CAMBRIDGE UNIVERSITY **REPORTER**

No 6395

WEDNESDAY 29 JULY 2015

Vol cxlv No 39

CONTENTS

Notices	
Calendar	786
Notice of a Discussion on Tuesday, 13 October	
2015	786
Notice of benefactions	786
Notice on the Report of the General Board on the establishment of the University offices	
of Lecturer (leacning) and Senior Lecturer (teaching)	796
(teaching)	787
Statistical information about staff grades	/8/
additional payments, and market supplements	789
Vacancies, appointments, etc.	
Vacancies in the University	816
Appointments, reappointments, and grants of title	816
Notices by the General Board	
Senior Academic Promotions, 1 October 2015	
exercise: appointments and titles	818
Review of examinations	820
Regulations for examinations	
Asian and Middle Eastern Studies Tripos,	001
Parts IB and II	821
English Tripos (New Regulations), Part I	821
Historical Iripos	822
Human, Social, and Political Sciences Iripos,	011
Parts IIA and IIB	822
Land Economy Impos	022
Natural Sciences Hipos, Part II	023
Examination in Micro- and Nanotechnology	823
Netions has Franker Decade at	025
Economics Trinos	823
Historical Tripos Part II 2016	823
Human Social and Political Sciences Trinos	025
Part II 2015–16	824
Land Economy Tripos	827
Management Studies Tripos 2015–16	827
Psychological and Behavioural Sciences	027
Tripos, Parts I and IIA, 2015–16	828
Examination for the M.B.A. Degree,	
Michaelmas Term 2015	829
Examination for the M.Fin. Degree,	
Michaelmas Term 2015	831

Examinations for the M.Phil. Degree, 2015–16:	
Bioscience Enterprise	832
Energy Technologies	833
Engineering for Sustainable Development	833
Industrial Systems, Manufacturing, and	
Management	835
Machine Learning, Speech, and Language	
Technology	835
Nuclear Energy	836
Examinations for the M.Res. Degree, 2015–16:	
Future Infrastructure and the Built Environment	837
Gas Turbine Aerodynamics	837
Graphene Technology	838
Integrated Photonic and Electronic Systems	838
Sensor Technologies and Applications	839
Ultra Precision Engineering	840
Class-lists, etc.	
Approved for Degrees	841
Act for the Degree of Doctor of Medicine	843
Obituaries	
Obituary Notices	843
Graces	
Grace submitted to the Regent House on	
29 July 2015	844
Acta	
Approval of Graces submitted to the	
Regent House on 15 July 2015	844
Congregation of the Regent House on	
26 June 2015: Correction	844
Congregation of the Regent House on	
18 July 2015	844
Degree of Bachelor of Medicine	857
Degree of Bachelor of Surgery	857
End of the Official Part of the 'Paportar'	
End of the Official Fart of the Reporter	
College Notices	
Awards and Prizes	859
Elections	859
College Research Fellowships, 2016–17*	859
Vacancies	859
External Natices	
University of Oxford	860
Shiveship of Oxford	500



NOTICES

Calendar

23 September, Wednesday. First ordinary number of the Reporter in the academical year 2015-16.

1 October, *Thursday*. Michaelmas Term begins. Congregation of the Regent House at 9.30 a.m.: Vice-Chancellor's address, and election and admission of the Proctors.

6 October, Tuesday. Full Term begins.

13 October, Tuesday. Discussion at 2 p.m. in the Senate-House (see below).

This issue is the last ordinary issue of the *Reporter* for the 2014–15 academical year. The first ordinary number of the 2015–16 academical year will be published on 23 September 2015.

Notice of a Discussion on Tuesday, 13 October 2015

The Vice-Chancellor invites those qualified under the regulations for Discussions (*Statutes and Ordinances*, p. 111) to attend a Discussion in the Senate-House, on Tuesday, 13 October 2015, at 2 p.m. for the discussion of:

1. Report of the General Board, dated 8 July 2015, on the establishment of certain Professorships (*Reporter*, 6394, 2014–15, p. 762).

2. Report of the General Board, dated 10 July 2015, on examination arrangements for the degree of Master of Philosophy (*Reporter*, 6394, 2014–15, p. 762).

