

CAMBRIDGE UNIVERSITY REPORTER

No 6409

WEDNESDAY 16 DECEMBER 2015

VOL CXLVI No 14

CONTENTS

Notices			
Calendar	287	Machine Learning, Speech, and Language Technology for the M.Phil. Degree, 2015–16	299
Notice of a Discussion on 19 January 2016	287	Nuclear Energy for the M.Phil. Degree, 2015–16	300
Vacancies, appointments, etc.		Future Infrastructure and the Built Environment for the M.Res. Degree, 2015–16	300
Appointments and grants of title	287	Gas Turbine Aerodynamics for the M.Res. Degree, 2015–16	300
Vacancies in the University	288	Sensor Technologies and Applications for the M.Res. Degree, 2015–16	300
Events, courses, etc.		Acta	
Announcement of lectures, seminars, etc.	288	Graces submitted to the Regent House on 2 December 2015	300
Regulations for examinations		<i>End of the Official Part of the 'Reporter'</i>	
Examination Requirements for Matriculation: Schedule I	289	College Notices	
Preliminary Examination for the Education Tripos, and the Education Tripos	289	Elections	301
Natural Sciences Tripos, Part II	295	Vacancies	301
Psychological and Behavioural Sciences Tripos	296		
Notices by Faculty Boards, etc.			
Scientific Computing for the M.Phil. Degree, 2015–16	298		
Form and conduct of examinations, 2016			
Natural Sciences Tripos, 2015–16	298		
Psychological and Behavioural Sciences Tripos, Part IIA, 2015–16	299		
Energy Technologies for the M.Phil. Degree, 2015–16	299		



UNIVERSITY OF
CAMBRIDGE

NOTICES**Calendar**

16 December, *Wednesday*. Last ordinary number of the *Reporter* in the Michaelmas Term.

19 December, *Saturday*. Michaelmas Term ends.

5 January, *Tuesday*. Lent Term begins.

12 January, *Tuesday*. Full Term begins.

13 January, *Wednesday*. First ordinary number of the *Reporter* in the Lent Term.

19 January, *Tuesday*. Discussion at 2 p.m. in the Senate-House (see below).

Notice of a Discussion on Tuesday, 19 January 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, 19 January 2016, at 2 p.m. for the discussion of:

1. Annual Report of the Council for the academical year 2014–15, dated 23 November 2015 (*Reporter*, 6408, 2015–16, p. 226)
2. Annual Report of the General Board to the Council for the academical year 2014–15, dated 4 November 2015 (*Reporter*, 6408, 2015–16, p. 239)
3. Reports and Financial Statements for the year ended 31 July 2015 (*Reporter*, 6408, 2015–16, p. 244).

VACANCIES, APPOINTMENTS, ETC.**Appointments and grants of title**

The following appointments and grants of title have been made:

APPOINTMENTS**University Senior Lecturer**

Computer Laboratory. Dr Hatice Gunes, B.Sc., *Yildiz, Istanbul*, Ph.D., *University of Technology, Sidney*, P.G.C.A.P., *Queen Mary, London*, appointed from 1 January 2016 until the retiring age and subject to a probationary period of five years.

University Lecturers

Chemical Engineering and Biotechnology. Dr Ljiljana Fruk, Dip.Chem., *Zagreb*, Ph.D., *Strathclyde*, appointed from 16 November 2015 until the retiring age and subject to a probationary period of five years.

Physiology, Development, and Neuroscience. Dr Hannah Frances Clarke, Ph.D., *N*, B.Sc., *Cardiff*, appointed from 1 January 2016 until the retiring age and subject to a probationary period of five years.

Heads of Department

Earth Sciences. Professor Simon Anthony Turner Redfern, *JE*, appointed from 1 October 2016 for five years.

History of Art. Dr Rosalind Polly Blakesley, *PEM*, appointed from 1 October 2016 for three years.

Land Economy. Professor Colin Martyn Lizieri, *PEM*, appointed from 1 January 2016 for four years.

Senior Assistant Treasurer

University Offices (Estate Management). Mr Philip Hopper, B.A., *CNAA*, M.A., appointed from 1 November 2015 until the retiring age.

Assistant Directors

University Offices (Estate Management). Ms Sarah Louise Foreman, B.Sc., *Westminster*, appointed from 1 July 2015 until the retiring age. Mr Thomas James Walston, M.A., *DOW*, appointed from 1 November 2015 until the retiring age.

Senior Under-Librarian

University Library. Mr Mark Edward Purcell, B.A., *Oxford*, M.A., *London*, appointed from 1 January 2016 until the retiring age and subject to a probationary period of nine months.

Administrative Officers

University Offices (Academic Division). Ms Karen Louise Morris, B.A., *Derby*, appointed from 4 January 2016 until the retiring age and subject to a probationary period of nine months.

University Offices (Finance Division). Mr Robert Peter Williams appointed from 30 November 2015 until the retiring age and subject to a probationary period of nine months.

Principal Computer Officer

University Information Services. Mr Richard Leslie Hey, B.Sc., Kingston, M.A., MInstP, CPhys, CSci, MBCS, appointed from 16 November 2015 until the retiring age.

