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UNIVERSITY OF
CAMBRIDGE

NOTICES**Calendar**

3 June, *Sunday*. Trinity Sunday. Scarlet Day. Service of Thanksgiving and Celebration for the Diamond Jubilee of Her Majesty the Queen at 3 p.m. in the University Church.

8 June, *Friday*. End of the third quarter of Easter Term.

12 June, *Tuesday*. Discussion at 2 p.m. in the Council Room (see below).

15 June, *Friday*. Full Term ends.

Discussions at 2 p.m.

12 June

10 July

Congregations

20 June, *Wednesday* at 2.45 p.m. (Honorary Degrees)

28 June, *Thursday* at 9.30 a.m. (General Admission)

29 June, *Friday* at 9.30 a.m. (General Admission)

30 June, *Saturday* at 9.30 a.m. (General Admission)

21 July, *Saturday* at 10 a.m.

Notice of a Discussion on Tuesday, 12 June 2012

The Vice-Chancellor invites those qualified under the regulations for Discussions (*Statutes and Ordinances*, p. 107) to attend a Discussion in the **Council Room**, on Tuesday, 12 June 2012, at 2 p.m., for the discussion of:

1. Report of the Council, dated 28 May 2012, on the financial position and budget of the University, recommending allocations from the Chest for 2012–13 (see p. 652).
2. Report of the General Board, dated 23 May 2012, on Senior Academic Promotions (see p. 673).

Discussion of 24 April 2012: Topic of concern

28 May 2012

The Council has received the remarks made at the Discussion held on 24 April 2012 on the following topic of concern:

The selective and unreasonable punishment of a single student for a collective act of protest by students and senior members.

The student in question has appealed to the Septemviri against the decision of the Court of Discipline and in the circumstances the Council does not believe that it should make a response to the points raised in the Discussion until after the Septemviri have heard and determined that appeal.

Office of Pro-Vice-Chancellor (Planning and Resources): Notice

28 May 2012

The Council gives notice that, after consultation with the General Board, and on the recommendation of the Nominating Committee for the appointment and reappointment of Pro-Vice-Chancellors (comprising the Vice-Chancellor as Chairman, Professor Frank Kelly, Dr David Good, Dr Rachael Padman (members of the Council), and Professor Howard Chase and Professor Simon Franklin (members of the General Board)), it has reappointed Professor Stephen John Young, *EM*, as senior Pro-Vice-Chancellor with responsibilities for Planning and Resources for three years from 1 August 2012.

VACANCIES, APPOINTMENTS, ETC.**Election**

Professor Jan Vermunt, M.Sc., Ph.D., *Tilburg University*, Professor of Teaching and Teacher Education, Utrecht University, elected Professor of Education with effect from 1 October 2012.

Vacancies in the University

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

Professorship of Education (1938); informal enquiries: contact Professor Peter Gronn (email pg348@cam.ac.uk, tel. 01223 767517); closing date: 11 June 2012; further particulars: <http://www.admin.cam.ac.uk/offices/academic/secretary/professorships/>

Professor of General Practice; informal enquiries: contact Professor Sir Patrick Sissons (email Regius@medschl.cam.ac.uk, tel. 01223 336738) or Professor Martin Roland (email mr108@cam.ac.uk, tel. 01223 763830); closing date: 28 June 2012; further particulars: <http://www.admin.cam.ac.uk/offices/academic/secretary/professorships/>

Slade Professorship of Fine Art; for each of academical years 2015–16 to 2019–20; informal enquiries: contact Dr Frank Salmon (email fes11@cam.ac.uk, tel. 01223 332975); closing date: 24 June 2012; further particulars: <http://www.admin.cam.ac.uk/offices/academic/secretary/professorships/>

University Lecturer in Architecture in the Department of Architecture; salary: £37,012–£46,846; closing date: 5 June 2012; further details: <http://www.arct.cam.ac.uk/jobs/new-lecturers-post>; quote reference: GC15432

Clinical Lecturer in the Department of Haematology; salary: £30,992–£53,663; tenure: four years; closing date: 25 June 2012 at 5 p.m.; further particulars: <http://www.medschl.cam.ac.uk/jobs/?p=1635>; quote reference: RB00126

Locum Clinical Lecturer in the Department of Paediatrics; salary: £30,992–£53,663; tenure: one year; closing date: 25 June 2012 at 5 p.m.; further particulars: <http://www.medschl.cam.ac.uk/jobs/?p=1692>; quote reference: RP00282

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 Faculty and Departmental websites, and in the following resources.

The What's On website (<http://www.admin.cam.ac.uk/whatson/>) carries details of exhibitions, music, theatre and film, courses, and workshops, and is searchable by category and date. Both an RSS feed and a subscription email service are available.

Talks.cam (<http://www.talks.cam.ac.uk/>) is a fully searchable talks listing service, and talks can be subscribed to and details downloaded.

Brief details of upcoming events are given below.

<i>Cambridge Central Asia Forum</i>	<i>Building states and markets: enterprise development in Central Asia</i> , by Dr Gül Berna Özcan, on 6 June 2012	http://www.cambridge-centralasia.org/?p=471
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REGULATIONS FOR EXAMINATIONS

The General Board give notice that, on the recommendation of the Faculty Board or other authority concerned, the regulations for certain University examinations have been amended as follows:

Modern and Medieval Languages Tripos, Part II

(Statutes and Ordinances, p. 367)

With effect from 1 October 2012

The Schedule of papers from other Triposes that may be taken in Part II has been amended.

SCHEDULE D

PAPERS FROM OTHER TRIPOSES THAT MAY BE TAKEN IN PART II

By amending the Schedule as follows:

- (i) By removing the following papers from the list of those that may be offered:

Natural Sciences Tripos, Part Ib

Papers in the subject Experimental Psychology

- (ii) By adding the following papers to the list of papers that may be taken subject to the provisions of Regulation 24:

Asian and Middle Eastern Studies Tripos, Part II

Paper MES. 37. History of the pre-modern Middle East

Classical Tripos, Part II

Paper X1. A subject specified by the Faculty Board from time to time: Gods and idols

Paper X2. A subject specified by the Faculty Board from time to time: Prostitutes and saints

The Faculty Board of Modern and Medieval Languages have confirmed that no candidate's preparation for the examination in 2013 will be affected by this change.

Bachelor of Theology for Ministry

(*Statutes and Ordinances*, p. 425)

With effect from 1 October 2012

Paper B9 (Pastoral theology and pastoral practice) will continue to be suspended for one more year, and will be replaced by Paper B9 (Psychology and religion) in 2012–13.

Regulation 14.

GROUP B.

Paper 9. Pastoral theology and pastoral practice

By continuing to suspend the paper until 1 October 2013 and to offer a paper entitled *Paper 9. Psychology and religion* in its place.

The Faculty Board of Divinity and the Management Committee of the Bachelor of Theology for Ministry have confirmed that no candidate's preparation for the examination in 2013 will be affected by this change.

Doctor of Medicine (M.D.): Special Regulations

(*Reporter*, 2011–12, p. 321)

With immediate effect

The regulations for the M.D. Degree by Special Regulations have been amended to include provision for the deposition of a successful candidate's dissertation in the University Library and in the Medical Library.

Regulations 22 and 23.

By renumbering these regulations as 23 and 24 and inserting the following new Regulation 22:

22. Before being admitted to the degree, a successful candidate examined by dissertation shall deposit with the Secretary of the M.D. Committee two copies of the dissertation and of the summary, both the dissertation and the summary being in a form approved by the M.D. Committee. The Secretary of the M.D. Committee shall deposit copies of the dissertation and the summary in the University Library and in the Medical Library, where they shall be available for consultation and for making copies for interlibrary loan purposes.

Examination in Modern Society and Global Transformations for the M.Phil. Degree

(*Statutes and Ordinances*, p. 506)

With effect from 1 October 2012

The Special Regulations governing the submission of work have been amended in order that candidates should now submit one methods essay instead of two as required under Regulation 2(a); and so as to introduce a lower limit on the word count. Lower limits on the word count for the substantive essay and for the thesis have also been introduced.

Regulation 2.

By amending the wording of the regulation so as to read:

2. The examination shall consist of:

- (a) *either* one essay, of not less than 2,500 words and not more than 3,000 words in length,¹ on topics approved by the Degree Committee in the methodology of the social sciences;
- or* course-work as prescribed by the Degree Committee on subjects falling within the fields of statistical methods, survey methods, and ethnographic research methods;
- (b) two essays, each of not less than 4,000 words and not more than 5,000 words,¹ on topics approved by the Degree Committee, and each falling within the field of one of the subjects published by the Degree Committee under Regulation 1;
- (c) a thesis, of not less than 15,000 and not more than 20,000 words,¹ on a subject approved by the Degree Committee.

¹ Including footnotes, tables, and appendices.

Examination in Music Studies for the M.Phil. Degree

(*Statutes and Ordinances*, p. 507)

With effect from 1 October 2012

The scheme of the examination has been amended to clarify the different options available to students. The special regulations have been amended so as to read:

MUSIC STUDIES

1. The scheme of examination for the one-year course of study in Music Studies for the degree of Master of Philosophy shall consist of either Option A or Option B or Option C. The Degree Committee for the Faculty of Music shall assign each candidate to a specified option.

2. Option A – All subjects except Composition and Performance Studies

(a) ten short abstracts of not more than 250 words each and an essay of not more than 3,500 words¹ on issues in musical studies;

and

(b) two essays, each of not more than 3,500 words,¹ on subjects specified by the Degree Committee, provided that with the permission of the Degree Committee, a candidate may substitute comparable exercises for either one or both of these essays;

and

(c) a thesis of not more than 15,000 words,¹ on a subject approved by the Degree Committee;

provided that with the permission of the Degree Committee a suitably qualified candidate may, in place of 2(a) and 2(c) above, submit a thesis of not more than 25,000 words¹ on a subject approved by the Degree Committee.

3. Option B – Composition

(a) ten short abstracts of not more than 250 words each and an essay of not more than 3,500 words¹ on issues in musical studies;

and

(b) four compositions in any idiom of the candidate's choice; the compositions should require 30–45 minutes in total to perform. Scores and recordings should be included as appropriate to the nature of the music; the submission should also be accompanied by an explanatory essay of not more than 5,000 words¹ on issues in composition as approved by the Degree Committee;

provided that with the permission of the Degree Committee a suitably qualified candidate may, in place of 3(a) and 3(b) above, submit

(c) four compositions in any idiom of the candidate's choice; the compositions should require 45–60 minutes in total to perform. Scores and recordings should be included as appropriate to the nature of the music; the submission should also be accompanied by an explanatory essay of not more than 7,500 words¹ on issues in composition as approved by the Degree Committee.

4. Option C – Performance Studies

(a) ten short abstracts of not more than 250 words each and an essay of not more than 3,500 words¹ on issues in musical studies;

¹ Including tables and footnotes but excluding appendices, bibliography, musical examples, and transcriptions.

and

(b) two essays of not more than 3,500 words,¹ on subjects specified by the Degree Committee, provided that with the permission of the Degree Committee a candidate may substitute comparable exercises for either one or both of these essays;

and

(c) a 15,000-word¹ thesis or a recital taking between 50 and 60 minutes to perform together with an essay on a related topic of not more than 7,500 words;¹

provided that with the permission of the Degree Committee a suitably qualified candidate may, in place of 4(a) and 4(c) above, present a recital taking between 50 and 60 minutes to perform and submit an essay on a related topic of not more than 12,500 words.¹

5. The examination in all Options shall include an oral examination on any aspect of the work submitted or, where applicable, performed; save that the Examiners may, at their discretion, waive the requirement for an oral examination.

¹ Including tables and footnotes but excluding appendices, bibliography, musical examples, and transcriptions.

Examination in Applied Criminology and Police Management for the M.St. Degree

(*Statutes and Ordinances*, p. 521; amended *Reporter*, 2011–12, p. 268)

With effect from 1 September 2012

The length of the candidate's report on the research exercise has been increased to 4,000 words. Paragraph (b) has been amended by replacing in the last line '3,000 words' by '4,000 words'.

Examination in Applied Criminology, Penology, and Management for the M.St. Degree

(*Statutes and Ordinances*, p. 521)

With effect from 1 September 2012

The programme specification for the examination in Applied Criminology and Police Management for the M.St. Degree has been changed to clarify the requirements for setting out the research proposal by replacing paragraph (b) so as to read:

(b) an exercise setting out a research proposal for the thesis on a topic suggested by the candidate and agreed with the Examiners; a candidate's report on such a research exercise shall not exceed 4,000 words in length, including notes and appendices;

Examination in Historic Environment for the M.St. Degree

(*Statutes and Ordinances*, p. 522)

With effect from 1 October 2012

The General Board and the Strategic Committee for the Institute of Continuing Education, on the recommendation of the Faculty Board of Human, Social, and Political Science, have agreed that the examination in Historic Environment for the M.St. Degree be suspended until 1 September 2013.

NOTICES BY FACULTY BOARDS, ETC.