3. Twentieth Report of the Board of Scrutiny, dated 23 June 2015 (Reporter, 6394, 2014–15, p. 770).

Notice of benefactions

27 July 2015

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

- a benefaction of US\$1,555,303 from Agilent Technologies Inc. to support the research of Dr Julian Griffin, Department of Biochemistry, in lipidomic analysis using mass spectrometry. The gift, given as an Agilent Thought Leader Award, comprises a benefaction of US\$571,178, payable over three years, and a gift of equipment worth US\$984,125;
- (ii) a benefaction of US\$400,000 from Cambridge in America, payable over two years, following a donation by an anonymous donor, to provide scholarships over two years to candidates for the examination in Conservation Leadership for the M.Phil. Degree;
- (iii) a benefaction of £225,000 from the H. B. Allen Charitable Trust, payable over three years, to support the research of Professor Brian Moore, Department of Psychology, into improving the effectiveness of hearing aids;
- (iv) a benefaction of US\$250,000 from Google Inc. to support the research of Professor Zoubin Ghahramani, Department of Engineering;
- (v) a benefaction of US\$160,000 from Cambridge in America, following a donation by an anonymous donor, to support the Kettle's Yard redevelopment (*Reporter*, 6391, 2014–15, p. 645).

Notice on the Report of the General Board on the establishment of the University offices of Lecturer (teaching) and Senior Lecturer (teaching)

27 July 2015

Following the remarks made at the Discussion of this Report (*Reporter*, 6355, 2013–14, p. 745; 6361, 2014–15, p. 69), the General Board agreed to defer further consideration of the remarks pending the outcome of a review of the position of language teachers being undertaken by the Council of the School of Arts and Humanities. The review group reported to the Council of the School in the Easter Term. The General Board, on the advice of the Human Resources Committee, have agreed that the recommendations of that review cannot be considered in isolation, but should be taken into account as part of a review of the academic career structure about which the central bodies, through the HR Committee, will consult in due course. The Board regret the delay that this will entail in the implementation of their original proposals and those recommended by the review initiated by the Council of the School.

University Composition Fees

27 July 2015

In the following Notice the Council proposes amendments to the fees for certain categories of students as set out in the Table of Fees attached to the regulations for University Composition Fees.

A. Home and EU Undergraduate and certain other fees in 2016–17

Cost of an undergraduate education

1. Ordinances provide that recommendations for the University Composition Fees to be charged to Home and EU undergraduate students be accompanied by an analysis of the cost of an undergraduate education agreed by the General Board and the Council following consultation with the Colleges (*Statutes and Ordinances*, p. 160; Grace 13 of 26 May 2011). The outcome of the agreed calculation for 2013–14 is an average cost per student of £16.8k (showing a slight increase over the 2012–13 calculation of £16.6k; *Reporter*, 6355, 2013–14, p. 708), as follows:

2013–14	£k/UG FTE
University expenditure	13.8
Less: College fee	(4.3)
Net University expenditure	9.5
Plus: College expenditure	7.3
Total cost	16.8

Details of the analysis are provided on the Planning and Resource Allocation Office website at: http://www.admin.cam. ac.uk/cam-only/offices/planning/costUG/.

Home and EU undergraduate students subject to the regulated maximum fee (Table A in the attached Schedule)

2. The government has announced the maximum rates for both new and continuing Home/EU undergraduate students for 2016–17, including the rates that may be charged for a year abroad. All rates are unchanged from 2015–16.

3. Although a higher rate of fee is permitted for non-Erasmus students on work placements abroad, the Council has agreed that the lower figure that applies to Erasmus students be charged to all New Regime students on both work and study placements abroad.

ELQ students (*Table B*)

4. The regulated fee continues to apply to Home/EU students on the P.G.C.E. and on ELQ-exempt courses (Architecture, Medicine, and Veterinary Medicine). These fees are therefore unchanged from 2015–16.

5. The ELQ fee for all other new and continuing students has increased by 2%.

Continuing Island students (Table C).

6. Island students admitted in and after 2013 are charged fees at Overseas rates.

7. Continuing Island students admitted in 2012 are charged fees which correspond to New Regime rates and for 2016–17 the fees will be unchanged from 2015–16.

8. Fees for any continuing Island students admitted before 2012 have been increased by 2% moderated to ensure the resulting rates do not exceed fees paid by Island students admitted in 2012.

B. Postgraduate fees

Fees for certain other postgraduate courses in 2016–17 (Table D)

9. Fees for the courses in Table D to the Schedule shall be as set out in the table.

The Council is accordingly submitting a Grace to the Regent House (Grace 1, p. 844) for the approval of the fees set out in the Schedule attached to this Notice.