GRANTS OF TITLE

Affiliated Lecturers

Psychology. Dr Rory Thomas Devine, CL, Dr Dawn Marie Eagle, N, Dr Victoria Leong, LC, Dr Laura Emmanuelle Marie Vuillier, and Dr Emma Woodberry have been granted the title of Affiliated Lecturer from 1 October 2015 until 30 September 2017. Dr Michael Richard Fraser Aitken Deakin, SE, Dr Katherine Grace Ellis-Davies, Dr Tabitha Rose Freeman, ED, Dr Vasanti Harish Jadva, Dr Vickie Pasterski Estes, Dr Sharon Morein-Zamir, Dr Jennifer Eilene Murray, MUR, Dr David Anthony Ruggeri, CC, Dr Debra Ann Spencer, LC, and Dr Emma Jane Louise Weisblatt, G, have been granted the title of Affiliated Lecturer from 1 October 2015 for a further two years.

Vacancies in the University

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

Professorship of Experimental Psychology in the Department of Psychology; informal enquiries: Professor N. S. Clayton FRS, Department of Psychology (tel.: 01223 335559, email: nsc22@cam.ac.uk); closing date: 1 February 2016; further particulars: <http://www.jobs.cam.ac.uk/job/8933/>; quote reference: PJ07824

University Lecturer in Internal Combustion Engines in the Department of Engineering; salary: £38,896–£49,230; closing date: 31 January 2016; further particulars: <http://www.jobs.cam.ac.uk/job/8813/>; quote reference: NM07712

University Lecturer in Machine Learning in the Department of Engineering; salary: £38,896–£49,230; closing date: 11 January 2016; further particulars: <http://www.jobs.cam.ac.uk/job/8737/>; quote reference: NM07647

University Lecturer in Spoken Dialogue Systems (fixed-term) in the Department of Engineering; salary: £38,896–£49,230; tenure: funds for this post are available for five years in the first instance; closing date: 22 January 2016; further particulars: <http://www.jobs.cam.ac.uk/job/8812/>; quote reference: NM07711

Departmental Secretary (Academic Services) in the Academic Division of the University offices; salary: £38,896–£49,230; closing date: 18 January 2016; further particulars: <http://www.jobs.cam.ac.uk/job/8719/>; quote reference: AK07632

Deputy Head of Records in the Academic Division (Student Registry) of the University offices; salary: £28,982–£37,768; closing date: 19 January 2016; <http://www.jobs.cam.ac.uk/job/8262/>; quote reference: AK07226

Management Information Analyst in the Academic Division (Planning and Resources) of the University offices; salary: £27,328–£32,600; closing date: 4 January 2016; <http://www.jobs.cam.ac.uk/job/6383/>; quote reference: AK05533

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

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

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/whatson/>), and on Talks.cam (<http://www.talks.cam.ac.uk/>).

Brief details of upcoming events are given below.

<i>Social Anthropology</i>	W. H. R. Rivers Memorial Lecture 2016: <i>Local theory of mind: why people experience the same god differently in different parts of the world</i> , by Professor Tanya Luhmann, Watkins University Professor of Anthropology, Stanford University, at 5 p.m. on 18 January 2016 in the Old Divinity School Lecture Theatre, St John's College	http://www.socanth.cam.ac.uk/events/rivers-lecture-tanya-luhmann-18-01-2016
----------------------------	--	---

REGULATIONS FOR EXAMINATIONS

Examination Requirements for Matriculation: Schedule I

(*Statutes and Ordinances*, p. 168)

The General Board have approved an amendment to Schedule I of the examination requirements for matriculation.

Paragraph 2.

By adding to the list of requirements the following:

Psychological and Behavioural Sciences

One from Mathematics, Biology, or Chemistry

Preliminary Examination for the Education Tripos, and the Education Tripos

(*Statutes and Ordinances*, pp. 255 and 302)

With effect from 1 October 2017

The General Board, on the recommendation of the Faculty Board of Education, have approved draft regulations for a revised Preliminary Examination for Part II of the Education Tripos, and a revised Education Tripos, with effect from 1 October 2017, as set out in the Annex to this Notice.

The introduction of these revised regulations is in response to a review by the General Board of the Faculty of Education in 2012 which made recommendations about the Faculty's undergraduate education and the teaching that supports it. The revised regulations retain the principal objectives, teaching approaches, and assessment procedures of the existing Education Tripos. They reduce the available pathways from ten to three – Education, psychology, and learning; Education, policy, and international development; Education, English, drama, and the arts. The revised regulations offer strengthened provision in research training throughout the degree, and increase the scope for interdisciplinary study through the borrowing of papers.

PRELIMINARY EXAMINATION FOR PART II

The Preliminary Examination for Part II will be offered to candidates transferring in to the Education Tripos in their second year of study. It will closely reflect the requirements for Part I of the Tripos, but will offer the opportunity for candidates to choose to offer Education papers from the Preliminary Examination to Part I of the Tripos where it is considered appropriate for candidates to consolidate their knowledge of Education prior to undertaking Part II of the Tripos.

PART IA

The new Part IA will give candidates the skills training and other forms of transitional teaching that will equip them for the later parts of the Tripos. It will also introduce them to current issues in research via a series of presentations by senior researchers, including Readers and Professors, in the Faculty. Candidates for Part IA will be required to sit four papers. Two will be compulsory for all candidates, while the optional papers will provide candidates with an introduction to the disciplines specific to their chosen pathway. Papers will be a mixture of three-hour written examinations, or two-hour written examinations with submitted coursework, or submitted coursework. Candidates may have the opportunity to borrow papers relevant to their chosen pathway.