Engineering Tripos, Parts IIA and IIB, 2012–13: Notice

The Faculty Board of Engineering give notice that the modules prescribed for the examinations to be held in 2013, and the mode of examination for each module, will be as follows:

PART IIA: MODULES

Unit	Title	Set	Mode	Notes
<i>Group A: Energy, fluid mechanics, and turbomachinery</i>				
3A1	Fluid mechanics I	IIAM8/L7	p	Double module
3A3	Fluid mechanics II	IIAM1/L1	p	Double module
3A5	Thermodynamics and power generation	IIAM7	p	
3A6	Heat and mass transfer	IIAL8	p	

Unit	Title	Set	Mode	Notes
<i>Group B: Electrical engineering</i>				
3B1	Radio frequency electronics	IAM3	p	
3B2	Integrated digital electronics	IAL3	p	
3B3	Switch-mode electronics	IAM2	p	
3B4	Electric drive systems	IAL2	p	
3B5	Semiconductor engineering	IAM6	p	
3B6	Photonic technology	IAL7	p	
<i>Group C: Mechanics, materials, and design</i>				
3C1	Materials processing and design (engineering)	IAM5	p	MET 3P1
3C5	Dynamics	IAM6	p	
3C6	Vibration	IAL6	p	
3C7	Mechanics of solids	IAM4	p	
3C8	Machine design	IAM3	p	
3C9	Fracture mechanics of materials and structures	IAL5	p	
<i>Group D: Civil, structural, and environmental engineering</i>				
3D1	Geotechnical engineering I	IAM1	p	
3D2	Geotechnical engineering II	IAL1	p	
3D3	Structural materials and design	IAM2	p	
3D4	Structural analysis and stability	IAL2	p	
3D5	Water engineering	IAL3	p	
3D7	Finite element methods	IAL4	p	
3D8	Building physics and environmental geotechnics	IAM3	p	
<i>Group E: Management and manufacturing</i>				
3E1	Business economics	IAL9	p	
3E2	Marketing	IAM11	p	
3E3	Modelling risk	IAM9	p	
3E5	Human resource management	IAM10	p	
3E6	Organizational behaviour	IAL10	p	
3E10	Operations management for engineers	IAL11	p	
<i>Group F: Information engineering</i>				
3F1	Signals and systems	IAM5	p	
3F2	Systems and control	IAL5	p	
3F3	Signal and pattern processing	IAL6	p	
3F5	Computer and network systems	IAM4	p	
3F4	Data transmission	IAL4	p	
3F6	Software engineering and design	IAL1	p	
<i>Group G: Engineering for the life sciences</i>				
3G1	Introduction to molecular bioengineering	IAM7	p	
3G2	Mathematical physiology	IAL8	p	
3G3	Introduction to neuroscience	IAL2	p	
3G4	Medical imaging and 3D computer graphics	IAM1	p	
3G5	Biomaterials	IAM8	p	
<i>Group M: Multidisciplinary modules</i>				
3M1	Mathematical methods	IAL10	p	
<i>Group S: Modules shared with Part IIb</i>				
4C4	Design methods	IAM12	p	Shared module
4D16	Construction and management	IAM12	p+c	Shared module
4M12	Partial differential equations and variational methods	IAL12	p	Shared module
4M16	Nuclear power engineering	IAL12	p	Shared module

NOTES

Sets: M = Michaelmas L = Lent
Assessment: p = exam only p+c = exam and course-work

PART IIA: SETS

Candidates may not offer more than one module for examination from any one of the following numbered sets, and may not offer three or more modules from Groups I and S combined. Students may not take more than two management modules.

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Set	Unit	Title	Mode	Notes
IIAM1	3A3	Fluid mechanics II	p	Double module
	3D1	Geotechnical engineering I	p	
	3G4	Medical imaging and 3D computer graphics	p	
IIAM2	3D3	Structural materials and design	p	
	3B3	Switch-mode electronics	p	
IIAM3	3B1	Radio frequency electronics	p	
	3C8	Machine design	p	
	3D8	Building physics and environmental geotechnics	p	
IIAM4	3C7	Mechanics of solids	p	
	3F5	Computer and network systems	p	
IIAM5	3C1	Materials processing and design	p	
	3F1	Signals and systems	p	
IIAM6	3B5	Semiconductor engineering	p	
	3C5	Dynamics	p	
IIAM7	3A5	Thermodynamics and power generation	p	
	3G1	Introduction to molecular bioengineering	p	
IIAM8	3A1	Fluid mechanics I	p	Double module
	3G5	Biomaterials	p	
IIAM9	3E3	Modelling risk	p	
IIAM10	3E5	Human resource management	p	
IIAM11	3E2	Marketing	p	
IIAM12	4C4	Design methods	p	Shared module
	4D16	Construction and management	p+c	Shared module

Lent

Set	Unit	Title	Mode	Notes
IIAL1	3A3	Fluid mechanics II	p	Double module
	3D2	Geotechnical engineering II	p	
	3F6	Software engineering and design	p	
IIAL2	3B4	Electric drive systems	p	
	3D4	Structural analysis and stability	p	
	3G3	Introduction to neuroscience	p	
IIAL3	3B2	Integrated digital electronics	p	
	3D5	Water engineering	p	
IIAL4	3D7	Finite element methods	p	
	3F4	Data transmission	p	
IIAL5	3C9	Fracture mechanics of materials and structures	p	
	3F2	Systems and control	p	
IIAL6	3C6	Vibration	p	
	3F3	Signal and pattern processing	p	
IIAL7	3A1	Fluid mechanics I	p	Double module
	3B6	Photonic technology	p	

Set	Unit	Title	Mode	Notes
IIAL8	3A6	Heat and mass transfer	p	
	3G2	Mathematical physiology	p	
IIAL9	3E1	Business economics	p	
IIAL10	3E6	Organizational behaviour	p	
	3M1	Mathematical methods	p	
IIAL11	3E10	Operations management for engineers	p	
IIAL12	4M12	Partial differential equations and variational methods	p	Shared module
	4M16	Nuclear power engineering	p	Shared module

PART IIB: MODULES

The modules prescribed for the examinations to be held in 2013, and the mode of examination for each module, will be as follows:

Unit	Title	Set	Mode	Notes
<i>Group A: Energy, fluid mechanics, and turbomachinery</i>				
4A2	Computational fluid dynamics	IIBM1	c	
4A3	Turbomachinery I	IIBM7	p+c	
4A4	Aircraft stability and control	IIBM2	c	
4A7	Aerodynamics	IIBM3	c	
4A9	Molecular thermodynamics	IIBM6	p	
4A10	Flow instability	IIBL6	p	
4A11	Turbomachinery II	IIBL9	p+c	
4A12	Turbulence and vortex dynamics	IIBL3	p	
4A13	Combustion and IC engines	IIBL5	p	
4A15	Aeroacoustics	IIBM9	p	
<i>Group B: Electrical engineering</i>				
4B2	Power microelectronics	IIBM8	p	
4B5	Nanotechnology	IIBM10	p+c	
4B6	Solid state devices and chemical/biological sensors	IIBL3	p	
4B7	VLSI design, technology, and CAD	IIBL1	p+c	
4B11	Photonic systems	IIBM9	p	
4B13	Electronic sensors and instrumentation	IIBL2	p	
4B14	Solar-electronic power: generation and distribution	IIBM4	p+c	
4B19	Renewable electrical power	IIBM2	p	
4B20	Display technology	IIBL6	p	
4B21	Analogue integrated circuits	IIBL5	p	
<i>Group C: Mechanics, materials, and design</i>				
4C2	Designing with composites	IIBM5	p+c	
4C3	Electrical and nano materials	IIBM6	p	
4C4	Design methods	IIBM14	p	Shared module
4C5	Design case studies	IIBL4	c	
4C6	Advanced linear vibrations	IIBM4	p+c	
4C7	Random and non-linear vibrations	IIBM8	p+c	
4C8	Applications of dynamics	IIBL1	p+c	
4C9	Continuum mechanics	IIBM7	p	
4C15	MEMS: design	IIBL6	p+c	
4C16	Advanced machine design	IIBL9	p+c	
<i>Group D: Civil, structural, and environmental engineering</i>				
4D4	Ground engineering	IIBL8	c	
4D5	Foundation engineering	IIBL5	p+c	
4D6	Dynamics in civil engineering	IIBL2	p+c	
4D7	Concrete structures	IIBL10	p+c	
4D10	Structural steelwork	IIBM5	p+c	
4D13	Architectural engineering	IIBM12	c	
4D14	Contaminated land and waste containment	IIBM1	p+c	
4D15	Sustainable water engineering	IIBL4	c	
4D16	Construction and management	IIBM14	p+c	Shared module
4D17	Plate and shell structures	IIBM3	c	

Unit	Title	Set	Mode	Notes
<i>Group E: Management and manufacturing</i>				
4E3	Information systems	IIBM15	c	
4E4	Management of technology	IIBL15	c	
4E5	International business economics	IIBL12	c	
4E6	Accounting and finance	IIBM16	c	
4E11	Strategic management	IIBL13	c	
4E12	Project management	IIBL14	c	
<i>Group F: Information engineering</i>				
4F1	Control system design	IIBM7	p+c	
4F2	Robust and non-linear control	IIBL9	p	
4F3	Optimal and predictive control	IIBL3	p	
4F6	Signal detection and estimation	IIBM5	p	
4F7	Digital filters and spectrum estimation	IIBM8	p	
4F8	Image processing and image coding	IIBM6	p	
4F10	Statistical pattern processing	IIBM9	p	
4F11	Speech and language processing	IIBL1	p	
4F12	Computer vision and robotics	IIBM2	p	
4F13	Machine learning	IIBL8	c	
<i>Group G: Engineering for the life sciences</i>				
4G2	Biosensors	IIBL8	c	
4G3	Computational neuroscience	IIBL4	c	
4G4	Biomimetics	IIBL11	c	
4G5	Molecular modelling	IIBM3	c	
4G6	Cellular and molecular biomechanics	IIBM10	p	
<i>Group I: Imported modules</i>				
4I1	Strategic valuation (TPE6)	IIBM17	c	
4I5	Nuclear materials	IIBM17	p	
4I7	Electricity and environment	IIBM12	c	
4I8	Medical physics	IIBL2	p	
4I9	Low power embedded systems programming	IIBM17	c	
<i>Group M: Multidisciplinary modules</i>				
4M1	French	IIBL7	c	
4M2	German	IIBL7	c	
4M3	Spanish	IIBM11	c	
4M4	Japanese	IIBM11	c	
4M6	Materials and processes for microsystems (MEMS)	IIBM1	p+c	
4M9	Surveying field course	IIBLV1	c	
4M12	Partial differential equations and variational methods	IIBL11	p	Shared module
4M14	Sustainable development	IIBM13	c	
4M15	Sustainable energy	IIBL10	p+c	
4M16	Nuclear power engineering	IIBL11	p	Shared module
4M17	Practical optimization	IIBM12	c	
<i>Group R: Research modules available to certain undergraduates</i>				
5R18	Environmental fluid mechanics	IIBL8	c	

NOTES

c: Course-work p: Exam p+c: Exam and course-work

PART IIB: RESTRICTIONS ON THE COMBINATIONS OF MODULES CANDIDATES MAY CHOOSE TO OFFER

Candidates, when choosing modules for examination, may not offer two or more modules from any one of the following numbered sets. In addition, students may take not more than THREE from the following: any of the 4E papers; 4I1 and 4I7; 4M1–4, and (when available) 4D16.

No candidate who offered any module for Part IIA may again offer the same module for Part IIB.

Group R modules are restricted to candidates who have been classed with a First in Part IIA of the Engineering Tripos; candidates may not offer more than one module from this group.

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Set	Unit	Title	Mode	Notes
IIBM1	4A2	Computational fluid dynamics	c	
	4D14	Contaminated land and waste containment	p+c	
	4M6	Materials and processes for microsystems (MEMS)	p+c	
IIBM2	4A4	Aircraft stability and control	c	
	4B19	Renewable electrical power	p	
	4F12	Computer vision and robotics	p	
IIBM3	4A7	Aerodynamics	c	
	4D17	Plate and shell structures	c	
	4G5	Molecular modelling	c	
IIBM4	4B14	Solar-electronic power: generation and distribution	p+c	
	4C6	Advanced linear vibrations	p+c	
IIBM5	4C2	Designing with composites	p+c	
	4D10	Structural steelwork	p+c	
	4F6	Signal detection and estimation	p	
IIBM6	4A9	Molecular thermodynamics	p	
	4C3	Electrical and nano materials	p	
	4F8	Image processing and image coding	p	
IIBM7	4A3	Turbomachinery I	p+c	
	4C9	Continuum mechanics	p	
	4F1	Control system design	p+c	
IIBM8	4B2	Power microelectronics	p	
	4C7	Random and non-linear vibrations	p+c	
	4F7	Digital filters and spectrum estimation	p	
IIBM9	4A15	Aeroacoustics	p	
	4B11	Photonic systems	p	
	4F10	Statistical pattern processing	p	
IIBM10	4B5	Nanotechnology	p+c	
	4G6	Cellular and molecular biomechanics	p	
IIBM11	4M3	Spanish	c	
	4M4	Japanese	c	
IIBM12	4D13	Architectural engineering	c	
	4I7	Electricity and environment	c	
	4M17	Practical optimization	c	
IIBM13	4M14	Sustainable development	c	
IIBM14	4C4	Design methods	p	Shared module
	4D16	Construction and management	p+c	Shared module
IIBM15	4E3	Information systems	c	
IIBM16	4E6	Accounting and finance	c	
IIBM17*	4I1	Strategic valuation (TPE6)	c	
	4I5	Nuclear materials	p	
	4I9	Low power embedded systems programming	c	

*Please note that as the Faculty Board do not have exclusive control over all sets they cannot guarantee that those marked with a star will not clash with any other set.

Lent

Set	Unit	Title	Mode	Notes
IIBL1	4B7	VLSI design, technology, and CAD	p+c	
	4C8	Applications of dynamics	p+c	
	4F11	Speech and language processing	p	
IIBL2	4B13	Electronic sensors and instrumentation	p	
	4D6	Dynamics in civil engineering	p+c	
	4I8	Medical physics	p	
IIBL3	4A12	Turbulence and vortex dynamics	p	
	4B6	Solid state devices and chemical/biological sensors	p	
	4F3	Optimal and predictive control	p	
IIBL4	4C5	Design case studies	c	
	4D15	Sustainable water engineering	c	
	4G3	Computational neuroscience	c	
IIBL5	4A13	Combustion and IC engines	p	
	4B21	Analogue integrated circuits	p	
	4D5	Foundation engineering	p+c	
IIBL6	4A10	Flow instability	p	
	4B20	Display technology	p	
	4C15	MEMS: design	p+c	
IIBL7	4M1	French	c	
	4M2	German	c	
IIBL8	4D4	Ground engineering	c	
	4F13	Machine learning	c	
	4G2	Biosensors	c	
	5R18	Environmental fluid mechanics	c	
IIBL9	4A11	Turbomachinery II	p+c	
	4C16	Advanced machine design	p+c	
	4F2	Robust and non-linear control	p	
IIBL10	4D7	Concrete structures	p+c	
	4M15	Sustainable energy	p+c	
IIBL11	4G4	Biomimetics	c	
	4M12	Partial differential equations and variational methods	p	Shared module
	4M16	Nuclear power engineering	p	Shared module
IIBL12	4E5	International business economics	c	
IIBL13	4E11	Strategic management	c	
IIBL14	4E12	Project management	c	
IIBL15	4E4	Management of technology	c	
Long Vacation				
LV1	4M9	Surveying field course		

Manufacturing Engineering Tripos, Part II_A, 2012–13: Notice

The Faculty Board of Engineering give notice that the modules prescribed for the examinations to be held in 2013, will be as follows:

- 3P1. Materials into products
- 3P2. Production machines and systems
- 3P3. Product design
- 3P4. Operations management
- 3P5. Industrial engineering
- 3P6. Organizational behaviour
- 3P7. Managing business and people
- 3P8. Financial and management accounting
- 3P9. Industrial economics, strategy, and governance
- 3P10. Contemporary issues in manufacturing

All modules will be assessed by examination only, with the exception of module 3P3, which will be assessed by course-work only.