SCHEDULE

Home/EU undergraduate and certain other fees in 2016-17

Table A Regulated rates	Continuing Ol and EU	d Regime Home students		New Regime Home and EU students			
	2015-16	2016–17		2015-16	2016-17		
	Home/EU commenced b (except those system (pre fee a	students who before 2012–13 to whom the old -Old Regime) pplies)		Home/EU s commenced or late	tudents who in 2012–13 r years		
B.A. Degree: Groups 1–5	3,465	3,465		9,000	9,000		
B.Th. Degree	3,465	3,465	ĺ	9,000	9,000		
Medical and Veterinary Degrees: M.B., B.Chir., Vet.M.B.	3,465	3,465		9,000	9,000		
M.Eng. Degree and M.Sci. Degree	3,465	3,465	[9,000	9,000		
M.Math. Degree	3,465	3,465	[9,000	9,000		
Certificates (excluding P.G.C.E.)	3,465	3,465	[9,000	9,000		
P.G.C.E.	3,465	3,465	[9,000	9,000		
Year abroad*	1,725	1,725	[1,350**	1,350**		

* These fees apply whether the student is studying or working abroad, but do not apply to a student on an Erasmus exchange.

** This fee is payable by all year abroad students including those under the Erasmus scheme.

Table B Home/EU ELQ*	Continuing Home/EU F	Old Regime CLQ students	New I Home/EU F	Regime ELQ students		
	2015-16	2016–17	2015-16	2016–17		
	Continuing comment 1 Septen	students who ced before nber 2012	Students who commenced on or after 1 September 2012			
B.A. Degree:						
<i>Groups 1–5</i> (except Architecture and Medical and Veterinary Sciences)	7,923	8,082	9,300	9,486		
Architecture**	3,465	3,465	9,000	9,000		
Medical and Veterinary Sciences**	3,465	3,465	9,000	9,000		
B.Th. Degree	7,923	8,082	9,300	9,486		
Medical and Veterinary Degrees**: M.B., B.Chir., Vet.M.B.	3,465	3,465	9,000	9,000		
M.Eng. Degree, M.Sci. Degree, and M.Math. Degree	7,923	8,082	9,300	9,486		
M.A.St. Degree	3,465	3,465	9,300	9,486		
Certificates (excluding P.G.C.E.)	7,923	8,082	9,300	9,486		
P.G.C.E.**	n/a	n/a	9,000	9,486		
Year abroad***	3,960	4,041	4,650	4,743		
Year abroad (ELQ exempt)**	1,725	1,725	1,350	1,350		

* The above rates apply to Home/EU students commencing a course in 2009–10 or later years leading to a qualification which is equivalent to, or at a lower level than, a qualification they possessed when they began their course (ELQ students). Students who have proceeded to the B.A. Degree but have been given leave to read for another Tripos 'not for honours' are deemed to be ELQ students for the purpose of their fee liability.

** ELQ students on courses in Architecture, or courses in Medical and Veterinary Sciences leading to the B.A. Degree, as defined in regulations, to the M.B. B.Chir. Degrees, to the Vet.M.B. Degree, or courses leading to the Postgraduate Certificate in Education (P.G.C.E.) are exempt from the ELQ policy and pay the regulated fees set out above.

*** These fees apply whether the student is studying or working abroad, but do not apply to a student on an Erasmus exchange.

9.114

49,000

63,960

40,625

Table C Island	Continuing Island	g Old Regime students	Continuing New Regime Island students				
	2015-16	2016–17	2015-16	2016-17			
	Continuing commen 1 Septer	students who ced before nber 2012	Students who commenced or after 1 September 2012 and before 1 September 2013				
B.A. Degree:							
Group 1	7,005	7,146	9,000	9,000			
Groups 2–3	8,786	9,000	9,000	9,000			
Groups 4–5	10,500	10,500	10,500	10,500			
Medical and Veterinary Degrees: M.B., B.Chir., Vet.M.B.	24,000	24,000	24,000	24,000			
B.Th. Degree	7,005	7,146	9,000	9,000			
M.Eng. Degree and M.Sci. Degree	10,500	10,500	10,500	10,500			
Certificates (excluding P.G.C.E.)	10,500	10,500	10,500	10,500			
Year abroad	3,501	3,573	4,500	4,500			
Table D Other Postgraduate	Hon	ne/EU	Ove	erseas			
	2015-16	2016–17	2015-16	2016-17			

	2013-10	2010-17	2013-1
M.St. in Clinical Medicine*	n/a	5,751	n/a
M.B.A.	44,960	49,000	44,960
Executive M.B.A.	63,960	63,960	63,960
M.Fin.	40,625	40,625	40,625

* Course commencing in October 2016.