PART IB

Candidates will be required to offer five papers. Two of these papers will be core papers to be offered by all candidates, one of which will be a project report on designing educational research, which will give candidates training and experience in research methods in preparation for the compulsory dissertation in Part II. There will also be a series of optional papers from which candidates will choose one; each pathway will have a mixture of compulsory and optional papers, which may include borrowed papers.

PART II

Candidates will be required to offer five papers. Each candidate will take a compulsory paper specific to their pathway. There will be a series of optional papers on 'Issues in education', from which candidates must select two. As with the current Tripos, all candidates will be required to offer a dissertation of 8,000–10,000 words on a topic related to the investigation and analysis of an educational problem. The fifth paper can be a further optional or borrowed paper relevant to their pathway.

Timetable

Preliminary Examination for Part I

The Preliminary Examination for Part I of the Education Tripos shall be held under the Old Regulations for the last time in 2017.

Part IA

The examinations for Part IA will be available for study from 1 October 2017, and will be examined for the first time in 2018.

Part IB

The examinations for Part IB of the Education Tripos shall be held under the Old Regulations for the last time in 2018. The amended structure for Part IB of the Tripos will be available to study from 1 October 2018, and will be examined for the first time in 2019.

Part II

The examinations for Part II of the Education Tripos shall be held under the Old Regulations for the last time in 2019, except that candidates studying Education and Modern and Medieval Languages who choose the year abroad option may be examined for the last time in 2020. The amended structure for Part II of the Tripos will be available to study from 1 October 2019, and will be examined for the first time in 2020.

ANNEX

A. By replacing the special regulations for the Preliminary Examination in Education (*Statutes and Ordinances*, p. 255) with the following:

1. There shall be a Preliminary Examination for Part II of the Education Tripos.
2. The examination shall comprise three sections, as set out below. All candidates shall offer:
 - (a) the examination requirements for Section I;
 - (b) the examination requirement for the appropriate pathway as laid out in Section II;
 - (c) two papers chosen from Section III.

Section I

- | | |
|----------------|---|
| <i>Paper 1</i> | Designing educational research |
| <i>Paper 2</i> | Emergence of educational thinking and systems |

Section II

Education, psychology, and learning pathway

- | | |
|----------------|--|
| <i>Paper 3</i> | Formal and informal contexts of learning |
|----------------|--|

Education, policy, and international development pathway

- | | |
|----------------|--|
| <i>Paper 4</i> | International issues in inclusion and diversity in education |
|----------------|--|

Education, English, drama, and the arts pathway

One paper chosen from the following:

- | | |
|----------------|---|
| <i>Paper 5</i> | International literatures, arts, and cultures |
| <i>Paper 6</i> | Theatre, practice, and production |

Section III

- Critical debates in education: an introduction (also serves as Paper 1 of Part IA of the Education Tripos)
- Language, communication, and literacies (also serves as Paper 2 of Part IA of the Education Tripos)
- Experience of childhood and youth (also serves as Paper 3 of Part IB of the Education Tripos)
- Education, global inequalities, and social justice (also serves as Paper 4 of Part IB of the Education Tripos)
- International literatures, arts, and cultures (also serves as Paper 6 of Part IB of the Education Tripos)
- Learning and human development (also serves as Paper 5 of Part IB of the Education Tripos)
- Poetics, aesthetics, and criticism (also serves as Paper 6 of Part IA of the Education Tripos)
- Drama, production, and its contexts (also serves as Paper 7 of Part IA of the Education Tripos)
- A paper chosen from the published list for the relevant pathway for Part IA and Part IB of the Tripos
- Statistics and methods (also serves as paper SOC5 of the Human, Social, and Political Sciences Tripos, Paper 7 of Part IB, and Paper 3 of Part II of the Education Tripos)

3. The examination for each paper in the Preliminary Examination for Part II of the Education Tripos will be by the same method as the equivalent paper in Part IA or Part IB of the Education Tripos, as applicable.
4. No candidate shall offer any paper, dissertation, or other exercise that he or she has previously offered in any University examination.

B. By inserting the following regulations for the Education Tripos (New Regulations):

EDUCATION TRIPOS (NEW REGULATIONS)