Modern and Medieval Languages Tripos, 2012–13: Notice

NOTICE OF VARIABLE SUBJECTS

The Faculty Board gives Notice of the following variable subjects to be examined in Tripos 2013:

PART II

French

Fr. 7. Topics in Medieval Studies:

Defining the human in medieval French literature and culture

Fr. 14. A Special Topic in French studies (A):

This paper is not available in 2012–13.

Fr. 15. A Special Topic in French studies (B):

Historical perspectives: ethics and the erotic in Occitan thought, 1120–1320

Fr.16. A Special Topic in French studies (C):

Colonization, empire, and globalization: technologies of space in French culture since 1700

German

Ge. 12. A special period or subject in German literature, thought, or history (i):

History and identity in Germany, 1750 to the present

Ge. 13. A special period or subject in German literature, thought, or history (ii):

Aspects of German-speaking Europe since 1945

Italian

It. 9. A special subject in Italian culture:

This paper is not available in 2012–13.

Neo Latin

NL. 2. A special subject in Neo-Latin literature:

Sannazaro, Poliziano, Bèze, Buchanan

Comparative Studies

CS. 4. A special subject in comparative literature (i):

This paper is suspended until further notice.

CS. 5. A special subject in comparative literature (ii):

The Body

PRESCRIBED TEXTS AND TOPICS

The Faculty Board of Modern and Medieval Languages give notice that, with effect from October 2012, the Faculty will no longer publish a Notice of prescribed texts and topics for papers offered in the Modern and Medieval Languages Tripos in the *Reporter*.

Information on texts and topics will be made available on the Faculty's website by the division of Easter Term the year preceding the examination.

REPORTS

Report of the Council on the financial position and budget of the University, recommending allocations from the Chest for 2012–13

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

1. This Budget Report reviews the financial position of the University and recommends allocations from the Chest for the financial year 2012–13.

2. Information on trends in staff and student numbers, research, and expenditure patterns is provided in the usual way in Appendices 1–5 (pp. 662–73).

OVERVIEW

3. In the 2011 Budget Report, the Council emphasized the need for tight budgetary constraint in the face of the challenging financial environment and uncertain funding climate. Schools and institutions absorbed a 2% reduction in allocation compared to 2010–11, and they were asked to plan on only a 1% per annum increase thereafter.

4. The key message of this Budget Report is that whilst the outlook is showing some signs of improvement, it is crucial that we continue to manage spending carefully in order to bring the Chest budget back into balance while providing sufficient flexibility to meet our strategic objectives. The cumulative Chest deficit predicted for the period 2009–10 to 2015–16 in the 2011 Budget Report is now reduced from £36m to £23m with a return to surplus expected one year ahead of schedule in 2014–15. The University's long-term financial target continues to be a surplus of 2%–3% of Chest income to provide the investment needed to remain globally competitive. The fragile economic recovery and uncertain financial climate continue to make this target a considerable challenge.

5. The external funding prospects are generally unchanged from the 2011 Budget Report, although uncertainties remain. The new UK and EU students' tuition fees of £9,000 for new entrants to all undergraduate courses will be introduced from October 2012, and will replace, on a phased basis, the greater part of the Higher Education Funding Council for England (HEFCE) Teaching funding, which will further reduce by about two-thirds over the next five years. By 2016–17 nearly all undergraduate students will be under the new fee regime, by which point the total increase in teaching income (fees plus teaching funding) in absolute terms is forecast to be about £20m compared to 2011–12. The OFFA Access Agreement predicts spending on bursaries and widening participation to increase by 60% from 2011–12 to 2016–17 to nearly £10m, with the division of the costs subject to the revised agreement on College Fees. Although, compared to funding levels in 2009–10, net Chest income for teaching after bursary costs will still be 4% less in real terms in 2016–17, the position is predicted to be much improved compared to the 12% reduction in 2011–12.

6. Government funding for research continues to be ring-fenced in cash terms, making it harder for the University to maintain its share in real terms. Competition for RCUK awards is increasing. Priority is likely to be given to large-scale programmes that support the RCUK's Strategic Vision, and which focus on innovative and collaborative global research demonstrating clear

and defined benefits for society and the wider economy. It is therefore ever more important that the University makes a collective effort to develop and support compelling strategic research initiatives that can attract large-scale funding.

7. The University must also reassure its funders that it is effective, economical, and efficient in its use of the resources they provide. The recent Wakeham Review¹ and Diamond Report² have brought the concept of value for money for research funding under much greater scrutiny. Research Councils are driving efficiencies in institutions by reductions in indexation and indirect cost rates. Approximately £8m of funding is being withdrawn from the University over the period 2011–12 to 2014–15, of which approximately half represents a reduction in direct costs. The impact of the reduction in indexation for direct costs is relatively small in light of the very modest pay award. The claw back on indirect costs is of more concern. This, together with the current shift towards research funded by Charity and EU sponsors, will add further pressure to the downward trend in the University's indirect cost recovery.

8. The provision of funding for new capital equipment is also under scrutiny following Wakeham. Research Councils require evidence that existing equipment and facilities are being used efficiently and effectively and, where possible, that opportunities to share resources with other universities are being taken. While it may still be possible to secure Research Council funding for 100% of capital equipment, the general expectation is that universities will be required to contribute at least 50%, and the thresholds for funding have been raised. In response, the University has joined forces with a small group of other southern universities to establish an equipment sharing capability and to develop equipment sharing registers.

9. Against this tight external budgetary framework, Schools and institutions are working hard to raise revenue and make savings, spending reserves where necessary in order to achieve balanced budgets. From 2012–13, fees from overseas students and students on premium M.Phil. courses will generate on average £0.7m per annum more than predicted in the 2011 Budget Report. Growth in Executive Education activities is forecast to generate an additional £15m of income by the end of the planning period. Arts Council England funding totalling £4.5m has been secured for the benefit of all the University's museums over the next three years. Investment income forecasts have increased by £2.7m due in the main to the transfer of cash into the Cambridge University Endowment Fund (CUEF) in anticipation of superior long-term returns to funds held on deposit. As a result of the Voluntary Severance Scheme, the University is projected to accrue significant recurrent savings averaging £4.2m per annum, of which £3.7m represents savings on the Chest.³ Around half of supported applications were from staff in the UAS, and there has been

¹ <http://www.rcuk.ac.uk/documents/reviews/fec/fecReviewReport.pdf>.

² <http://www.universitiesuk.ac.uk/Publications/documents//2011/EfficiencyinHigherEducation.pdf>.

³ From 2011–12 to 2013–14, the total net saving less upgrading and replacement costs and less VSS severance costs is just over £7.3m, of which £6.2m represents savings on the Chest. Total severance costs incurred in 2011–12 were £5.4m of which the cost to the Chest was £2.0m.

considerable strategic restructuring as a result. Recurrent savings on UAS Chest-funded posts have resulted in a permanent reduction of £1m to the UAS Chest allocation.

10. Taking these external and internal considerations into account, this Budget Report recommends allocations for 2012–13 which are forecast to result in a Chest deficit of £6.8m. On current projections, the Chest will return a surplus of £3.0m in 2014–15 increasing to £5.4m by 2015–16.⁴ Over the period 2009–10 to 2015–16, the cumulative deficit is now predicted to be £23.1m, well within the £40m maximum agreed by Council, and less than the £36m deficit predicted in the 2011 Report.

PLANNING ROUND 2011

11. In July 2011, the PRC agreed that there were no strong reasons to change the Planning Round guidance issued in the previous year. Schools and institutions have, therefore, prepared forecasts of income and expenditure assuming a 1% increase in Chest allocation for 2012–13 over 2011–12, and for each year thereafter.

12. In the planning guidance issued to Schools and institutions, the pay awards listed below were assumed for modelling purposes. Subsequently, the August 2011 pay award was confirmed as being a flat £150 cash increase, which is less than the 0.5% budgeted for. The difference represents a saving on the Chest of approximately £220,000 per annum over the planning period, and adjustments have been made to School and institution forecast pay costs. As a result, forecast Chest allocations for 2012–13 and baselines from 2013–14 have been reduced.

August 2011:	0.5%
August 2012:	0.5%
August 2013:	1.0%
August 2014:	1.0%
August 2015:	1.0%

All additional pay costs of whatever origin arising from pay awards, promotions, increments, and regrading must be met from within projected allocations except where separate provision is made. The Finance Division's pay model is used to identify how University-level forecasts would change for different pay assumptions.

13. A default inflation assumption of 2% has been used for non-pay inflation in all years.

14. The RMC continue to support the use of a new mechanism based on the Resource Allocation Model (RAM) to ensure adequate incentives are in place to maximize Chest income and minimize Chest costs. The RAM Distribution Model (RDM) was described in the previous Budget Report,⁵ and is based on end-of-year RAM calculations, whereby if a School's RAM surplus exceeds 5% of its out-turn then 10% of the surplus above the tolerance band is added to the School's allocation in the next round. Similarly, if a School's RAM deficit exceeds 5% of actual out-turn, then 10% of the deficit below the tolerance band is subtracted from the allocation. The operation of this mechanism based on the accounts for 2010–11 has resulted in an increase in core allocation in 2012–13 for one School and a reduction for three (see the summary in paragraph 22 below).

⁴ Table 1 summarizes actual Chest out-turn for 2010–11. Compared to Budget Report 2011, in which the forecast deficit of £1.8m was updated to a forecast deficit of £3.7m, the actual position on the Chest was a surplus of £4.7m.

⁵ *Reporter*, 2010–11, pp. 766–7.

FEES AND FUNDING FORECASTS

15. HEFCE Funding for teaching in 2011–12, as announced in March 2011, was £56.1m which was subsequently marginally reduced in-year to £56.0m. The funding for 2012–13 announced in March 2012 is £45.8m.

16. HEFCE funding for research in 2011–12, as announced in March 2011, was £117.5m. The total research funding for 2012–13, announced in March 2012, is £120.5m. The improvement is due to an increase in Research Degree Programme supervision funds and Charity QR funding.

17. HEFCE funding for capital may be subject to change. Current indications are that £45.5m of Research Capital Investment funding will be available for the four years from 2011–12 to 2014–15, of which £9.2m has been allocated in the current year. The University expects to receive £0.6m of Teaching Capital Investment funding in 2012–13.

THE CURRENT YEAR

18. The Council reported in the 2011 Budget Report that the estimated total income for the year 2011–12 would be £801.7m, being £357.5m Chest income and £444.2m non-Chest income. The overall position on the Chest was expected to be a deficit of £9.2m, which is now forecast to be a deficit of £7.9m. This small improvement comprises a number of changes which are summarized in Table 2 (p. 658). The most significant positive change is the increase in endowment income and interest receivable. Cash surpluses from operations in recent years have been invested in CUEF units in anticipation of a superior long-term return to money held on deposit. In addition, the CUEF distribution rates are higher than those forecast in the 2011 Budget Report. This, and the reduction in forecast for estates-related expenditure, has countered the £3.1m fall in forecast income from research grants and contracts.

19. For the purposes of this Report, allocations to Schools and institutions are assumed to be fully spent even if a balance is carried forward to the next year. There is evidence that funds are being managed carefully with actual expenditure from allocations slightly below budget. The anticipated underspends will assist Schools and institutions in meeting the future budgetary constraints.

20. Income-generating activity funded outside the Chest (excluding Cambridge University Press, Cambridge Assessment, and the Cambridge Trusts) was forecast to generate a small surplus of £0.5m in 2011–12 after making a contribution to the Chest for central costs. This component of the budget is difficult to predict with precision mid-year, but there is currently no reason to expect a significantly different out-turn by the end of the year.

ESTIMATES FOR 2012–13

21. Chest income for 2012–13 is forecast to be £364.8m. Chest expenditure for 2012–13 is forecast to be £371.6m, which is lower than the £374.5m forecast last year, and due in the main to a reduction in expenditure forecasts for the central administered funds which support University-wide costs. A breakdown of the forecasts for 2012–13 is shown in Table 3 (p. 659).

22. The forecasts for Chest expenditure make allowance for a number of additions to the 1% core Allocation increase. In the case of the Schools, the net

Net increases in allocations

2012–13	Additions to allocations ⁶		RDM adjustment	Total increase in allocation	
	£000	£000		£000	£000
SAH	249		(127)		122
SHSS	1,214		(11)		1,203
ST	812		242		1,054
SPS	161		0		161
SBS	335		(157)		178
SCM	28		0		28
Schools Total	2,799		(53)		2,746
University Library	528		N/A		528
Fitzwilliam Museum	185		N/A		185
Institute of Continuing Education	52		N/A		52 ⁷
Unified Administrative Service	303		N/A		303 ⁸
University Computing Service	94		N/A		94 ⁹
Others Total	1,162		N/A		1,162

increases arise as a result of their share of additional M.Phil. fee income and RDM adjustments. The University Library and Fitzwilliam Museum increases are funded entirely by HEFCE grant income earned on the basis of their activity.

23. The Council continues to consider that the current level of the buildings maintenance budget, at just under £16m, is broadly appropriate. However, growth in the University Estate under the Capital Plan will demand an increase in maintenance provision, and this may require an increase in Chest allocation towards the end of the planning period. A new forecasting model is to be developed in time for the next planning round, and it is hoped that this will help clarify the extent of any future shortfall.