Statistical information about staff grades, additional payments, and market supplements

27 July 2015

Grace 9 associated with the Second Joint Report of the Council and the General Board on new pay and grading arrangements for non-clinical staff (*Reporter*, 6002, 2004–05, p. 745) provides for the Council to publish at least annually (i) anonymized statistical information about the number of non-clinical staff on each step of the single spine, for the institution as a whole and by School (or equivalent), according to staff category, grade, and gender; and (ii) anonymized information by School (or equivalent), according to staff category, grade, and gender; of additional payments made under the regulations for payments additional to stipend, but excluding payments for clinical responsibility.

Accordingly the Council now publishes information for 2013–14 showing in the tables below the payments that have been made. All data is to 31 July 2014.

(i) Non-clinical staff on each step of the single spine

Tables 1–9 show the number of non-clinical staff on each step of the single spine by grade and gender for (*a*) academic including research staff and (*b*) academic-related and assistant staff. Table 1 shows the data for the institution as a whole; Tables 2–9 show the data by School (or equivalent). In each table contribution points on the single spine are shaded.

(ii) Payments additional to stipend

Table 10(a) shows total staff in receipt of a pensionable or non-pensionable payment made under the regulations for payments additional to stipend for each School (or equivalent) including a gender breakdown.

Tables 10(b) and (c) show, respectively, the pensionable and non-pensionable payments made by payment type, under the regulations for payments additional to stipend, across the University as a whole according to gender.

Tables 10(d) and (e) show, respectively, the pensionable and non-pensionable payments grouped by payment type, under the regulations for payments additional to stipend, by School (or equivalent) including gender breakdown.

It should be noted that the data published in Tables 10(a)-(e) has been further anonymized this year to protect individuals from potential identification in accordance with data protection principles.

It should also be noted that the payment category of 'Other payment' has been added to Tables 10(b)–(e). This category covers a range of additional payments, for example, first aid payments, and those for onerous duties, shift allowances, and pay protection. This approach is consistent with the data published in the Equal Pay Review. Due to this change there has been a significant increase in the pensionable and non-pensionable payments reported in 2013–14.

Table 12 shows total staff in receipt of a bonus payment by bonus range, grade, and staff category by School (or equivalent) including gender breakdown.

790 CAMBRIDGE UNIVERSITY REPORTER

Market supplements and market pay¹

Grace 7 associated with the Second Joint Report (*Reporter*, 6002, 2004–05, p. 745) provides for the Council to publish anonymized statistical information on all awards of market supplements at least annually by staff category, grade, gender, and School (or equivalent).

Under the arrangements introduced by the Joint Report of the Council and the General Board on amendments to the pay and grading scheme for non-clinical staff implemented following the Second Joint Report of 25 July 2005 (*Reporter*, 6302, 2012–13, p. 423), the Council and the General Board recommended that the awarding of market supplements was brought to an end and that a new system of 'market pay' was introduced.

Market pay replaced market supplements with effect from 1 January 2014. For the reporting period 2013–14 the data shows both market pay and market supplements.

Accordingly, the Council publishes below information for 2013-14 on market supplements and market pay awards that have been made. Table 11(a) shows the total number of staff in receipt of market supplements; Table 11(b) shows the total number of staff in receipt of market pay awards; Table 11(c) shows the number of all staff newly awarded a market supplement; and Table 11(d) shows the number of all staff newly awarded market pay.²

In order to ensure appropriate scrutiny, accountability, and transparency in the award of market pay, applications concerning non-academic staff are approved by the Registrary in consultation with the Human Resources (HR) Division, and those concerning academic staff are approved by the Vice Chancellor, or a nominated deputy, in consultation with the HR Division. Where an award exceeds 10% of the lowest salary point of the grade the HR Committee or Remuneration Committee of the Council (REMCO) are also asked to approve the award.

¹ For the purpose of this Notice advanced contribution supplements are reported within the basic pay tables.

² As 2013–14 was the first year in which market pay was awarded, for this year Table 11(*b*) showing all those in receipt of market pay as at 31 July 2014 and Table 11(*d*) showing those newly awarded market pay in 2013–14 capture the same data and are therefore identical.

Table 1(a) Number of academic and research staff on the single salary spine by grade, gender, and scale point as at 31 July 2014