1. The Education Tripos shall consist of three Parts: Part IA, Part IB, and Part II; a separate class-list shall be published for each Part.
2. The following may present themselves as candidates for Part IA:
 - (a) a student who has kept one term, provided that three complete terms have not passed after her or his first term of residence;
 - (b) a student who has obtained honours in another Honours Examination in the year next after so obtaining honours, provided that nine complete terms have not passed after her or his first term of residence.
3. The following may present themselves as candidates for Part IB:
 - (a) a student who has obtained honours in Part IA of the Education Tripos, in the year next after so obtaining honours, provided that he or she has kept four terms, provided that nine complete terms have not passed after her or his first term of residence;
 - (b) a student who has obtained honours in another Honours Examination in the year next after so obtaining honours, provided that twelve complete terms have not passed after her or his first term of residence.
4. The following may present themselves as candidates for honours in Part II provided that they have kept seven terms and that twelve complete terms have not passed after their first term of residence:
 - (a) a student who has obtained honours in Part IB of the Education Tripos, in the year next after so obtaining honours;
 - (b) a student who has obtained honours in any Honours Examination other than Part IB of the Education Tripos, in the year next or next but one after so obtaining honours.
5. No student shall be a candidate for any Part and also for another Honours Examination, in the same term.
6. No student who has been a candidate for any Part shall again be a candidate for the same Part. For any parts of the Tripos, no candidate shall offer any paper, dissertation, or other exercise that he or she has previously offered in any University examination.
7. The Faculty Board of Education shall have power to issue from time to time supplementary regulations defining or limiting all or any of the subjects of examination, and to modify, alter, or withdraw such supplementary regulations as occasion may require, provided that due care is taken to give sufficient notice of any change.
8. Public notice of any variable subjects for the examinations in any year shall be given by the Faculty Board of Education 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 they are satisfied that no student's preparation for the examination is adversely affected.
9. Not later than the first day of Full Michaelmas Term each year the Faculty Board of Education shall publish by Notice in the Faculty, details of the coursework, performances, workshops, and practical examinations to be undertaken by candidates for each Part of the Tripos during the ensuing academical year.
10. The Faculty Board shall nominate such number of Examiners as they deem sufficient to conduct the examinations. The Faculty Board shall also have power to nominate one or more Assessors to assist the Examiners in any subject of the Tripos. Assessors shall propose questions in the papers or parts of papers assigned to them by the Examiners, shall mark the answers of the candidates in those papers or parts of papers, and shall advise the Examiners on the performance of candidates in the examination. Assessors may be summoned to meetings of the Examiners for the purpose of consultation and advice. At the discretion of the examiners, the examination may include an oral examination on any coursework submitted.
11. In the class-lists for each Part of the Tripos, the names of the candidates who obtain honours shall be arranged in three classes, of which the second shall be divided into two divisions. In addition the Examiners may affix a mark of distinction to the names of candidates placed in the first class whose work is of special merit. The names in the first and third classes and each division of the second class shall be arranged in alphabetical order.

PART IA

12. The Examination for Part IA shall comprise two sections as set out below. Each candidate shall offer the examination requirements set out in Section I and the examination requirements for a single pathway as set out in Section II. At the discretion of the Examiners the examination may include an oral examination on the coursework submitted under Section I.

Section I. Education

Section I consists of two papers, examined by a two-hour written paper and the submission of coursework as shall from time to time be determined by the Faculty Board of Education. Details of the work required shall be published by the Faculty Board of Education not later than the beginning of the Michaelmas Term preceding the examination.

Paper 1 Critical debates in education: an introduction

Paper 2 Language, communication, and literacies

Section II. Pathway-specific papers

Candidates must offer the requirements from only one pathway. The scheme of examination shall be as specified in Regulation 13, except for borrowed papers where a candidate is examined in accordance with the requirements as set out in the regulations for that Tripos. Where stated, some papers are examined by means other than a single written paper. For papers offered by the Faculty of Education, the Faculty Board of Education shall specify arrangements for the submission of coursework, the sitting of practical examinations, or performances or workshops not later than the beginning of the Michaelmas Term preceding the examination.

Education, psychology, and learning pathway

All candidates shall offer the following two papers:

Paper 3 Learning and human development

and

Paper 4 Introduction to psychology (also serves as Paper PBS1 of the Psychology and Behavioural Sciences Tripos)

Education, policy, and international development pathway

All candidates shall offer the following paper:

Paper 5 Education, global inequalities, and social justice

and

One paper chosen from the following list, which shall be examined in accordance with the examination requirements as set out in the regulations for that Tripos:

Human geography (also serves as Paper I of Part IA of the Geographical Tripos)

Modern societies I: introduction to sociology (also serves as Paper SOC1 of the Human, Social, and Political Sciences Tripos)

Social anthropology: the comparative perspective (also serves as Paper SAN1 of the Human, Social, and Political Sciences Tripos)

International relations I (also serves as Paper POL2 of the Human, Social, and Political Sciences Tripos)

Analysis of politics (also serves as Paper POL1 of the Human, Social, and Political Sciences Tripos)

Education, English, drama, and the arts pathway

All candidates shall offer the following paper:

Paper 6 Poetics, aesthetics, and criticism

and

One paper from the following two options:

Paper 7 Drama production and its contexts

or

Paper 8 Literature and culture

13. Each paper in Section II of Part IA shall consist of a two-hour written examination and the submission of coursework as shall from time to time be determined by the Faculty Board of Education, except for borrowed papers. Details of the work required shall be published by the Faculty Board of Education not later than the beginning of the Michaelmas Term preceding the examination. The exceptions to this are paper 4, paper 5, paper 6, and paper 8. Papers 4, 6, and 8 shall consist of one three-hour examination, and paper 5 shall consist of coursework as specified by the Faculty Board. Details of the work required shall be published by the Faculty Board of Education not later than the beginning of the Michaelmas Term preceding the examination.

PART IB

14. The examination for Part IB shall comprise three sections, as set out below. The scheme of examination shall be as specified in Regulations 14 and 15, except for borrowed papers where a candidate is examined in accordance with the requirements as set out in the regulations for that Tripos. Candidates shall offer:

- (a) the examination requirements set out in Section I;
- (b) one paper taken from the examination requirements for Section II;
- (c) two papers from the requirements relating to their pathway, as set out in Section III.