24. The Operating Budget described in this Report is developed and managed on a fund accounting basis. The University's annual Financial Statements are prepared on a financial accounting basis consistent with generally accepted accounting principles. A number of adjustments are needed to convert the Operating Budget to a format comparable to the Income and Expenditure account seen in the University's Financial Statements. The main adjustments are to remove capital expenditure from the Operating Budget and bring in a depreciation charge, and to estimate the amount of spend against reserves and build-up of reserves. To aid comparison with the Financial Statements, such a conversion of the Operating Budget for 2012–13 is shown in Table 5 (p. 661). The Council considers, however, that the format used in Table 3 is the appropriate one for planning.

FORWARD FORECASTS

25. The forecasts for the Chest show a gradual improvement, and by 2015–16 the prediction is a Chest surplus of £5.4m as summarized in Table 4 (p. 660). This assumes no growth in volume of research grants and contracts.

⁶ Other changes include Business Research Funding, Overseas UG fees, adjustments for over-and under-allocating in the previous year following receipt of actual student numbers, and reductions to pay forecasts in light of the lower-than-predicted pay award.

⁷ This will fund the changes to and development required of the ICE Registry, which, as approved by the General Board, is to assume responsibility for all Master of Studies programmes.

26. Tuition fee income beyond 2012–13 is based on expected changes to the composition of the student population and the changing fee structures. The phasing of the full £9,000 tuition fee for Home/EU undergraduates covers the period to 2016–17, at which point almost all students will be under the new regime. The Government has just announced that tuition fee maxima in 2013–14 will be held flat. This represents a reduction of almost £2m per annum by 2015–16 compared with the assumption last year of an annual inflationary increase.

27. Projections of expenditure beyond 2012–13 have been built up from the detailed plans at School and institution level submitted in December 2011.

28. Pay awards have been assumed to be 0.5% per annum until 2012–13 and 1% per annum thereafter. However, in view of the level of uncertainty about future pay awards, a contingency continues to be set aside against the risk of higher pay than currently assumed in the plan.

29. Negotiations on the new College Fee arrangements have been completed and a proposal agreed. A separate Notice providing the details will be issued in due course. However, the net effect is to provide a smooth continuation of the College Fee with the overall contribution being close to the historic norm of 45% of net teaching income for Home and EU undergraduates.

30. Work continues on proposals for the University's land at North West Cambridge to provide housing for staff and students together with provision for future academic and research accommodation. In October 2011, the Council commended the proposals for Phase 1 as set out in the original feasibility report dated June 2011, and approved expenditure of £13.25m on pre-development work for the project through to November 2012. On the advice of the Finance Committee, the Council approved this budget as a loan from the Chest and, subject to any significant changes to the financial appraisal or viability of the project, the Council expects to publish a Report in due course seeking the approval of the Regent House to proceed with the construction work of Phase 1.¹⁰

⁸ This will fund increased Oracle licensing costs and new support requirements in the Vice-Chancellor's and Pro-Vice-Chancellors' offices. The UAS Review noted that the roles performed in these offices had increased in complexity and demanded more structured staff support. The forecast increase in allocation for the UAS follows a permanent reduction of £1m to the UAS baseline as a result of the Voluntary Severance Scheme.

⁹ This is cost-neutral and funded entirely via a corresponding decrease in the centrally-managed University Equipment Grant.

¹⁰ *Reporter*, 2011–12, pp. 82–4.

31. Endowment and investment income from the Cambridge University Endowment Fund (CUEF) has been projected by applying the formula set out in the regulations for the distributions from the Amalgamated Fund (*Statutes and Ordinances*, p. 922) with the assumption of a continuing modest recovery of the investment markets over the planning period. The formula balances the competing objectives of a stable flow of income to support operations while protecting the value of the endowment in real terms over time. This ‘smoothing’ approach allows consistency for planning and expenditure whilst adjusting gradually to changes in market values. The Finance Committee, with the advice of the Investment Board, will continue to keep the distribution policy under review.

CAPITAL PLANNING

32. The 2011 Budget Report introduced the Capital Planning Framework and the Capital Fund. Since then the procedures around these have been developed and the Capital Plan has been formulated. Additional demands on the Capital Fund have arisen, and these are discussed below. Last year there was uncertainty regarding the continuation of CIF, but it has been confirmed that the University can expect to receive capital investment funds from the Government, via HEFCE, over the next four years, albeit at a much lower level than previously (at just over 30%).

33. The Research Councils have changed the basis on which they provide funds for equipment in research grants. For equipment items costing below the OJEU limit,¹¹ the Councils provide 50% of the cost for approved equipment; for items costing above that, the amount can vary. Applications for grants which include equipment above the OJEU limit must include a guarantee that funds will be made available if the application is successful. The equipment component of the Capital Fund, therefore, is now used in three ways:

- (a) For the purchase of equipment which is high cost, or meets a large programme of need, for which there is no sponsor.

- (b) To cover the 50% of equipment costs in successful research projects. This is devolved to Schools each year.
- (c) To support the purchase of expensive items of equipment necessary for a research project for which the sponsor will not cover the full cost.

Research Councils now make it a requirement that expensive items of equipment should be shared internally or regionally.

34. The building element of the Capital Fund was originally intended for major projects, i.e. those costing in excess of £2m. However, this would leave a funding gap between the scope of the Minor Works Fund and the intended use of the Capital Fund. It has been agreed, therefore, that an amount of about £3m per annum should be reserved within the Capital Fund to support building projects in this category.

35. The redevelopment of the central sites is a major theme of the Capital Plan. To this end the Old Press Site/Mill Lane Working Group has continued its work, and recently a New Museums Site Project Board has been established. The redevelopment of the Old Press Site will create the need to find new locations for all the displaced institutions while the New Museums Site will become an opportunity as a consequence of Departments, such as Materials Science and Metallurgy, and Chemical Engineering and Biotechnology, moving to the West Cambridge Site.

36. There are currently several major projects at various stages of implementation representing a significant capital investment: the new buildings for the Departments of Materials Science and Metallurgy, and Chemical Engineering and Biotechnology; the new Sports Centre; the proposed Data Centre; the conversion of the Arup Building for the Cambridge Conservation Initiative; and the development of facilities for Student Services.

37. Forecast Capital Fund income and expenditure is set out in the table below. The Council has agreed that the fund can go up to £100m in deficit provided that it covers the costs. It should be noted that planned expenditure beyond 2013–14 has not yet been subject to detailed costing and value engineering.

¹¹ The OJEU threshold value is £101,323 (net of VAT) or £121,588 (inclusive of VAT).

Forecast Capital Fund income and expenditure

	2011–12	2012–13	2013–14	2014–15	2015–16
	£m	£m	£m	£m	£m
Brought forward	19.6	27.3	21.0	(11.3)	(39.5)
<i>Income</i>					
Cam Assessment regular	11.1	12.0	13.9	15.6	17.6
Cam Assessment triennial	13.5			12.0	
Cam Assessment – use for					
Chest income	-10.0	0.0	0.0	0.0	0.0
CUP	2.1	2.5	4.0	6.2	6.2
CIF	9.2	12.7	12.1	10.0	10.0
Chest allocation	0.0	1.9	0.0	0.0	0.0
	25.9	29.1	30.0	43.8	33.8
<i>Spend</i>					
Buildings	10.2	27.2	53.7	63.1	67.6
Equipment	8.0	8.3	8.6	8.9	9.2
	18.2	35.5	62.3	72.0	76.8
Carried forward	27.3	21.0	(11.3)	(39.5)	(82.5)

EXTERNAL RISKS AND UNCERTAINTIES

38. Assumptions about future pay awards are a key area of sensitivity in the financial projections of this Budget Report. Chest pay costs across the University total just over £200m, so each percentage rise in pay creates a significant, additional recurrent cost. Although a central contingency is set aside towards alleviating the impact of this risk, the extent to which pay may increase is uncertain, and there may be other unforeseen needs for which drawdown from the contingency fund may be required. In the letter informing the HEFCE of allocations for 2012–13, the Department for Business Innovation and Skills has emphasized that it is essential the sector exercise effective pay restraint.¹²

39. The University is facing a downwards trend in its overhead recovery rate as are most other UK research-intensive institutions. At the same time research funders are putting emphasis on larger, multi-disciplinary research grants, and are seeking greater value for money from their investment. Some funders have also implemented restrictions on the number of applications that Principal Investigators can submit each year, based on grant application success rates. In response to these pressures, the University's Research Policy Committee has adopted a University-wide strategic approach that aims to maximize and increase the University's effectiveness with industry, and to lessen dependence on the Research Councils and charities. A key element in the strategy is to organize and present the University's leading-edge research so that the University is well-placed to compete for very large grants. To this end the Research Policy Committee has established a number of strategic initiatives that build on the existing research base, and which can only be addressed by multi-disciplinary teams of researchers. Large bids consume considerable resources, and dedicated funds are available to provide research facilitators and fund conferences, symposia, and website development.

40. The publication by the Government of the Higher Education White Paper, 'Students at the heart of the system',¹³ and a technical consultation, 'A new, fit-for-purpose regulatory framework for the Higher Education sector',¹⁴ signalled major changes to the way the Higher Education system in England will be funded and regulated. HEFCE is currently consulting on changes to student number controls and teaching funding from 2013–14.

RECOMMENDATIONS

47. The Council recommends:

I. That allocations from the Chest for the year 2012–13 be as follows:¹⁵

- (a) to the Council for all purposes other than the University Education Fund: £169.1m;
- (b) to the General Board for the University Education Fund: £202.5m.

II. That any supplementary HEFCE grants which may be received for special purposes during 2012–13 be allocated by the Council, wholly or in part, either to the General Board for the University Education Fund or to any other purpose consistent with any specification made by the HEFCE, and that the amounts contained in Recommendation I above be adjusted accordingly.

¹² <http://www.bis.gov.uk/assets/biscore/higher-education/docs/L/letter-he-funding-25-jan-2012>.

¹³ <http://discuss.bis.gov.uk/hereform/white-paper/>.

¹⁴ <http://discuss.bis.gov.uk/hereform/technical-consultation/>.

INTERNAL RISKS AND UNCERTAINTIES

41. The governance, organization, and strategic development of IT infrastructure and support across the University is currently under review; this was an outcome of the PRC's Working Groups which reported last year. A report making recommendations will be put forward to the Council and the General Board in due course.

42. An independent review of Cambridge University Development Office and Cambridge in America has been carried out to advise on the organizations, structures, and resources required for the next campaign. Recommendations arising as a result of the review will be made in due course.

43. Over the planning period Schools' Chest-sourced reserves are forecast to reduce from a peak of £40m in July 2011 to £20m by 2015–16. Although the spend-down of reserves is a risk and could inhibit a School's flexibility to make strategic investments, it is also an important strategy, in co-ordination with constrained expenditure, to achieving balanced budgets. The rate at which reserves are spent will need to be closely monitored for all Schools and institutions.

44. Preparations are underway for the Research Excellence Framework (REF). The outcome of REF submissions will be known at the end of 2014, and will determine quality-related research funding from 2015–16. A central fund was established in the previous planning round in order to provide funding to support preparation for submissions and facilitate strategic academic appointments. Initial allocations for Schools have been agreed.

CONCLUSIONS

45. In recommending this budget, the Council is aware that this will be the third year in succession that it has recommended a planned deficit on the Chest. However, this is consistent with the strategy set out in the 2010 and 2011 Budget Reports, which is designed to strike an appropriate balance between financial prudence and the need to ensure that the excellence of our teaching and research is not irreparably compromised.

46. Overall the prospects do appear to be improving. The cumulative Chest deficit predicted for the period 2009–10 to 2015–16 in the 2011 Budget Report is now reduced from £36m to £23m with a return to surplus expected one year ahead of schedule in 2014–15. Nevertheless, it is essential that Schools and institutions continue to maintain careful control over expenditure. As outlined above, risks and uncertainties remain and, while the Chest remains in deficit, it is essential that the current prudent planning guidance is maintained.

¹⁵ The outcome of a proposal to bring the Fitzwilliam Museum and Kettle's Yard under General Board supervision during 2012–13 may change the balance of allocations between the Council and the General Board, but will not affect the combined total.

28 May 2012	L. K. BORYSIEWICZ, <i>Vice-Chancellor</i>	I. M. LE M. DU QUESNAY	MAVIS McDONALD
	DAVID ABULAFIA	NICK GAY	SUSAN OOSTHUIZEN
	N. BAMPOS	DAVID GOOD	RACHAEL PADMAN
	RICHARD BARNES	ANDY HOPPER	T. PARRY-JONES
	D. CASSERLEY	CHRISTOPHER HUM	JOHN SHAKESHAFT
	STEPHEN J. COWLEY	F. P. KELLY	GERARD TULLY
	ATHENE DONALD	VANESSA LAWRENCE	A. D. YATES
	R. J. DOWLING	ROBERT LETHBRIDGE	

TABLES AND APPENDICES

TABLE 1: CHEST 2010–11 ACTUAL OUT-TURN VERSUS BUDGET

	Budget 2010–11 £m	Actual 2010–11 £m	Variance 2010–11 £m
Income			
Grants from the Funding Council	182.7	181.0	(1.7)
Teacher Development Agency	2.8	2.7	(0.1)
Academic Fees	90.1	93.5	3.4
Research Grants and Contracts	40.0	34.6	(5.4)
Endowment Income and Interest Receivable	15.5	19.1	3.6
Other Operating Income	7.6	4.0	(3.6)
Cambridge Assessment	11.3	15.0	3.7
Other Services Rendered	1.5	1.0	(0.5)
TOTAL INCOME	351.5	350.9	0.6
Allocation/Expenditure			
Academic Departments	162.5	162.5	0.0
Academic Institutions and Services	26.1	26.1	0.0
Staff and Student Services	2.0	2.0	0.0
Unified Administrative Service (UAS)	31.7	31.7	0.0
College Fee	42.0	40.8	1.2
Estates related expenditure	38.4	35.6	2.8
Other administered funds	50.6	47.5	3.1
TOTAL EXPENDITURE	353.3	346.2	7.1
Surplus / (Deficit)	(1.8)	4.7	6.5