Scale	Grade T	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Overall	Scale
Point 100	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Point 100					
99															99
90															90
96															96
94															94
93 92															93
91													1	1	91
90 89													3	3	90 89
88													6 1	6 1	88
87 86													7 2	9 2 7	87 86
85													9 2	9 2	85
84 83													9 1	9 1	84 83
82 81													6 1 29 6	6 1 29 6	82
80													13 3	13 3	80
79 78													15 3 16 4	15 3 16 4	79 78
77													25 8	25 8	77
76													27 3 48 7	27 3 48 7	76
74													22 2 18 2	22 2 18 2	74
72													20 7	20 7	72
71 70													15 6 35 11	15 6 35 11	71 70
69													23 6	23 6	69
68 67												4 2	151 22	151 22 4 2	68 67
66												1		1	66
64											1	3		4	64
63 62											1	197 64 8 6		198 64 8 7	63 62
61										22 4	127 67			149 71	61
60 59										9 3 13 7	14 12 20 9			23 15 33 16	60 59
58									1	20 14				20 15	58
57									1	234 153 24 16				234 153 24 17	57
55									2 4	34 20				36 24	55
53									1	39 14				40 14	53
52 51								10 20 18 8	5	35 23 51 27				45 43 69 40	52 51
50								27 21	2	33 14				60 37	50
49 48								25 34 253 202		33 27				58 61 253 202	49 48
47								13 19 80 77						13 19 80 77	47
45								85 82						85 82	45
44 43						1 3 1 2		117 83 39 29						118 86 40 31	44 43
42						2 3		133 141						135 144	42
41						2 8 6 11		52 36						103 147 58 47	41
39 38						10 9 65 132		154 107						164 116 65 132	39 38
37						43 21								43 21	37
36 35						39 51 11 18								39 51 11 18	36 35
34						48 89								48 89	34
32															32
31 30															31 30
29															29
28															28
26					-			-	-			-			26
24															24
23 22															23 22
21															21
20 19															20 19
18 17															18 17
16															16
15 14															15 14
13															13
12 11															12 11
10															10
9 8															9 8
7															7
Total						228 347		1187 998	3 14	575 330	163 89	213 72	514 97	2883 1947	Total

Table 1(*b*) Number of academic-related and assistant staff on the single salary spine by grade, gender, and scale point as at 31 July 2014

Scale	Grade T	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Overall	Scale
Point 100	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Point 100
99 98															99 98
97													1	1	97
96 95													1	1	96 95
94															94
93													3	3	93
91 90													1	1	91 90
89													1 1	1 1	89
88 87													4 3	4 3	88 87
86															86
85 84														1	85 84
83 82													7 1	7 1	83 82
81													1	1	81
80 79													3	3	80 79
78													2	2	78
77													2	2	77
75													2 1	2 1	75
74													2	1 2	73
72													2 1	2 1	72
70													1	1	70
69 68													3 1 1 3	3 1	69 68
67												11 4		11 4	67
65												3 8 4		8 4	65
64 63											12 10 7 4	6 4 3 1		18 14 10 5	64 63
62											13 11	1		13 12	62
61 60										19 7 8 9	30 23 6 10			49 30 14 19	61 60
59										16 11	6 15			22 26	59
58 57									5 6 20 6	38 23 43 46				43 29 63 52	58 57
56									15 25	3 6				18 31	56
55									11 16	5 5				16 21	55
53 52								28 9	13 18 13 14	4 4				17 22	53
51								4	11 19	5 11				16 34	51
50 49								12 10 28 30	9 17 7 13	7 7 8 15				28 34 43 58	50 49
48							13 9	64 69	13 13					90 91	48
47							2 5	13 14 19 20	9 13					30 33	4/
45						7 5	6 16 12 12	12 18	13 15					31 49	45
43						8 2	27 19	4 21						39 42	43
42						13 12 18 12	60 79 16 28	13 27 10 20						86 118 44 60	42
40						25 22	14 20	11 16						50 58	40
39 38					7 19	48 78 100 169	12 34 17 25	11 25						71 137 124 213	39 38
37					14 12	18 43 27 52	15 12							47 67	37
35					28 81	27 65								55 146	35
34 33				6 6	84 247 22 50	17 28								101 275 28 56	34 33
32				1 2	20 54									21 56	32
31				3 4 18 34	22 63 27 73									25 67 45 107	31
29			10	98 170 12 21	12 40									110 210	29
20			2 1	13 33										12 31	27
26 25			1 3 5 6	23 31 30 46										24 34 35 52	26 25
24			64 66	11 27										75 93	24
23 22			3 10 7 11											3 10 7 11	23 22
21		7 9	17 20											24 29	21
19		4 4	23 23											27 27	19
18 17		9 19 74 91												9 19 74 91	18 17
16		14 18												14 18	16
15 14		18 14 14 17												18 14 14 17	15 14
13		31 49												31 49	13
12 11															12 11
10 9	1													1	10 9
8	7													7	8
7 6	2													2	7
Total	9 2	177 222	142 479	245 274	260 660	209 499	104 260	229 201	222 222	470 404	74 70	29 17	40 16	2002 2004	Tetel

Table 2(a) Number of academic and research staff on the single salary spine by grade, gender, and scale point