Section I

- Paper 1* Designing education research
Paper 2 Emergence of educational thinking and systems

Section II

- Paper 3* Experience of childhood and youth
Paper 4 Education, global inequalities, and social justice (also serves as Paper 5 of Part IA of the Education Tripos)
Paper 5 Learning and human development (also serves as Paper 3 of Part IA of the Education Tripos)
Paper 6 International literatures, arts, and cultures (also serves as a choice in Section III for students on the Education, English, drama, and the arts pathway)
Paper 7 Statistics and methods (also serves as Paper SOC5 of the Human, Social, and Political Sciences Tripos, and Paper 3 of Part II of the Education Tripos)

Section III

Education, psychology, and learning pathway

- Paper 8* Formal and informal contexts of learning
and

One paper chosen from a list for the pathway to be published by the Faculty Board by the end of the Easter Term next preceding the examination

Education, policy, and international development pathway

- Paper 9* International issues in inclusion and diversity in education
and

One paper chosen from a list for the pathway to be published by the Faculty Board by the end of the Easter Term next preceding the examination

Education, English, drama, and the arts pathway

Each candidate shall offer two papers from the following:

- Paper 6* International literatures, arts, and cultures
Paper 10 Theatre, practice, and production

One paper chosen from a list for the pathway to be published by the Faculty Board by the end of the Easter Term next preceding the examination

15. Paper 1 shall be examined by submission of a project report of between 4,000 and 5,000 words on a subject related to designing educational research. The proposed title shall be submitted through the Undergraduate Office to the Secretary of the Faculty Board by the final day of full Michaelmas Term. The report shall be submitted by candidates through the Undergraduate Office to the Secretary of the Faculty Board by a date specified by the Faculty Board not later than the beginning of the Michaelmas Term preceding the examination. Each report shall be in typescript, unless previous permission has been obtained from the Faculty Board to present it in manuscript; it shall bear the candidate's examination number and shall be accompanied by a brief synopsis.

Candidates will be required to declare that the report is their own work and that it does not contain material already used to any substantial extent for a comparable purpose. At the discretion of the Examiners, a candidate may be examined *viva voce* on her or his report.

16. Papers 2, 6, and 8 shall be examined by one three-hour written examination. Papers 3, 5, 9, and 10 shall be examined by one two-hour written examination and the submission of coursework as specified by the Faculty Board from time to time. Details of the work required shall be published by the Faculty Board of Education not later than the beginning of the Michaelmas Term preceding the examination. Paper 4 shall consist of coursework as specified by the Faculty Board from time to time.

PART II

17. The examination for Part II shall comprise four sections, as set out below. The scheme of examination shall be as specified in Regulations 18 and 19, except for borrowed papers where a candidate is examined in accordance with the requirements as set out in the regulations for that Tripos. Candidates shall offer five papers in total, as follows:

- (a) the examination requirements set out in Section I;
- (b) two or three papers taken from Section II;
- (c) the examination requirement for the relevant pathway set out in Section III;
- (d) candidates offering four papers under Regulation 15(a) to (c) shall offer one further paper from the requirements for their pathway as set out in Section IV.

Section I

Dissertation

Candidates shall submit a report on a topic related to the investigation and analysis of an educational problem. The report shall be submitted under the conditions set out in Regulation 19. At the discretion of the Examiners, a candidate may be examined *viva voce* on her or his dissertation

Section II. Issues in education

<i>Paper 1</i>	Formal and informal contexts of learning
<i>Paper 2</i>	Social theory and education
<i>Paper 3</i>	Statistics and methods (also serves as Paper SOC 5 of the Human, Social, and Political Sciences Tripos and Paper 7 of Part Ib of the Education Tripos)
<i>Paper 4</i>	International issues in inclusion and diversity
<i>Paper 5</i>	Children's literature (also serves as Paper 12 of the Education, English, drama, and the arts pathway in Section III of Part II of the Education Tripos)
<i>Paper 6</i>	A dissertation in a topic relating to the pathway specialism

Additional papers may be offered as announced by the Faculty Board from time to time. Examination requirements for such papers shall be announced simultaneously. Details of the work required shall be published by the Faculty Board of Education not later than the beginning of the Michaelmas Term preceding the examination.

Section III

Education, psychology, and learning pathway

<i>Paper 10</i>	Education, neuroscience, and society
-----------------	--------------------------------------

Education, policy, and international development pathway

<i>Paper 11</i>	Critical debates in education, policy, and international development
-----------------	--

Education, English, drama, and the arts pathway

<i>Paper 12</i>	Children's literature (also serves as Paper 5, Section II of Part II of the Education Tripos)
<i>and/or</i>	
<i>Paper 13</i>	Performance, education, and society

Section IV

For each pathway, a list of borrowed papers will be published annually by the Faculty Board by the end of the Easter Term next preceding the examination.

18. Papers 1, 2, and 3 shall be examined by one three-hour examination. Papers 4 and 5 shall be examined by one two-hour examination and the submission of coursework as specified by the Faculty Board from time to time. The examinations for Paper 10 and Paper 11 will each consist of one three-hour examination.

19. Each candidate shall submit the proposed topic of their dissertation under Section I and II of Part II through the Undergraduate Office to the Secretary of the Faculty Board, by a date announced by the Faculty Board not later than the beginning of the Michaelmas Term preceding the examination. The Secretary shall communicate the approval or rejection of the proposed topic to the candidate no later than the end of the Michaelmas Term preceding the examination.

