Registry's Office, The Old Schools, Cambridge, CB2 1TN (tel. 01223 332305, email [reporter.editor@admin.cam.ac.uk](mailto:reporter.editor@admin.cam.ac.uk)). Copy should be sent as early as possible in the week before publication; short notices will be accepted up to **4 p.m. on Friday** for publication the following Wednesday. Inclusion of notices is at the discretion of the Editor.