School of Arts and Humanities as at 31 July 2014

Scale	Grade T	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Overall	Scale
100	Male Female	Male Female	100												
99															99
90															90
96															96
95 94															95 94
93															93
92															92
90															90
89															89
87															87
86													1	1	86
85 84															85
83													1	1	83
82 81													3 5 1	3	82 81
80													2	2	80
79 78													1 2	1 2	79
77													2 1	2 1	77
76													1	1	76
75													5 4	8 4 5	75
73													3 1	3 1	73
72													1 2 1	1 2 1	72 71
70													6 2	6 2	70
69 68													1	1	69 68
67															67
66															66
64															64
63												28 15		28 15	63
62 61										1	24 15			25 15	62 61
60											4 4			4 4	60
59 58										A	4 4			4 4	59
57										19 25				19 25	57
56										1 1				1 1	56
54										4 1				4 1	54
53									1	6 1				7 1	53
52 51									2	4 4 6 7				6 9	52
50								2 1	1	1				3 2	50
49 48								1 2 7		3 2				4 2 2 7	49
47								1 1						1 1	47
46 45								1 2 1						1 2 1	46
44								3 3						3 3	44
43								9 6						9 6	43
41								12 9						12 9	41
40								3 4						3 4	40
38						1								1	38
37						2								2	37
36						2								1 2	36
34						1 2								1 2	34
33 32									<u> </u>						33 32
31															31
30 29															30 29
28														<u> </u>	28
27															27
25															25
24			-												24
23															23
21															21
20 19	l														20 19
18															18
17															17
15									<u> </u>						15
14															14
13 12															13 12
11															11
10															10 9
8															8
7															7
Total						2 6		27 20	1 2	47 46	22 22	29 15	60 40	210 148	Total

Table 2(b) Number of academic-related and assistant staff on the single salary spine by grade, gender, and scale point

School of Arts and Humanities as at 31 July 2014

Scale	Grade T	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Overall Mala Famala	Scale
100	Male Female	100													
99 98															99 98
97															97
95															95
94 93															94 93
92															92
91 90				<u> </u>											91 90
89															89
88 87															88 87
86				L											86
84															84
83 82				<u> </u>									1	1	83 82
81															81
80 79															80 79
78															78
76															76
75															75 74
73			L												73
72 71			+	<u> </u>									1	1	72 71
70															70
69 68			+	<u> </u>											69 68
67				L											67
65															65
64 63												1		1	64 63
62															62
61 60				<u> </u>							1 1			1 1	61 60
59															59
58 57									1	2 5				1 1 2 6	58 57
56									1					1	56
55									4 3					4 3	55 54
53 52								1	2					2	53 52
51									1					1	51
50 49										1				1	50 49
48							2 1	2 6						4 7	48
47 46				-				2						2	47 46
45								2 2	1					3 2	45
43							2 1	1 2						3 3	44
42				<u> </u>		1	5 2 1 5	2						5 4 2 10	42 41
40						2	2	4 4						4 8	40
39					1	1 10	1 3	3 3						5 16 1 15	39 38
37				L	1	1 4								1 5	37
35			<u> </u>		5	1 5								1 10	35
34 33					4 9 1 2	2								4 11 1 2	34 33
32			L		2									2	32
31 30			-	4 1	3									3 4 3	31 30
29				3 5 1	1									3 6	29
20				1										1	20
26 25			-	2 1 1 5										2 1 1 5	26 25
24			5	1										6	24
23 22			-												23 22
21		1	1 2											2 2	21
19			1											1	19
18 17		4		<u> </u>										4	18 17
16			<u> </u>	<u> </u>										·	16
15 14	├ ──	3	<u> </u>	<u> </u>										3	15 14
13		23 27	L											23 27	13
12		<u> </u>													12
10				+											10
8															8
7			<u> </u>	<u> </u>											7
Total		28 30	1 9	44 44	5 26	E 26	12 17	14 25	7 9	2 9	1 1	1	1 1	89 174	Total

Table 3(a) Number of academic and research staff on the single salary spine by grade, gender, and scale point School of the Biological Sciences as at 31 July 2014