The submitted report shall be of not less than 8,000 words and not more than 10,000 words, excluding notes and appendices. The report shall be submitted by candidates through the Undergraduate Office to the Secretary of the Faculty Board by a date specified by the Faculty Board not later than the beginning of the Michaelmas Term preceding the examination. Each report shall be in typescript, unless previous permission has been obtained from the Faculty Board to present it in manuscript; it shall bear the candidate's examination number and shall be accompanied by a brief synopsis.

Candidates will be required to declare that the report is their own work and that it does not contain material already used to any substantial extent for a comparable purpose. At the discretion of the Examiners, a candidate may be examined *viva voce* on her or his report.

20. Any dissertation submitted for Section IV shall be submitted under the rules relating to the Tripos from which the paper is taken.

21. Candidates may not offer more than one dissertation in total under Sections II, III, and IV.

TEMPORARY REGULATION

22. The examinations for the Education Tripos (New Regulations) shall be held for the first time as follows:

Part IA in 2018

Part IB in 2019

Part II in 2020

Natural Sciences Tripos, Part II

(*Statutes and Ordinances*, p. 384)

With effect from 1 October 2017

The General Board, on the recommendation of the Committee of Management for the Natural Sciences Tripos, have approved amendments to the regulations so as to allow the School's move to modularization of Part II (Biological) subjects to proceed and to provide a better description of the subject previously called Neuroscience. The regulations have been amended as follows:

Regulation 26.

By removing 'Physiology and Psychology' and renaming 'Neuroscience' as 'Psychology, Neuroscience, and Behaviour'.

Regulation 30.

By removing the sub-section 'Neuroscience' and replacing it so as to read:

Psychology, Neuroscience, and Behaviour. Each candidate shall offer

(a) four written papers of three hours each;

(b) a report of a research project, in printed, or typewritten form, of not more than 5,000 words, excluding tables, appendices, footnotes, and bibliography.

The report of a research project shall be on a subject either proposed by the candidate and approved by the Course Organizer or chosen by the candidate from a list of approved subjects announced by the Course Organizer, not later than the division of the Michaelmas Term. Each candidate shall either obtain the approval of the Course Organizer for the subject proposed, or notify the Course Organizer of the subject chosen from the list, not later than the end of Full Michaelmas Term. The report shall be submitted to the Course Organizer not later than the fifth day of the Full Easter Term in which the examination is to be held.

By removing the sub-section 'Physiology and Psychology'.

Regulation 31.

By amending the first sentence of the Regulation so as to read:

31. For each subject in Part II there shall be published a separate class-list, which shall be signed by the Examiners in that subject.

Psychological and Behavioural Sciences Tripos

(*Statutes and Ordinances*, p. 396)

With effect from 1 October 2017

The General Board have approved amendments to the Tripos regulations so as to ensure that it continues to meet the requirements of the British Psychological Society and to bring the mechanics of managing the Tripos in line with those for the Natural Sciences Tripos.

By removing the reference to footnote 3 next to the main heading 'Psychological and Behavioural Sciences Tripos'.

GENERAL

Regulation 1.

By amending the current regulation so as to read:

1. The Psychological and Behavioural Sciences Tripos shall consist of three Parts: Part IA, Part IB, and Part II.

Regulation 5.

By amending the first sentence of the current regulation so as to read:

5. There shall be three separate bodies of Examiners: one for Part IA, one for Part IB, and one for Part II.

PART I (to be retitled PART IA)

By amending the heading for the section currently headed PART I so as to read PART IA and so that all further mentions of PART I are renamed PART IA.

Regulation 12.

By amending the first sentence of Section A so as to read:

PBS1 Introduction to psychology

PART IIA (to be retitled PART IB)

By amending the heading for the section currently headed PART IIA so as to read PART IB and so that all further mentions of PART IIA are renamed PART IB.

Regulation 16.

By removing the current regulation and replacing it with a revised regulation so as to read:

16. The scheme of examination for Part IB shall be as follows:

PBS 3. Social and developmental psychology

PBS 4. Cognitive neuroscience and experimental psychology (lectures and practicals drawn from the subject Experimental Psychology in Part IB of the Natural Sciences Tripos)

Two Optional Papers from the list published in accordance with Regulation 9

Regulation 17.

By removing the current regulation and its accompanying footnote, and replacing it with a revised regulation so as to read:

17. A candidate for Part IB shall offer four papers as follows:

(a) PBS 3;

(b) PBS 4;

(c) two further papers chosen from the list of Optional Papers published in accordance with Regulation 9, subject to Regulation 4, any candidate who has not previously completed Part IA of the Tripos must, except with the permission of the Committee of Management, offer PBS 1 and PBS 2 as their Optional Papers if he or she has not previously offered these papers within another Tripos.

Regulation 18.

By replacing the first sentence of the regulation so as to read:

18. There shall be an examination of three hours' duration set for Paper PBS 3. Paper PBS 4 will be examined by one examination of three hours' duration and a second examination of one and half hours' duration. Other papers will be examined in accordance with the regulations set down by the Faculty or comparable authority concerned.

Regulation 19.

By removing Regulation 19 and renumbering all subsequent regulations.

PART IIB (to be retitled PART II)

By amending the heading for the section currently headed PART IIB so as to read PART II and so that all further mentions of PART IIB are renamed PART II.