TABLE 2: CHEST 2011–12 LATEST FORECAST

	Original Budget 2011–12 £m	Latest Forecast 2011–12 £m	Changes to Chest 2011–12 £m
Income			
Grants from the Funding Council	178.2	178.2	0.0
Teacher Development Agency	2.3	2.3	0.0
Academic Fees	101.6	101.1	(0.5)
Research Grants and Contracts	38.0	34.9	(3.1)
Endowment Income and Interest Receivable	17.8	21.3	3.5
Other Operating Income	8.3	7.8	(0.5)
Cambridge Assessment	10.0	10.0	0.0
Other Services Rendered	1.3	2.0	0.7
TOTAL INCOME	357.5	357.6	0.1
Allocation/Expenditure			
Academic Departments	161.9	161.9	0.0
Academic Institutions and Services	27.3	27.3	0.0
Staff and Student Services	1.9	1.9	0.0
Unified Administrative Service (UAS)	32.1	32.1	0.0
College Fee	41.6	41.6	0.0
Estates related expenditure	39.7	38.5	1.2
Other administered funds	62.2	62.2	0.0
TOTAL EXPENDITURE	366.7	365.5	1.2
Surplus/(Deficit)	(9.2)	(7.9)	1.3

TABLE 3: CONSOLIDATED OPERATING BUDGET FOR 2012–13

	Chest £m	Research Grants and Contracts* £m	Trust Funds £m	Other Non-chest £m	Total budget £m
Income					
Grants from the Funding Council	168.6			3.2	171.8
Teacher Development Agency	0.1				0.1
Academic Fees	129.2			15.4	144.6
Research Grants and Contracts	35.0	270.2			305.2
Endowment Income and Interest Receivable	21.3		35.1	2.3	58.7
Other Operating Income	8.5	1.7		70.4	80.6
Cambridge Assessment	0.0 **				0.0
Other Services Rendered	2.1			47.5	49.6
TOTAL INCOME	364.8	271.9	35.1	138.8	810.6
Allocation/Expenditure					
School of Arts and Humanities	20.9	4.2	4.7	3.6	33.4
School of the Humanities and Social Sciences	34.6	9.3	4.2	11.8	59.9
School of the Physical Sciences	37.9	58.9	5.7	10.9	113.4
School of Technology	27.3	34.7	4.3	41.4	107.7
School of the Biological Sciences	31.8	74.7	3.9	8.1	118.5
School of Clinical Medicine	16.0	89.4	2.2	26.1	133.7
Total Schools	168.5	271.2	25.0	101.9	566.6
Academic Institutions and Services	27.9	0.6	2.2	20.7	51.4
Staff and Student Services	2.0	0.2	0.0	2.6	4.8
UAS	32.0	0.0	0.3	13.1	45.4
Strategic Provisions	1.0				1.0
College Fee	43.6				43.6
Estates related expenditure	40.5				40.5
Other administered funds	56.1				56.1
TOTAL ALLOCATION/EXPENDITURE	371.6	272.0	27.5	138.3	809.4
Surplus/(Deficit)	(6.8)	(0.1)	7.6	0.5	1.2

Notes

*RG&C income in this Non-chest column represents Direct costs and the portion of Indirect costs recovered which accrue to Departments.

The portion of Indirect costs recovered which accrues to the Chest is shown in the Chest column (£35.0m).

RG&C expenditure in this Non-Chest column represents Direct costs and expenditure funded by the Departments' Indirect costs income.

** From 2012–13, the full transfers from Cambridge Assessment are forecast as income to the Capital Fund, not to the Chest.

TABLE 4: OPERATING BUDGET SUMMARY

Income	BUDGET 2012–13			PROJECTION 2013–14			PROJECTION 2014–15			PROJECTION 2015–16		
	Chest £m	Non- Chest £m	Total £m	Chest £m	Non- Chest £m	Total £m	Chest £m	Non- Chest £m	Total £m	Chest £m	Non- Chest £m	Total £m
Grants from the Funding Council	168.6	3.2	171.8	151.2	2.9	154.1	143.3	1.3	144.6	141.3	1.2	142.5
Teacher Development Agency	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Academic fees	129.2	15.4	144.6	150.8	16.2	167.0	174.4	16.9	191.3	183.3	17.2	200.5
Research grants and contracts	35.0	270.2	305.2	35.7	270.6	306.3	37.6	274.5	312.1	38.9	279.5	318.4
Endowment income and interest receivable	21.3	37.4	58.7	20.2	34.6	54.8	21.7	36.3	58.0	22.1	36.7	58.8
Other operating income	8.5	72.1	80.6	9.1	72.9	82.0	9.7	75.6	85.3	9.7	78.1	87.8
Cambridge Assessment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other services rendered	2.1	47.5	49.6	2.1	48.7	50.8	2.0	49.8	51.8	1.9	51.6	53.5
TOTAL INCOME	364.8	445.8	810.6	369.1	445.9	815.0	388.7	454.4	843.1	397.2	464.3	861.5
Allocation/Expenditure												
Schools	168.5	398.1	566.6	170.9	400.7	571.6	172.7	406.3	579.0	174.5	414.6	589.1
Academic institutions and services	27.9	23.5	51.4	28.4	23.8	52.2	28.9	24.2	53.1	29.2	24.5	53.7
Staff and student services	2.0	2.8	4.8	2.0	2.9	4.9	2.0	2.9	4.9	2.1	3.0	5.1
UAS	32.0	13.4	45.4	32.3	13.1	45.4	32.7	12.2	44.9	33.0	12.4	45.4
Strategic provisions	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0
Other administered funds	140.2	0.0	140.2	142.9	0.0	142.9	148.4	0.0	148.4	152.0	0.0	152.0
TOTAL EXPENDITURE	371.6	437.8	809.4	377.5	440.5	818.0	385.7	445.6	831.3	391.8	454.5	846.3
Surplus/(Deficit)	(6.8)	8.0	1.2	(8.4)	5.4	(3.0)	3.0	8.8	11.8	5.4	9.8	15.2

TABLE 5: PROJECTED INCOME AND EXPENDITURE ACCOUNT 2012–13

	Year ending 31 July 2013			<i>Income and Expenditure account</i>	
	Budget Table 3 £m	Adjustments £m	Income and Expenditure account £m	<i>2010–11 Latest forecast £m</i>	<i>2009–10 actual £m</i>
Income					
Grants from the Funding Council	171.8	14.9	186.7	196.8	200.8
Teacher Development Agency	0.1	0.0	0.1	2.8	2.7
Academic Fees	144.6	22.2	166.8	138.0	127.3
Research Grants and Contracts	305.2	(12.3)	292.9	292.6	283.7
Endowment Income and Interest Receivable	58.7	(2.9)	55.8	53.5	49.1
Other Operating Income and services rendered	130.2	(22.6)	107.6	102.7	113.8
Cambridge Assessment & CUP transfers	0.0	14.5	14.5	27.3	14.7
TOTAL INCOME	810.6	13.8	824.4	813.7	792.1
Expenditure					
<i>Staff costs</i>					
Research	138.3	(5.7)	132.6	129.2	127.1
Other	303.7	0.9	304.6	296.3	293.2
<i>Other operating expenses</i>					
Research	124.3	(20.5)	103.8	108.7	100.0
College Fee Transfer	43.6	0.0	43.6	41.6	40.8
Other	181.2	4.1	185.3	170.2	160.1
<i>Depreciation</i>					
Research	9.3	1.6	10.9	10.6	9.9
Other	9.0	35.9	44.9	43.4	44.5
Total expenditure on continuing operations	809.4	16.3	825.7	800.0	775.6
Surplus/Deficit on operations before transfers	1.2	(2.5)	(1.3)	13.7	16.5
Transfer from endowments		11.4	11.4	11.0	8.8
Surplus/(Deficit) retained in reserves	1.2	8.9	10.1	24.7	25.3

APPENDIX 1: STAFF FTE BY ORGANIZATION AND STAFF GROUPING: 2003–2012

	Academic									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Schools & Academic institutions	1,535	1,524	1,479	1,484	1,553	1,594	1,557	1,533	1,520	1,536
UAS & Vice-Chancellor's Office										
Academic Services	4	4	3	2	3	3	2	3	3	3
Museums & Galleries					2	2				
Staff & Student Services	1	1	1	1	1					
Development Office & Investment Office										
Total	1,540	1,529	1,483	1,487	1,559	1,599	1,559	1,535	1,523	1,539

	Academic-related (administrative)									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Schools & Academic institutions	143	166	175	172	206	208	249	265	288	313
UAS & Vice-Chancellor's Office	230	250	274	296	297	293	323	323	310	283
Academic Services	40	38	25	16	10	9	13	18	16	10
Museums & Galleries	9	13	13	13	17	17	20	20	20	22
Staff & Student Services	21	20	19	20	23	27	18	23	26	25
Development Office & Investment Office	26	24	32	35	31	33	37	41	39	43
Total	468	511	538	553	584	587	660	690	700	696

	Academic-related (computing)									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Schools & Academic institutions	189	210	213	219	222	224	222	226	231	225
UAS & Vice-Chancellor's Office	26	36	44	47	48	49	55	59	61	60
Academic Services	92	87	93	98	98	97	95	93	89	90
Museums & Galleries	2	1	2	2	2	2	3	3	3	3
Staff & Student Services	3	3	3	3	4	4	3	4	4	4
Development Office & Investment Office					2	2	2	1	2	3
Total	311	336	354	369	376	378	380	386	391	385

	Academic-related (other groups)									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Schools & Academic institutions	108	112	115	111	95	98	104	101	104	109
UAS & Vice-Chancellor's Office	14	13	13	13	14	13	15	14	13	15
Academic Services	66	65	67	67	71	72	75	69	71	74
Museums & Galleries	16	15	17	18	19	19	18	16	16	17
Staff & Student Services	11	13	16	14	20	18	18	15	14	15
Development Office & Investment Office										
Total	215	218	227	223	219	220	230	215	217	230

	Research									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Schools & Academic institutions	2,221	2,223	2,170	2,257	2,484	2,532	2,576	2,679	2,712	2,797
UAS & Vice-Chancellor's Office	2		1	1	1	1	7	6	7	5
Academic Services	20	24	23	31	30	32	34	34	32	32
Museums & Galleries	12	13	13	14	16	9	13	13	12	11
Staff & Student Services										
Development Office & Investment Office										
Total	2,255	2,259	2,206	2,302	2,531	2,574	2,630	2,733	2,763	2,845

	Assistant									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Schools & Academic institutions	1,894	1,915	1,833	1,773	1,806	1,832	1,875	1,908	1,920	1,902
UAS & Vice-Chancellor's Office	380	392	401	398	430	445	554	526	494	405
Academic Services	268	279	274	271	262	263	272	268	251	242
Museums & Galleries	69	62	76	78	83	82	85	89	87	82
Staff & Student Services	45	46	49	51	125	121	37	48	51	43
Development Office & Investment Office	12	15	18	15	18	19	20	31	34	32
Total	2,668	2,709	2,651	2,586	2,724	2,762	2,843	2,871	2,836	2,706

	All staff									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Schools & Academic institutions	6,090	6,150	5,985	6,016	6,366	6,488	6,583	6,713	6,775	6,882
UAS & Vice-Chancellor's Office	652	691	733	755	789	801	954	928	885	769
Academic Services	490	497	485	485	474	476	491	484	462	451
Museums & Galleries	108	104	121	125	139	131	139	141	138	135
Staff & Student Services	81	83	88	89	173	170	76	91	95	87
Development Office & Investment Office	38	39	50	50	50	54	59	74	76	78
Total	7,457	7,563	7,460	7,520	7,993	8,120	8,302	8,431	8,430	8,401

Notes:

All data as at 31 January. Because of rounding, totals may not always equal the sum of the parts.

Organization Group

Schools & Academic institutions	All Schools; ICE; CPSL; CRASSH; UAS staff in Schools; Centre for Entrepreneurial Learning (from 2007)
Academic Services	Libraries; UCS; CARET; Language Centre; Centre for Entrepreneurial Learning (until 2007); Cambridge-MIT
UAS	Excludes staff in Faculties, Departments, and School offices. Includes Vice-Chancellor's Office. Includes DRC from 2007; University Centre and University Farm from 2009
Museums & Galleries	Fitzwilliam; Kettles Yard; Hamilton Kerr
Development Office & Investment Office	Development Office & Investment Office
Staff & Student Services	Careers; Accommodation; PE; Telecommunications (until 2009); ADC; Graduate Union; Dental Service; DRC (until 2007); University Centre (until 2009); Counselling Service

Academic-related (other groups) includes: Librarians; Keepers; Technical Officers; Ceremonial posts; Language Teaching Officers; Counsellors; Therapists

APPENDIX 2: UNIVERSITY STUDENT STATISTICS (FULL-TIME FEE-PAYING STUDENTS)

Undergraduates	2002–03	2003–04	2004–05	2005–06	2006–07	2007–08	2008–09	2009–10	2010–11	2011–12
Home and EC										
Full-fee	10,827	10,752	10,729	10,471	10,420	10,315	10,415	10,538	10,518	10,506
Half-fee students	126	137	165	165	159	137	136	110	83	110
	10,953	10,889	10,894	10,636	10,579	10,452	10,551	10,648	10,601	10,616
Islands										
Full-fee	37	39	38	45	49	51	44	35	30	33
Half-fee students	–	–	–	–	–	–	1	–	1	–
	37	39	38	45	49	51	45	35	31	33
Overseas										
Full-fee	971	983	988	1,028	1,112	1,179	1,258	1,247	1,214	1,199
Half-fee students	1	1	2	–	2	1	1	8	3	–
	972	984	990	1,028	1,114	1,180	1,259	1,255	1,217	1,199
Total Undergraduates	11,962	11,912	11,922	11,709	11,742	11,683	11,855	11,938	11,849	11,848
Full-time Postgraduates										
Home and EC										
P.G.C.E.	624	708	672	621	503	477	438	431	429	412
M.B.A./M.Fin.	33	33	35	25	26	42	54	47	48	45
Other Postgraduates	2,659	2,638	2,790	3,223	3,302	3,038	2,883	2,971	3,223	3,295
	3,316	3,379	3,497	3,869	3,831	3,557	3,375	3,449	3,700	3,752
Islands										
P.G.C.E.	–	2	2	3	4	3	2	1	4	3
M.B.A./M.Fin.	–	–	–	–	–	–	–	–	–	–
Other Postgraduates	1	–	–	–	–	–	–	–	5	7
	1	2	2	3	4	3	2	1	9	10
Overseas										
P.G.C.E.	–	–	4	4	4	7	4	4	1	2
M.B.A./M.Fin.	91	76	69	80	78	102	119	142	153	148
Other Postgraduates	1,877	1,938	1,927	2,267	2,292	2,166	2,042	2,204	2,335	2,313
	1,968	2,014	2,000	2,351	2,374	2,275	2,165	2,350	2,489	2,463
Total Postgraduates	5,285	5,395	5,499	6,223	6,209	5,835	5,542	5,800	6,198	6,225
Total Home Student Numbers	14,269	14,268	14,391	14,505	14,410	14,009	13,926	14,097	14,301	14,368
Total Islands Student Numbers	38	41	40	48	53	54	47	36	40	43
Total Overseas Student Numbers	2,940	2,998	2,990	3,379	3,488	3,455	3,424	3,605	3,706	3,662
Total Student Numbers	17,247	17,307	17,421	17,932	17,951	17,518	17,397	17,738	18,047	18,073

Notes:**Data as at 1 December of each academic year**

1. This simple overview tabulation cannot be directly compared with any of the detailed tables in the annual Student Statistics publication, as there are differences of treatment for certain categories of student, particularly ERASMUS and other exchange students at undergraduate level.