Scale Point	Grade T Male Female	Grade 1 Male Female	Grade 2 Male Female	Grade 3 Male Female	Grade 4 Male Female	Grade 5 Male Female	Grade 6 Male Female	Grade 7 Male Female	Grade 8 Male Female	Grade 9 Male Female	Grade 10 Male Female	Grade 11 Male Female	Grade 12 Male Female	Overall Male Female	Scale Point
100															100
98															98
97 96															97 96
95															95
94 93															94 93
92															92 91
90													2	2	90
89 88													3	3	89 88
87													2	2	87
85													2 1 1	2 1 1	85
84													1	1	84
82													2	2	82
81 80													3 1 1 2	3 1 1 2	81 80
79													2	2	79
78													3 1 6 3	3 1 6 3	78 77
76 75													6 7 2	6 7 2	76 75
74													2 1	2 1	74
73 72													2	2 4	73 72
71													2 1	2 1	71
69													2 1	5 3 2 1	69
68 67													21 10	21 10	68 67
66															66
65 64												1		1	65 64
63												37 6		37 6	63 62
61										3	25 12	<u> </u>		28 12	61
60 59										1 3 1	2 3			2 4	60 59
58										5 4				5 4	58
57 56										34 37 8 2				34 37 8 2	57 56
55										4 4				4 4	55
53										5 3				5 3	53
52 51								7 12 8 3	1	6 6 9 5				13 18 17 9	52 51
50								9 9		6 3				15 12	50
49 48								8 11 79 55		3 5				11 16 79 55	49 48
47								2 8						2 8	47
45								20 25						20 25	45
44 43						1		40 24 9 7						40 25 9 8	44 43
42						1		39 28						39 29	42
41						2 4		26 12						30 42 28 16	41 40
39 38						3 2 21 22		22 26						25 28 21 22	39 38
37						5 6								5 6	37
36 35						8 14 3 4								8 14 3 4	36 35
34 33						16 16								16 16	34 33
32															32
31 30															31 30
29															29
27															27
26 25															26 25
24															24
23 22															23 22
21															21 20
19															19
18 17															18 17
16															16
15 14															15 14
13															13
11															11
10 9															10 9
8															8
6															6
Total						60 73		318 287	1	93 73	31 17	43 8	79 26	624 485	Total

Table 3(b) Number of academic-related and assistant staff on the single salary spine by grade, gender, and scale point School of the Biological Sciences as at 31 July 2014

Scale	Grade T Malo Esmalo	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9 Malo Fomalo	Grade 10	Grade 11	Grade 12 Malo Fomalo	Overall Malo Fomalo	Scale
100	male remale	male remaie	male remaie	male remale	male remale	male remaie	male remaie	male remaie	male remale	male remale	male remaie	male remaie	male remaie	male retitate	100
99 98													-		99 98
97															97
96 95															96
94															94
93 92													-		93 92
91															91
90 89													-		90 89
88															88
87 86															87 86
85															85
84 83													1	1	84 83
82															82
81 80															81 80
79															79
78 77															78 77
76															76
75															75
73															73
72															72 71
70															70
69 68													1	1	69 68
67		-										-		L	67
65												-			65
64 63											1	1		2	64 63
62														-	62
61 60										1 1	1			1 2	61 60
59										1 1	1			2 1	59
58 57									1 2	2 1 7 3				3 1 7 5	58 57
56									3 3	, ,				3 3	56
55 54									10 8	2 2				12 10	55 54
53									1	1				2	53
52 51								2 2	1 4	1				3 6	52 51
50								2 4	1 1	1 1				4 6	50
49 48							1 1	4 6 9	1 1					1 5 7 11	49 48
47								3						3	47
46 45							2	2 2	1 2					1 4 5 2	46 45
44						1	1 4	3						1 8	44
43						1 5	6 6	2						7 11	43
41						2 2	1 2	1						3 5	41
39						3 13	3	2 2						5 18	39
38					3 8	24 42 2 7	2 1							29 51 7 12	38 37
36					9 5	3 9								12 14	36
35 34					7 22 12 57	3 4 1 11								10 26 13 68	35 34
33				1 1	5 10									6 11	33
32 31				2	4 8 5 14									4 8 7 14	32 31
30				3 11	3 13									6 24	30
29 28			1	14 33 3 4	1 6									15 39 3 5	29 28
27			1	6 10										7 10	27
26			1 1	3 9 4 11										3 10 5 12	26
24			14 17	6 8										20 25	24
23			3 3											3 3	23
21		3	3 3											3 6	21
19		3	11 11											- • 11 14	19
18 17		2 3 15 19												2 3	18 17
16		5 4												5 4	16
15		5 3 1 4												5 3	15
13		1 1												1 1	13
12														<u> </u>	12 11
10															10
9 8															9 8
7															7
6 Total		29 40	38 49	42 87	53 147	44 104	19 24	18 30	21 25	16 10	3 2	1	1 1	285 519	6 Total

Table 4(a) Number of academic and research staff on the single salary spine by grade, gender, and scale point