Regulation 20 (to be renumbered Regulation 19).

By amending the regulation so as to read:

19. A student who has obtained honours in Part IB of the Tripos in the year next after having done so, provided that he or she has kept seven terms and no more than twelve complete terms have passed after her or his first term of residence,² may be a candidate for honours in Part II.

² See also the regulations for Affiliated Students.

Regulation 21 (to be renumbered Regulation 20).

By amending the regulation so as to read:

20. The scheme of examination for Part II shall be as follows.

PBS 5. Research dissertation as prescribed in Regulation 22.

Three further Papers from the list approved by the Head of Department and published in accordance with Regulation 9

Regulation 23.

By removing the existing Regulation 23 and renumbering all subsequent regulations.

Regulation 24 (to be renumbered Regulation 22).

By amending sub-paragraph (b) of the current regulation so as to read:

(b) The research dissertation shall contain full references to any sources used in its composition, and shall be of not more than 7,000 words in length, including footnotes but excluding any tables, figures, bibliography, and appendices.

TEMPORARY REGULATION

By removing the existing Regulation 25.

NOTICES BY FACULTY BOARDS, ETC.**Examination in Scientific Computing for the M.Phil. Degree, 2015–16**

The Degree Committee of Physics and Chemistry give notice that a new course-specific module in Machine Learning (Paper 7) is available to candidates for the examination in Scientific Computing for the degree of Master of Philosophy.

The papers available for examination in 2015–16 are:

(Candidates should choose a minimum of three)

Paper 1.	Fundamentals in numerical analysis
Paper 2.	Numerical integration and ordinary differential equations
Paper 3.	Numerical differentiation and partial differential equations
Paper 4.	Linear systems
Paper 5.	Electronic structure
Paper 6.	Atomistic modelling of materials
Paper 7.	Machine learning

Candidates may borrow (with permission from the Course Director) one or more of the following elective papers:

MAT3 Paper 205	Modern statistical methods (Mathematics)
NST3CH Paper 2	Chemical biology and drug discovery (M8) (Chemistry)

The Degree Committee confirm that no student will be disadvantaged by this change.

FORM AND CONDUCT OF EXAMINATIONS, 2016

Notices by Faculty Boards, or other bodies concerned, of changes to the form and conduct of certain examinations to be held in 2016, by comparison with those examinations in 2015, are published below. Complete details of the form and conduct of all examinations are available from the Faculties or Departments concerned.

Natural Sciences Tripos, 2015–16

The Committee of Management for the Natural Sciences Tripos give notice that, with effect from the examinations to be held in 2016, the form and conduct of certain of the examinations for the Natural Sciences Tripos will be changed as follows:

PART IB*Plant and Microbial Sciences*

The weighting of the practical component (25% of the total subject mark) of the examination will be adjusted as detailed below:

1. Practical paper (15%)
2. Formal write up of Thematic Rubisco practical (10%)

Weekly write-ups will be given a pass/fail grade and five pass grade write-ups must be submitted; weekly write-ups will no longer contribute to the practical component of the examination.

PART II*Plant Sciences*

The weighting of the elements of the examination will be adjusted as detailed below:

Element of the examination	2015–16
4 x Written theory papers	64%
Research project	27%
Mini review essay	9%

Students will no longer be expected to give a project presentation.

Zoology

With immediate effect, the weighting of the sections within the examination will change as follows:

Element of the examination	2015–6
Research paper review	8%
Project/demonstration practical work	28% (this includes 4% for the oral presentation of the project)
Written papers (equal weight for each paper)	64%

Part III / Master of Advanced Study*Materials Science*

Section A of paper 1 will now contain questions based on the short (six-lecture) modules, there being one question from each such module. The rubric will read 'Answer any three questions from section A.'

All other parts of the examination remain unchanged.

Psychological and Behavioural Sciences Tripos, Part IIA, 2015–16

The Committee of Management of the Psychological and Behavioural Sciences Tripos give notice that, with effect from the examinations to be held in 2016, the form of the examination for the following paper for Part IIA of the Psychological and Behavioural Sciences Tripos will be as follows:

PBS 6. Research methods

Candidates must submit a paper critique of not more than 2,000 words, excluding the bibliography, on a research paper approved by the Committee of Management, not later than the end of the second week of the Full Easter Term in which the examination is to be held.

Examination in Energy Technologies for the M.Phil. Degree, 2015–16

The Degree Committee for the Faculty of Engineering give notice of the following amendments to the modules offered for the examination in Energy Technologies for the degree of Master of Philosophy in 2015–16 (*Reporter*, 6395, 2014–15, p. 833).

The module 'B3 Electrochemical engineering' will now be offered as module 'B2 Electrochemical engineering'.

The following modules will **not** be offered in the 2015–16 academical year:

<i>Reference</i>	<i>Name</i>
B2	Catalysis
B7	Particle technology

The following module will be offered as an elective in the 2015–16 academical year:

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
ESD300	Sustainability assessment of large infrastructure projects	Coursework

The Degree Committee confirm that no student's preparation for the examination will be affected by the change.

Examination in Machine Learning, Speech, and Language Technology for the M.Phil. Degree, 2015–16

The Degree Committee for the Faculty of Engineering give notice of the following amendments to the offered modules for the examination in Machine Learning, Speech, and Language Technology for the degree of Master of Philosophy, 2015–16 (*Reporter*, 6395, 2014–15, p. 835).