2. Data for 2011–12 academic year are provisional only.

3. Students with a part-time mode of study are excluded from this appendix. These include part-time postgraduates (e.g. Ed.D., M.Ed., M.St., and executive M.B.A. students) and non-matriculated students (e.g. Faculty of Education INSET/PPD, ICE, and CPSL students).

4. Postgraduate students who have completed the minimum requirements of their course, i.e. who are writing up or under examination, are also excluded from this appendix. In 2005–06 and 2006–07 postgraduate students were recorded as full-time for the first 10 terms and as writing up from the 11th term onwards. In 2004–05 and 2007–08 students are classified as full-time for 9 terms and as writing up from the 10th term onwards. The effect of these changes in definitions is that the number of full-time postgraduate students is higher for 2005–06 and 2006–07 in comparison with 2004–05 and 2007–08.

5. Prior to 2010–11 direct entrants to the Certificate in Advanced Study in Mathematics (C.A.S.M.), an undergraduate-level qualification, were included in the undergraduate numbers. In 2010–11 C.A.S.M. was replaced with two new qualifications: the M.Math. qualification for students continuing from the B.A. course on an integrated master's

APPENDIX 4: Expenditure

In parallel with the new presentation of staff numbers, the Council agreed to show the changing patterns of total expenditure from both Chest and non-Chest sources in the form of the table below. This shows a fairly stable pattern of expenditure in academic institutions as a proportion of total expenditure.

Given the inclusion in the other institutions and activities line of *ad hoc* and project expenditure, a certain amount of variation from year to year would be expected. For that reason the breakdown between other institutions and other activities is given.

Expenditure (£m)	2005–06	2006–07	2007–08	2008–09	2009–10	2010–11
Schools & Other Academic Institutions	381.8	406.3	442.0	484.2	498.3	515.8
	69%	68%	67%	67%	68%	67%
Other Institutions	131.8	146.5	161.6	187.1	181.2	188.8
	24%	24%	25%	26%	25%	24%
Other Activities	41.4	45.4	53.0	55.7	56.9	70.9
	7%	8%	8%	8%	8%	9%
Total Expenditure	555.1	598.2	656.6	727.0	736.3	775.5

Notes:

Because the split of expenditure from certain funds is not confirmed until the end of the financial year, no projection is given for the current year.

‘Schools and other academic institutions’ figures include Centre for Business Research, Cambridge Programme for Sustainability Leadership, Centre for Islamic Studies, Institute of Continuing Education, plus UAS staff in Schools.

‘Other institutions’ includes energy costs, which explain the significant change in 2008–09.

‘Other activities’ represents College fees, plus University Farm, Cambridge–MIT Institute, and subsidiary companies. This category also includes total expenditure under the Voluntary Severance Scheme.

APPENDIX 5: HEFCE FUNDING FOR 2012–13**Summary**

This paper is an analysis of HEFCE provisional funding for 2012–13 following the HEFCE Board meeting on 8 March, announced in the letter of 19 March 2012 to the Vice-Chancellor and in the tables summarizing the allocations to all HE institutions. No further adjustments to 2011–12 grant were announced.

1. The announcement introduces changes announced in the White Paper, in the Secretary of State's letter of 25 January 2012 to HEFCE (<http://www.hefce.ac.uk/news/newsarchive/2012/name,69495,en.html>), by HEFCE after the Board meeting on 27 January (<http://www.hefce.ac.uk/pubs/year/2012/cl032012/>), and in a circular dealing with the outcome of the consultation on teaching funding and student number controls (<http://www.hefce.ac.uk/pubs/year/2011/cl262011/>).

2. Cambridge's reduction in recurrent grant is 4.1% in line with expectations, compared with the Sector averaged decrease of 18.75%. The summary table with sector comparisons is at Annex A.

Main changes

3. HEFCE is managing the reduction in funding for teaching (as institutional income from new fees is set to increase) by calculating one component for students admitted before 2012 based on rates derived from 2011–12 grant, and a second for those admitted in 2012 concentrating on higher cost subjects. There is a new student number control and additional funding for postgraduate taught students. Rates of funding for research degree programme students have increased, funded by a redistribution of funding from QR consequent on activity rated at 2* no longer being funded.

HEFCE funding for the sector

4. The Secretary of State's priorities for HEFCE listed in his 25 January letter cover:

- Teaching funding and the support of higher cost and vulnerable subjects;
- Widening participation;
- Knowledge exchange activities and engagement with business and the community;
- Concerns that the average length of undergraduate or post-graduate taught courses should not increase;
- Selective funding for research;
- Support for postgraduate provision;
- Efficiency, value for money, and pay restraint;
- Efficiency savings and reinvestment in QR;
- Student number controls and the consequences of exceeding them.

5. The overall grant settlement by financial year is summarized in HEFCE circular 03/2012 as follows:

HEFCE grant for financial years 2011–12 to 2013–14 (millions)	Final funding 2011–12 (£m)	Announced funding 2012–13 (£m)	Indicative funding 2013–14 (£m)
Recurrent teaching	4,645	3,815	2,883
Recurrent research	1,549	1,587	1,573
Total recurrent	6,194	5,402	4,456
Teaching capital	95	90	59
Research capital	204	175	101
Total capital	299	265	160
HEIF	113	113	113
Total HEFCE funding	6,606	5,780	4,729
Additional ring-fenced allocations	103	80	100
BIS loans for graduate	2,600	3,600	5,000
Total government funding for Higher Education	9,309	9,460	9,829

6. Reference should be made to the HEFCE announcement at <http://www.hefce.ac.uk/pubs/year/2012/201208/#d.en.69631> for further details, including the grant and student number controls for other HEFCE funded institutions.

7. The grant announcement has two reservations:

- (1) Allocations are provisional. Grant is based on forecast student numbers and will be revised in March 2013 using revised forecasts in the 2012 HESES return and then finalized after the July 2013 HESA return. Funding is provisional until the BIS grant settlement is final for the whole of the 2012–13 academic year and rates of funding may change.
- (2) The new Student Number Control limits the 2012 intake of students with qualifications less than AAB and certain equivalents. Cambridge has a sufficient margin in the main control number but the separate control for medical intakes is strengthened. Funding may be withdrawn if institutions exceed their entry limit.

8. HEFCE will continue to audit the data that informs the allocation of funds; they reserve the right to review funding allocations for the most recent seven year period.

9. HEFCE funding is only one element of Chest funding. A more complete projection of income and costs is produced annually for the Budget Report. If forecasts of income used to set the budget are significantly different from announced or final funding then Allocations may need to be adjusted even at a very late stage. Although grant is not yet confirmed for 2012–13 the risk of needing to adjust Allocations seems low.

Outcome for Cambridge

10. HEFCE's summary in Annex A shows that Cambridge receives a decrease of 4.10% in recurrent funding for 2012–13, compared with a sector average decrease of 18.75%, the difference being explained by the Sector T:R pre-reduction ratio of 3:1, compared to Cambridge's of 1:2.

11. Annex B is more detailed view comparing final 2011–12 and provisional 2012–13 grant.

12. A full explanation of the new funding methods is given in the grant letter and supporting documents.

HEFCE Funding for Teaching

13. HEFCE consulted during 2012 on the method for allocating teaching funding and on student number controls to which the University responded. HEFCE have now consulted on further changes for 2013–14 and beyond (<http://www.hefce.ac.uk/pubs/year/2012/201204/>).

14. Two models of funding have replaced the single model; there is no contract range because the new student number control has replaced it.

Mainstream Teaching Funding

15. "Old Regime" UG students admitted before 2012 are funded at rates derived from the 2011–12 teaching funding model – essentially the allocation of mainstream teaching funding divided by funded student numbers in each Price Group. Cambridge's higher position in the contract range means that the rates of funding are some 5% above the reduced average. The funding rates are provisional until BIS has confirmed HEFCE grant for the whole academic year.

16. Funding for New Regime UG students is also based on the 2011–12 funding rates less a reduction equivalent to the 2011–12 funding rate for price group C. The effect is that the funding rate for Price Groups C and D is zero, and the rates in Price Groups A and B are considerably reduced.

17. Postgraduate taught students starting in 2012 (the majority) will be funded at the new regime undergraduate rates plus £1,100 as an interim measure recognizing the limited scope for institutions to increase tuition fees.

18. Consultation paper 2012/04 proposes dividing Price Group C into Groups C1 and C2 with a limited rate of funding for subject in C1. Further revision of the funding and Price Group structure and weightings may follow when the number of Old Regime students in the system is considerably reduced.

Contract Range and Student Numbers

19. The contract range is no longer relevant in a funding method for teaching that uses unit rates. There are continuing controls on the student entry with a warning that if the sector over-recruits HEFCE funding may be withdrawn in order to fund an increased loan commitment, and that reduction would be passed to institutions.

20. The HEFCE student number control introduced for the 2010 entry and used again for 2011 limited the intake of new fundable students to no more than the 2008 entry—Cambridge had no spare capacity and did not compete for additional funded numbers. The new 2012 entry control applies only to students with qualifications below AAB or approved equivalents. If based on actual entry this would be a very low number for Cambridge giving very limited flexibility to admit additional highly qualified students for whom no AAB equivalent has been provided or for sub-AAB "access" admissions. HEFCE accepted those arguments and has set the control number with a sufficient margin. There remains the prospect of penalties in the very unlikely event it is exceeded but it seems likely that in order to retain the margin it will not be reduced if not fully used. The control over the total medical entry remains.

Targeted Allocations

21. The last weightings were eliminated from the Standard Resource calculation in 2008–09 and converted to Targeted Allocations. The Historic Buildings targeted allocation was discontinued in 2010–11. The institution specific funding continues for 2012–13 but Circular 2012/04 is consulting on the terms of a review. Otherwise, the list of Targeted Allocations is unchanged from 2011–12 but as can be seen from Annex B funding has reduced, sharply in some cases. Some reductions (such as the reduction in ELQ transitional funding) were expected.

22. Funding for very high cost and vulnerable science subjects ("SIVS") continues for 2012–13, although originally only set aside by HEFCE for the three years 2007–08 to 2009–10, and is intended to support chemistry; physics; chemical engineering; and mineral, metallurgy, and materials engineering to help maintain capacity in these subjects while demand from students grows. HEFCE is consulting on the future funding SIVS.

23. Former special funding for minority subjects was included in the mainstream teaching grant from 2005–06, and is subject to the condition that one year's notice must be given if there is an intention to close any subject for which this funding was provided. If so, funding may be reclaimed by HEFCE. The scope of the requirement to give notice was subsequently extended to SIVS generally.

Other Targeted Allocations

24. The various Targeted Allocations for widening participation and those to support certain costs in Clinical Schools continue at reduced rates.

HEFCE Funding for Research*Mainstream Funding*

25. The ring-fenced settlement for science and research means that HEFCE are able to maintain overall funding at the 2011–12 level in cash terms until 2014–15.

26. Until the outcome of the REF is available, QR will continue to be calculated using measures of volume of research activity in each Unit of Assessment (UOA) weighted by quality derived from the 2008 RAE. The change for 2012–13 is that activity assessed at 2* is no longer fundable and £35m has been released from the total pot to add to funding for students on research degree programmes.

27. HEFCE's funding method for mainstream QR allocates pots to each UOA in proportion to volume above 2* (2*, 1* and unclassified volume is unfunded). Those pots are then divided by weighted volume. The 4* and 3* weightings remain 3;1 for 2012–13. Volume is the FTE category A staff submitted in the RAE (including College employed staff) attributed by the percentages in the quality profile. The effect is to increase selectivity but the reduced pot of mainstream QR leads to a sector average reduction (see Annex A) of 3.2%; Cambridge's is less at minus 1.0%.

Charity Support Funding

28. Charity Support Funding is calculated in proportion to the average of eligible home and overseas charity income reported in 2009–10 and 2010–11. The derived rate at which 2012–13 funding is allocated is 25% of the reported average, a further decline in the multiplier since 2011–12 (and which had been 28.2% in 2009–10). The allocation of funding is cash level from 2011–12 and so the change in rate is the result of higher sector volume; Cambridge volume has increased leading to a 7% increase in funding. 6% of the University's allocation is passed direct to departments.

29. Funding is now calculated on income reported in the HESA Finance Return, which reports by Cost Centre not UOA; 2012–13 cannot therefore be directly compared with 2011–12.

Business Research Funding

30. The Business Research element of funding is calculated on the average of funding reported for 2008–09 and 2009–10 in the HESA Finance Return. The sector allocation of funding has increased by 1.37% but the Cambridge allocation has fallen, indicating reduced income in the two reported years. The rate of funding has not yet been calculated.

Other Research Funding

31. Research Degree Programme (RDP) supervision funding is calculated on cost weighted Home/EU RDP student load in years 1–3 full time (1–6 part time) which in 2012–13 takes account of the quality score in each UOA. As a result of this change and the transfer of £35m QR to the RDP pot the unit of funding per FTE in UOAs cost weighted at 1.0 has increased from £3,447 in 2011–12 to £4,482, exceeding the 2008–09 value of £4,294 and leading to an overall increase in funding of 17%.