The module 'MLSALT1 Introduction to machine learning and spoken language processing' will now be assessed by coursework only, rather than by coursework and examination.

The module 'MLSALT3 Weighted automata' will now be assessed by coursework rather than by examination.

The following module will **not** be offered in the 2015–16 academical year:

<i>Reference</i>	<i>Name</i>
L100	Introduction to natural language processing

The following modules will be offered as electives in the 2015–16 academical year:

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
L18	Automated reasoning	Coursework
L95	Introduction to natural language syntax and parsing	Coursework

The Degree Committee confirm that no student's preparation for the examination will be affected by the change.

Examination in Nuclear Energy for the M.Phil. Degree, 2015–16

The Degree Committee for the Faculty of Engineering give notice of the following amendments to the offered modules for the examination in Nuclear Energy for the degree of Master of Philosophy, 2015–16 (*Reporter*, 6395, 2014–15, p. 836).

The module ‘B3 Electrochemical engineering’ will now be offered as module ‘B2 Electrochemical engineering’.

The Degree Committee confirm that no student’s preparation for the examination will be affected by the change.

Examination in Future Infrastructure and the Built Environment for the M.Res. Degree, 2015–16

The Degree Committee for the Faculty of Engineering give notice of the following amendments to the offered modules for the examination in Future Infrastructure and the Built Environment for the degree of Master of Research, 2015–16 (*Reporter*, 6395, 2014–15, p. 837).

The following module will now be offered as an elective in the 2015–16 academic year:

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
4M14	Sustainable development	Coursework

The Degree Committee confirm that no student’s preparation for the examination will be affected by the change.

Examination in Gas Turbine Aerodynamics for the M.Res. Degree, 2015–16

The Degree Committee for the Faculty of Engineering give notice of the following amendments to the offered modules for the examination in Gas Turbine Aerodynamics for the degree of Master of Research, 2015–16 (*Reporter*, 6395, 2014–15, p. 837).

The following module will now be offered as an elective in the 2015–16 academic year:

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
4A15	Aeroacoustics	Examination

The Degree Committee confirm that no student’s preparation for the examination will be affected by the change.

Examination in Sensor Technologies and Applications for the M.Res. Degree, 2015–16

The Degree Committee for the Faculty of Engineering give notice of the following amendments to the offered modules for the examination in Sensor Technologies and Applications for the degree of Master of Research, 2015–16 (*Reporter*, 6395, 2014–15, p. 839).

The module ‘2/BP Biological physics’ will now be assessed by coursework rather than by examination.

The Degree Committee confirm that no student’s preparation for the examination will be affected by the change.

ACTA

Graces submitted to the Regent House on 2 December 2015

The Graces submitted to the Regent House on 2 December 2015 (*Reporter*, 6406, 2015–16, p. 210) were approved at 4 p.m. on Friday, 11 December 2015.

J. W. NICHOLLS, *Registrar*

END OF THE OFFICIAL PART OF THE ‘REPORTER’

COLLEGE NOTICES**Elections***Hughes Hall*

The following elections have been made with effect from 28 October 2015:

Elected into a Fellowship in Class A:

Dr Sara Hennessy, B.Sc., *LSE*, Ph.D., *UCL*, University Senior Lecturer in Teacher Development and Pedagogical Innovation

Elected into a Fellowship in Class B:

Dr Charles Pigott, M.A., *Glasgow*, Ph.D., *London*, the Leverhulme Trust and the Isaac Newton Trust Early Career Fellowship in the Centre for Latin American Studies

Elected into a Fellowship in Class D and William Charnley College Teaching Officer in Law:

Dr Martin Steinfeld, B.Sc., *Birmingham*, Pg.Dip., *City*, LL.M., Ph.D., *DOW*

Elected into a Fellowship in Class E (City Fellow Medicine):

Dr Mark Bale, B.Sc., Ph.D., *Wales*

Trinity Hall

The Governing Body of Trinity Hall has elected the following into Fellowships:

Elected into a Fellow-Commonership, with effect from 1 October 2015:

Dr Henry Bradford, M.Math., D.Phil., *Oxford*

Elected into a Research Fellowship (Class A), with effect from 1 January 2016:

Ms Cohl Furey, B.Sc., M.Sc., *Simon Fraser University, Canada*

Vacancies

Clare Hall: Non-Stipendiary Research Fellowships in the Arts and Social Sciences, 2016; closing date: 14 February 2016; further information: <http://www.clarehall.cam.ac.uk/applicants/research-fellows/> or email tutorial.secretary@clarehall.cam.ac.uk; applications: https://app.casc.cam.ac.uk/fas_live/clh_arts.aspx

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). 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.

© 2015 The Chancellor, Masters, and Scholars of the University of Cambridge.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, without the prior permission in writing of the University of Cambridge, or as expressly permitted by law.

The University is the owner or the licensee of all intellectual property rights in the site and in the material published on it. Those works are protected by copyright laws and treaties around the world. All such rights are reserved.

Material prepared for the primary purpose of providing information about the University of Cambridge, its teaching and research activities, its subsidiary companies and organizations with which it is associated or affiliated has been placed on the site by the University ('University Material').

Subject to statutory allowances, extracts of material from the site may be accessed, downloaded, and printed for your personal and non-commercial use and you may draw the attention of others within your organization to material posted on the site.