Other Funding

32. Funding for National Research Libraries, the Museums and HEIF 5 has the same cash value as in 2011–12.

Capital Funding

33. HEFCE Circular 2011/08 set out capital allocations for learning and teaching for 2012–13 and the total for research for 2011–12 to 2014–15; funding in and after 2012–13 was indicative; TCIF for 2012–13 was confirmed in circular letter 2005/12.

	2012–13	2013–14	2014–15
RCIF (indicative)	11,370,250	11,370,250	11,370,250
TCIF	664,970	?	?

Teacher Development Agency Funding for Teacher Training

34. Mainstream TDA funding has been discontinued for 2012–13 following the introduction of the £9,000 fee.

ANNEX A:
Recurrent grant comparison for 2011–12 and 2012–13

Institution: University of Cambridge
Code: H-0114
UKPRN: 10007788

Funding stream	2011–12 comparison figures £s	2012–13 allocation £s	Difference £s	Percentage difference	Sector percentage difference	Contribution to overall percentage change for institution	Contribution to overall percentage change for sector
Teaching grant							
Funding for old-regime students (mainstream)	49,092,593	36,668,136	-12,424,457	-25.31%	-33.99%	-7.04%	-20.32%
Funding for old-regime students (co-funded)	67,052	33,794	-33,258	-49.60%	-55.50%	-0.02%	-0.30%
High cost funding for new-regime students	N/A	2,671,538	2,671,538	N/A	N/A	1.51%	2.40%
Widening participation	329,832	298,718	-31,114	-9.43%	-0.81%	-0.02%	-0.02%
Teaching enhancement and student success	403,976	222,470	-181,506	-44.93%	-7.94%	-0.10%	-0.35%
Other targeted allocations	4,714,285	4,592,703	-121,582	-2.58%	14.02%	-0.07%	0.49%
Other recurrent teaching grants	1,413,772	1,312,793	-100,979	-7.14%	-24.72%	-0.06%	-0.19%
Total teaching grant	56,021,510	45,800,152	-10,221,358	-18.25%	-25.63%	-5.79%	-18.28%
Research grant							
Mainstream QR	78,298,683	77,512,644	-786,039	-1.00%	-3.22%	-0.45%	-0.58%
QR charity support fund	19,435,274	20,834,819	1,399,545	7.20%	0.00%	0.79%	0.00%
QR business research element	4,722,400	4,550,254	-172,146	-3.65%	1.37%	-0.10%	0.01%
RDP supervision funds	12,958,752	15,512,450	2,553,698	19.71%	17.06%	1.45%	0.58%
QR funding for National Research Libraries	2,129,914	2,129,914	0	0.00%	0.00%	0.00%	0.00%
Total research grant	117,545,023	120,540,081	2995,058	2.55%	0.06%	1.70%	0.01%
Higher Education Innovation Funding	2,850,000	2,850,000	0	0.00%	0.00%	0.00%	0.00%
Moderation of teaching and research	0	N/A	0	N/A	N/A	0.00%	N/A
TOTAL RECURRENT GRANT	176,416,533	169,190,233	-7,226,300	-4.10%	-18.75%	-4.10%	-18.75%

**Annex B: HEFCE 2012–13 Recurrent Funding for Cambridge:
2012–13 compared with 2011–12
March 2012 grant letter**

HEFCE T	2011–12 as at March 2012 (£) <i>Note 1</i>	2012–13 as at March 2012 (£) <i>Note 2</i>	Change
TEACHING FUNDING			
Teaching Funding – Core Funds			
Baseline ‘T’ Grant (mainstream teaching grant in previous year)	53,558,547		
Funding for old regime students		36,668,136	<i>Note 3</i>
High cost funding for new regime students		2,671,538	<i>Note 4</i>
June 2010 pro-rata saving	(583,081)		
February 2011 consolidated reduction	(1,483,369)		<i>Note 4</i>
ERASMUS/SOCRATES fee compensation	(204,390)		<i>Note 5</i>
Adjusted Mainstream Teaching Grant	51,287,707	39,339,674	
ERASMUS/SOCRATES fee compensation	245,280	227,700	<i>Note 5</i>
Uplift to (reduction in) mainstream grant	(2,195,114)		
Interim postgraduate taught allocation		237,446	<i>Note 6</i>
MAINSTREAM TEACHING GRANT	49,337,873	39,804,820	–19%
Targeted allocations			
<i>Widening participation</i>			
Widening participation from disadvantaged backgrounds – full time UG	264,687	239,970	
Widening participation from disadvantaged backgrounds – part time UG	5,968	3,094	
Widening access for students with disabilities	59,177	55,654	
Total widening participation	3269,832	298,718	–9%
<i>Teaching enhancement and student success</i>			
Improving retention: full time UG	60,649	51,344	
Improving retention: part time	9,265	5,765	
Research informed teaching	0	0	
Institutional learning and teaching strategies	334,062	165,361	
Total teaching enhancement and student success	403,976	222,470	–45%
<i>Other targeted allocations</i>			
Targeted Allocation for part-time undergraduates	12,056	6,310	
Targeted Allocation for Foundation degrees	0	0	
Targeted Allocation for accelerated/intensive provision	52,670	68,902	
Institution-specific Targeted Allocation	2,757,630	2,730,054	<i>Note 7</i>
Maintaining capacity in SIVS following ELQ policy	622,003	307,891	
Additional funding for very high cost and vulnerable science subjects	1,024,646	1,014,400	
Sub-total	4,469,005	4,127,557	–8%
Total targeted allocations	5,202,813	4,648,745	–11%
<i>Other recurrent teaching grants</i>			
Clinical consultants’ pay	558,673	553,086	
Senior academic GPs’ pay	15,186	15,034	
NHS pension schemes compensation	75,224	74,472	
Transitional Funding for ELQs	764,689	670,201	<i>Note 8</i>
Other recurrent teaching grants	1,413,772	1,312,793	7%
Non-mainstream student numbers	71,526	33,794	<i>Note 9</i>
2011–12 holdback February 2012	(4,474)		
Sub-total Targeted Allocations and other adjustments	6,683,637	5,995,332	–10%
TOTAL TEACHING FUNDING	56,021,510	45,800,152	–18%

Notes:

1. This column is 2011–12 grants first announced in March 2011, and subsequently revised.
2. This column is provisional.
3. Old regime students are funded at rates derived from the 2011–12 grant calculations.
4. New regime students are funded in Price Group A and B only: HEFCE are consulting on the method in 2013 onwards.
5. ERASMUS fee compensation is awarded for outgoing students who under the terms of the ERASMUS scheme cannot be charged a fee. (Before 12–13 the previous year's addition was deducted from the baseline to ensure that the percentage funding adjustment was not applied to a total which included it.)
6. Additional funding at the rate of £1,100 per FTE in Price Groups A–C.
7. The former small and specialist institutions premium, HEFCE have announced a review of this targeted allocator.
8. Transitional funding will cease in 2013–14.
9. For certain B.Th. and B.A. Theology Students, in partnership with the Cambridge Theological Federation, 2011–12 grant was reduced because of under-recruitment against target. 2012–13 is last year of funding.

HEFCE R	2011–12 as at March 2012 £	2012–13 as at March 2012 £	Difference
RESEARCH FUNDING			
Mainstream QR	78,298,683	77,512,644	
Mainstream QR	78,298,683	77,512,644	–1%
Charity support funding	19,435,274	20,834,819	
Business research funding	4,722,400	4,550,254	
Sub-total	24,157,674	25,385,073	5%
Research Degree Programme (RDP) Supervision Funds	12,958,752	15,512,450	
Mainstream funding	115,415,109	118,410,167	3%
QR funding for National Research Libraries	2,129,914	2,129,914	
TOTAL RESEARCH FUNDING	117,545,023	120,540,081	3%
TOTAL FUNDING FOR TEACHING AND RESEARCH	173,566,533	166,340,233	–4%
SPECIAL FUNDING			
Museums and galleries	1,956,000	1,956,000	
TOTAL SPECIAL FUNDING	1,956,000	1,956,000	
TOTAL HEFCE FUNDING TO THE UNIVERSITY	175,522,533	168,296,233	–4%
HEIF	2,850,000	2,850,000	
Institute of Zoology	2,218,963	0	<i>Note 10</i>

Notes:

10. From 1 January 2001 the funding for the Institute of Zoology was channelled through the University; the arrangement ceased on 31 July 2011.

List of abbreviations

ADC	Amateur Dramatic Club	OFFA	Office for Fair Access
ASNs	Additional Student Numbers	OJEU	Official Journal of the European Union
BIS	Department of Business, Innovations and Skills	ORSAS	Overseas Research Students Awards Scheme
CARET	Centre for Applied Research in Educational Technologies	PE	Physical Education
CIF	Capital Infrastructure Funds	PRC	Planning and Resources Committee
CPS	Cambridge University Assistants Contributory Pension Scheme	PGR	Postgraduate research students
CPSL	Cambridge Programme for Sustainability Leadership	QR	Quality-related research
CRASSH	Centre for Research in the Arts, Social Sciences, and Humanities	RAE	Research Assessment Exercise
CUEF	Cambridge University Endowment Fund	RAM	Resource Allocation Model
CUP	Cambridge University Press	RCUK	Research Councils UK
DRC	Disability Resource Centre	RDM	RAM Distribution Model
ELQ	Equivalent or Lower Qualification	RDP	Research Degree Programme
EU	European Union	RG&C	Research Grants and Contracts
FTE	Full-time equivalent	RMC	Resource Management Committee
HE	Higher Education	RPC	Research Policy Committee
HE-BCI	Higher Education Business and Community Interaction	SAH	School of Arts and Humanities
HEFCE	Higher Education Funding Council for England	SHSS	School of the Humanities and Social Sciences
HEIF	Higher Education Innovation Fund	SBS	School of the Biological Sciences
HESA	Higher Education Statistics Agency	SCM	School of Clinical Medicine
HESES	Higher Education Students Early Statistics	SIVS	Strategically Important and Vulnerable Subjects
ICE	Institute of Continuing Education	SPS	School of the Physical Sciences
INSET	In-service Education and Training	ST	School of Technology
MISD	Management Information Services Division	T:R	Teaching/Research ratio
MIT	Massachusetts Institute of Technology	TDA	Training and Development Agency
NUS	National University of Singapore	TRAC (T)	Transparent Approach to Costing Teaching
		UAS	Unified Administrative Service
		UCS	University Computing Service
		UOA	Unit of Assessment
		USS	Universities Superannuation Scheme
		VCO	Vice-Chancellor's Office
		VSS	Voluntary Severance Scheme

Report of the General Board on Senior Academic Promotions

The GENERAL BOARD beg leave to report to the University as follows:

1. The senior academic promotions exercise in respect of promotions to take effect from 1 October 2012 has been completed. The General Board, at their meeting on 23 May 2012, considered recommendations from the Main Senior Academic Promotions Committee in respect of promotion to personal Professorships, Readerships, and Senior Lectureships. With the recommendations, the Board received an extensive report, which provided the Board with an account of the procedure followed for the evaluation and comparison of the evidence for all applicants. The Board were able to see how recommendations had been arrived at so that, without repeating the entire exercise, they could either approve the recommendations or, if they so wished, consider the basis on which any of the recommendations had been made.

2. The contents of the report were as follows:

- Minutes of the Main Committee and Sub-Committees
- Summary lists of Faculty Promotions Committee and Sub-Committee evaluations indicating adjustments in evaluations and special and non-standard aspects of applications
- Summary tables giving names of applicants in priority order by Sub-Committee for each of the senior academic offices
- Funding and statistical information
- Equal opportunity report on all applications received
- Feedback Statements

3. The Board now recommend the establishment of thirty-one Professorships from 1 October 2012 as set out in Recommendation I. The establishment of these Professorships is proposed on condition that in each case where the person currently holds a permanently established office, that office should be placed in abeyance during the tenure of the Professorship.

4. The Board also propose the establishment of forty Readerships from 1 October 2012, as set out in Recommendation II. The establishment of these Readerships is proposed on condition that in each case where the person currently holds a permanently established office, that office should be placed in abeyance during the tenure of the Readership.

5. In order to avoid delay in publishing the Report, the Board have put forward their recommendations before the titles of the Professorships and Readerships have been agreed. The Board will announce these titles at a later date, after consultation with the individuals concerned.

6. The Board have also agreed, in accordance with Statute D, XVIII, 3 and the special regulation for University Senior Lectureships (*Statutes and Ordinances*, p. 716), to appoint the twenty-eight individuals listed in the Schedule to this Report to University Senior Lectureships, or an unestablished appointment at the same level.

7. The estimated total additional cost to central funds in the first year of the proposals for promotion to personal Professorships and Readerships and of the appointments to University Senior Lectureships of the persons named in this Report will be approximately £611,913.

8. The General Board recommend:

I. That, **with effect from 1 October 2012**, Professorships be established for the following named persons for one tenure, placed in Schedule B of the Statutes, and assigned to the Faculty, Department, or Institution named in each case, as follows:

School of Arts and Humanities

One in the Department of Architecture for Dr FRANÇOIS ANDRE PENZ of Darwin College
 One in the Department of Anglo-Saxon, Norse, and Celtic for Dr PAUL RUSSELL of Pembroke College
 One in the Department of French for Dr WILLIAM BURGWINKLE of King's College
 One in the Department of German and Dutch for Dr CHRISTOPHER JOHN YOUNG of Pembroke College
 One in the Department of Slavonic Studies for Dr ALEXANDER ETKIND of King's College
 One in the Faculty of Philosophy for Dr ALEXANDER DUNCAN OLIVER of Gonville and Caius College

School of the Biological Sciences

One in the Department of Biochemistry for Dr GUY CHARLES BROWN of Downing College
 One in the Department of Biochemistry for Dr KATHRYN SUSAN LILLEY of Jesus College
 One in the Department of Biochemistry for Dr SARAH CATHERINE RUTH LUMMIS of King's College

School of Clinical Medicine

One in the Department of Clinical Biochemistry for Dr FIONA MARY GRIBBLE of Churchill College
 One in the Department of Clinical Neurosciences for Dr STEPHEN JAMES SAWCER of Jesus College
 One in the Department of Obstetrics and Gynaecology for Dr DAVID STEPHEN CHARNOCK-JONES of Corpus Christi College
 One in the Department of Oncology for Dr NEIL GUNN BURNET of Clare College
 One in the Department of Public Health and Primary Care for Dr PAUL DAVID PETER PHAROAH of Gonville and Caius College

School of the Humanities and Social Sciences

One in the Department of Archaeology and Anthropology for Dr CHARLES ANDREW IVEY FRENCH
 One in the Department of Social Sciences for Dr CLAIRE HELENE HUGHES of Newnham College
 One in the Department of Social Sciences for Dr LAWRENCE PETER KING of Emmanuel College
 One in the Department of Land Economy for Dr JOHN STUART LANDRETH MCCOMBIE of Downing College
 One in the Department of Land Economy for Dr PAUL GERARD MCHUGH of Sidney Sussex College

School of the Physical Sciences

One in the Department of Geography for Dr CLIVE MATTHEW MARTIN OPPENHEIMER of Sidney Sussex College
 One in the Department of Geography for Dr SARAH ANNE RADCLIFFE of Christ's College
 One in the Department of Pure Mathematics and Mathematical Statistics for Dr IVAN SMITH of Gonville and Caius College
 One in the Institute of Astronomy for Dr RICHARD GERARD MCMAHON of Clare Hall
 One in the Department of Chemistry for Dr JASON WILLIAM KARL CHIN of Trinity College
 One in the Department of Chemistry for Dr MATTHEW JAMES GAUNT of Magdalene College
 One in the Department of Materials Science and Metallurgy for Dr BARTLOMIEJ ANDRZEJ GLOWACKI of Darwin College

School of Technology

One in Judge Business School for Dr JOCHEN HEIKO RUNDE of Girton College
 One in the Computer Laboratory for Dr PETER MICHAEL SEWELL of Wolfson College
 One in the Department of Engineering for Dr MARK JOHN FRANCIS GALES of Emmanuel College
 One in the Department of Engineering for Dr WILLIAM O'NEILL of Downing College
 One in the Department of Chemical Engineering and Biotechnology for Dr JOHN STEPHEN DENNIS of Selwyn College

II. That, **with effect from 1 October 2012**, Readerships be established, as follows, and that the General Board be authorized to appoint to each Readership the person for whom its establishment is proposed:

School of Arts and Humanities

One in the Department of East Asian Studies for Dr JOSEPH PETER MCDERMOTT of St John's College
 One in the Department of Middle Eastern Studies for Dr KATHERINE NICOLE BENNISON of Magdalene College

One in the Faculty of Classics for Dr JAMES PETER TIMOTHY CLACKSON of Jesus College
 One in the Faculty of Classics for Dr JAMES IAN WARREN of Corpus Christi College
 One in the Department of Anglo-Saxon, Norse, and Celtic for Dr ROSALIND CLAIRE LOVE of Robinson College
 One in the Department of German and Dutch for Dr MICHAEL ROBERT MINDEN of Jesus College
 One in the Faculty of Philosophy for Dr FRASER LEPAGE MACBRIDE of Trinity Hall

School of the Biological Sciences

One in the Department of Biochemistry for Dr DANIEL NIETLISPACH
 One in the Department of Experimental Psychology for Dr LISA MARIE SAKSIDA of Newnham College
 One in the Department of Genetics for Dr FRANCIS MICHAEL JIGGINS of Emmanuel College
 One in the Department of Physiology, Development, and Neuroscience for Dr PAUL NICHOLAS SCHOFIELD of Robinson College
 One in the Department of Plant Sciences for Dr JULIAN MICHAEL HIBBERD of Emmanuel College

School of Clinical Medicine

One in the Department of Surgery for Dr LUDOVIC VALLIER

School of the Humanities and Social Sciences

One in the Department of Education for Dr PAMELA ANNE BURNARD of Homerton College
 One in the Department of Education for Dr MICHAEL JOHN EVANS of Clare Hall
 One in the Department of Education for Dr KEITH STEPHEN TABER of Homerton College
 One in the Faculty of History for Dr ANNABEL SARAH BRETT of Gonville and Caius College
 One in the Faculty of History for Dr JAMES CRAIG MULDREW of Queens' College
 One in the Department of Politics and International Studies for Dr HELEN ELIZABETH THOMPSON of Clare College
 One in the Department of Social Sciences for Dr DARIN THOMPSON WEINBERG of King's College
 One in the Faculty of Law for Dr MARK CHRISTOPHER ELLIOTT of St Catharine's College
 One in the Faculty of Law for Mrs NICOLA MARGARET PADFIELD of Fitzwilliam College

School of the Physical Sciences

One in the Department of Earth Sciences for Dr RICHARD JOHN HARRISON of St Catharine's College
 One in the Department of Geography for Dr ANDREW DAVID FRIEND of Clare College
 One in the Department of Applied Mathematics and Theoretical Physics for Dr STUART BRUCE DALZIEL of Sidney Sussex College
 One in the Department of Pure Mathematics and Mathematical Statistics for Dr NATHANAEL EDOUARD BERESTYCKI of King's College
 One in the Department of Pure Mathematics and Mathematical Statistics for Dr RICHARD NICKL of Queens' College
 One in the Department of Chemistry for Dr MARKUS KALBERER of Darwin College
 One in the Department of Chemistry for Dr OREN ALEXANDER SCHERMAN of Jesus College
 One in the Department of Materials Science and Metallurgy for Dr JAMES ARTHUR ELLIOTT of Fitzwilliam College
 One in the Department of Physics for Dr ERIKA EISER of Sidney Sussex College
 One in the Department of Physics for Dr ZORAN HADZIBABIC of Trinity College

School of Technology

One in Judge Business School for Dr SHAHZAD MUMTAZ ANSARI
 One in the Computer Laboratory for Dr STEPHEN CHRISTOPHER CLARK of Gonville and Caius College
 One in the Computer Laboratory for Dr TIMOTHY GEORGE GRIFFIN of King's College
 One in the Department of Engineering for Dr JORGE GONCALVES of Pembroke College
 One in the Department of Engineering for Dr STEPHAN HOFMANN of Peterhouse
 One in the Department of Engineering for Dr MATTHEW PUDAN JUNIPER of Trinity College
 One in the Department of Engineering for Dr MATE LENGYEL
 One in the Department of Engineering for Dr GARTH NATHAN WELLS of Jesus College

23 May 2012 L. K. BORYSIEWICZ, *Vice-Chancellor*
 N. BAMPOS
 WILLIAM BROWN
 H. A. CHASE
 SARAH COAKLEY

SIMON FRANKLIN
 ANDREW GAMBLE
 C. A. GILLIGAN
 DAVID GOOD

R. KENNICUTT
 RACHAEL PADMAN
 J. RALLISON
 PATRICK SISSONS

SCHEDULE

The General Board have agreed to appoint the following to University Senior Lectureships, **with effect from 1 October 2012**, to the retiring age. The asterisked appointment is to an unestablished Senior Lectureship from 1 October 2012, the period of appointment being coterminous with the end of the current appointment.

School of Arts and Humanities

Department of Architecture	Mr MICHAEL HECTOR RAMAGE of Sidney Sussex College
Department of Architecture	MARY ANN STEANE of Murray Edwards College
Department of History of Art	Dr FRANK EDWIN SALMON of St John's College
Department of Middle Eastern Studies	Dr CHRISTINE VAN RUYMBEKE
Faculty of Classics	Dr LUCIA PRAUSCELLO of Trinity Hall
Faculty of English	Dr ALEX HOUEN of Pembroke College
Faculty of English	Dr SUBHA MUKHERJI of Downing College
Department of Theoretical and Applied Linguistics	Dr NAPOLEON KATSOS of Darwin College

School of the Biological Sciences

Department of Experimental Psychology	Dr MICHAEL RICHARD FRASER AITKEN of Selwyn College
Department of Experimental Psychology	Dr LUKE CLARK of Trinity Hall
Department of Experimental Psychology	Dr JONATHAN SAM SIMONS of Emmanuel College
Department of Pathology	Dr ADRIAN PAUL KELLY
Department of Pathology	Dr HEIKE LAMAN
Department of Physiology, Development, and Neuroscience	Dr JOAN TERESA TIFFERT* of Robinson College

School of Clinical Medicine

Department of Medicine	Dr MARK GURNELL
Department of Obstetrics and Gynaecology	Dr JOSE MIGUEL ALVAO SERRA MEDEIROS CONSTANCIA

School of the Humanities and Social Sciences

Department of Education	Dr NIDHI SINGAL of Hughes Hall
Department of Education	Mrs ELIZABETH JANE TAYLOR of Newnham College
Faculty of History	Dr LEIGH MATTHEW WILLIAM SHAW-TAYLOR of Jesus College
Department of Social Sciences	Dr SIMONE SCHNALL
Department of Land Economy	Dr ELISABETE MANUELA ALVES SILVA of Robinson College

School of the Physical Sciences

Department of Geography	Dr POUL CHRISTOFFERSEN of Murray Edwards College
Department of Geography	Dr DAVID PATRICK NALLY of Fitzwilliam College

School of Technology

Judge Business School	Dr MARK PETER ANTHONY THOMPSON of Trinity Hall
Department of Engineering	Dr CESARE ALAN HALL of King's College
Department of Engineering	Dr SUMEETPAL SIDHU SINGH of Churchill College

Non-School Institutions

Institute of Continuing Education	Dr GILLIAN CLARE CARR of St Catharine's College
Institute of Continuing Education	Dr SAMANTHA KATHERINE WILLIAMS of Girton College

STATISTICAL SUMMARY

Attached as Annex A to this Report is a statistical summary by Sub-Committee of the number of successful and unsuccessful applications for promotions by Professorships, Readerships, and Senior Lectureships.

SENIOR ACADEMIC PROMOTIONS 2011 – ANNEX A*Statistical Summary of Outcomes by Sub-Committee****Professorships***

Sub-Committee	Successful	Unsuccessful	Total
Arts and Humanities	6 (6 M 0 F)	5 (5 M 0 F)	11 (11 M 0 F)
Biological and Medical Sciences	8 (5 M 3 F)	5 (5 M 0 F)	13 (10 M 3 F)
Humanities and Social Sciences	6 (4 M 2 F)	2 (2 M 0 F)	8 (6 M 2 F)
Physical Sciences	6 (6 M 0 F)	3 (3 M 0 F)	9 (9 M 0 F)
Technology	5 (5 M 0 F)	4 (4 M 0 F)	9 (9 M 0 F)
TOTAL	31 (26 M 5 F)	20 (20 M 0 F)	51 (46 M 5 F)

Readerships

Sub-Committee	Successful	Unsuccessful	Total
Arts and Humanities	7 (5 M 2 F)	3 (2 M 1 F)	10 (7 M 3 F)
Biological and Medical Sciences	6 (5 M 1 F)	8 (5 M 3 F)	14 (10 M 4 F)
Humanities and Social Sciences	9 (5 M 4 F)	7 (5 M 2 F)	16 (10 M 6 F)
Physical Sciences	10 (9 M 1 F)	3 (3 M 0 F)	13 (12 M 1 F)
Technology	8 (8 M 0 F)	6 (6 M 0 F)	14 (14 M 0 F)
TOTAL	40 (32 M 8 F)	27 (21 6 F)	67 (53 M 14 F)

University Senior Lectureships

Sub-Committee	Successful	Unsuccessful	Total
Arts and Humanities	8 (4 M 4 F)	3 (1 M 2 F)	11 (5 M 6 F)
Biological and Medical Sciences	8 (6 M 2 F)	2 (2 M 0 F)	10 (8 M 2 F)
Humanities and Social Sciences	9 (5 M 4 F)	2 (2 M 0 F)	11 (7 M 4 F)
Physical Sciences	1 (1 M 0 F)	1 (1 M 0 F)	2 (2 M 0 F)
Technology	3 (3 M 0 F)	0 (0 M 0 F)	3 (3 M 0 F)
TOTAL	29 (19 M 10 F)	8 (6 M 2 F)	37 (25 M 12 F)

ACTA**Approval of Graces submitted to the Regent House on 16 May 2012**

All the Graces submitted to the Regent House on 16 May 2012 (*Reporter*, 2011–12, p. 608) were approved at 4 p.m. on Friday, 25 May 2012.

J. W. NICHOLLS, *Registrar*

END OF THE OFFICIAL PART OF THE ‘REPORTER’

COLLEGE NOTICES**Vacancies**

Darwin College: Domestic Bursar; closing date: 24 June 2012; further particulars: <http://www.darwin.cam.ac.uk/vacancies/>

Emmanuel College: Mead Fellowship in Economics; tenure: three years from 1 October 2012; closing date: 22 June 2012; further particulars: <http://www.emma.cam.ac.uk>

Other Notices**Jesus College: Chadwick Prize**

Jesus College is offering one or more prizes of £500 in 2013 for essays concerning the philosophy of religion by members of the University who, at the time when the essays are submitted, have taken Honours in Classics or Theology at any university within the preceding three years and who have not previously been awarded a Chadwick Prize.

For further details, email senior-tutor@jesus.cam.ac.uk.

Society for the History of the University

The next meeting will be held at 8.30 p.m. in the Old Library, Darwin College, on Thursday, 7 June 2012. Professor Peter McCullough will give a talk entitled *Lancelot Andrewes's Pembroke in the University archives*. Refreshments will be served from 8 p.m.

EXTERNAL NOTICES**University of Oxford**

Oriel College: Stipendiary Lecturer in English; salary: £12,260–£13,789; closing date: 8 June 2012; further particulars: <http://www.oriel.ox.ac.uk/content/academic-vacancies>

St Peter's College: Director of Development; closing date: 22 June 2012; further particulars: <http://www.spc.ox.ac.uk/text/70/vacancies.html>

Somerville College: Stipendiary Lecturer in Economics; closing date: 15 June 2012 at noon; further particulars: <http://www.some.ox.ac.uk/jobs>

SOCIETIES, ETC.**Friends of Cambridge University Library**

The annual meeting of the Financial Panel of the Friends of Cambridge University Library will be held on Wednesday, 6 June 2012, at 5 p.m., in the Morison Room, University Library.

Members of the Friends are welcome to attend. Further details are available at <http://www.lib.cam.ac.uk/friends/programme.html>.

Notices for publication in the *Reporter* should be sent to the Editor, Cambridge University Reporter, Registry's Office, The Old Schools, Cambridge, CB2 1TN (tel. 01223 332305, fax 01223 332332, 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 Wednesday** for publication the following Wednesday. Inclusion is subject to availability of space.

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