School of Clinical Medicine as at 31 July 2014

Scale	Grade T	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Overall	Scale
Point	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Point							
99															99
98															98
97 96													-		97 96
95															95
94													-		94
93													-		93
91															91
90 89													-		90 89
88													1	1	88
87													2	2	87
85													2	2	85
84															84
83 82													1	1	83 82
81													1 2	1 2	81
80													-		80
79															79
77													2 2	2 2	77
76													2	2	76
74													4 1	4 1	74
73															73
72													3	3	72
70													1 1	1 1	70
69 62													3	3	69 68
67												3 2	5 1	3 2	67
66															66
65 64												2		1 2	65 64
63												7 4		7 4	63
62										6 2	1	2 2		2 2	62
60										3 2	1			4 2	60
59										3 3				3 3	59
58 57									1	2 3				2 4	58 57
56									1	5 9				5 10	56
55									4	4 4				4 8	55
53										1 5				3 3	53
52								1 7		4 4				5 11	52
51 50								4 4 7 9	1	5 6 4 3				9 11 11 13	51 50
49								8 13		3 1				11 14	49
48								54 87						54 87	48
4/								16 28						16 28	47
45								11 31						11 31	45
44						1 1		14 21 8 10						15 22 8 10	44
42						2 2		16 43						18 45	42
41						2 7		30 32 6 10						30 36 8 17	41
39						7 7		30 31						37 38	39
38						19 66								19 66	38
37 36						11 25								ь 11 11 25	37 36
35						3 8								3 8	35
34 33						8 41								8 41	34 33
32															32
31															31
29															29
28															28
27															27 26
25															25
24			-												24
22															22
21															21
20 19															20 19
18															18
17															17
15															15
14															14
13 12															13 12
11															11
10															10
8															8
7															7
6														L	6

Table 4(b) Number of academic-related and assistant staff on the single salary spine by grade, gender, and scale point

School of Clinical Medicine as at 31 July 2014

Scale	Grade T Malo Esmalo	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7 Malo Esmalo	Grade 8 Malo Formalo	Grade 9 Malo Fomalo	Grade 10 Malo Eomalo	Grade 11 Malo Formalo	Grade 12 Malo Formalo	Overall Malo Female	Scale
100	male remaie	male remaie	male remaie	male remaie	male remaie	male remaie	male remaie	male relitate	male remale	male remaie	male remaie	male Felliale	male remaie	male remaie	100
99													-		99
98 97															98
96															96
95													-		95
94													-		94
92															92
91													-		91
90 89													-		90 89
88															88
87														1	87
85													-		85
84															84
83													-		83
81													-		81
80															80
79													-		79
77															77
76															76
75															75
74															74
72															72
71															71
70 69															70 69
68															68
67														L	67
65														ł	65
64											1			1	64
63											4			1	63
61										2	1			2 1	61
60										1	2 1			2 2	60
59									2 1	1 1	1 1			2 2	- 59
57									3	1 1				4 1	57
56									2 2	2				2 4	56
55									11 4	1 1				12 5	55
53									2 1					2 1	53
52								6	2 4	1				8 5	52
51								2	2 3					2 5	51
49								6 6	1					6 7	49
48							1	10 10	3 1					13 12	48
47							1	1 1	1 3					1 3	47
45							1 3	2 3	2					3 8	45
44						2		7 5						7 7	44
43						1 1	1 2 9 16	5 4						2 9 15 22	43
41						3	4 5	1 1						5 9	41
40						2	5	2 1	-					9 1	40
39 38					3	4 14 11 30	1 3	3 5						8 22 12 36	39
37					1 1	2 6	2 2							5 9	37
36					3	4 7								4 10	36
35					8 39	3 11 5 1								3 16 13 40	35
33				2 1	5 11									7 12	33
32					2 7									2 7	32
31				5 6	7 19									12 25	31
29				5 23	3 11									8 34	29
28			4	8										12	28
26			1	2 3										2 3	26
25				3 3										3 3	25
24			12 11	5										12 16	24
23			1											1	23
21			5 5											5 5	21
20	l		2 6											2 6	20
19		2	2 1											2	18
17		1 1												1 1	17
16		2												2	16
14		1												- 1	14
13		1												1	13
12															12
10															10
9														L	9
8															7
6															6
Total		4 4	22 34	18 54	29 108	33 77	24 36	54 48	31 27	5 8	5 3	1	1 1	226 399	Total

Table 5(a) Number of academic and research staff on the single salary spine by grade, gender, and scale point School of the Humanities and Social Sciences as at 31 July 2014

Table 5(b) Number of academic-related and assistant staff on the single salary spine by grade, gender, and scale point School of the Humanities and Social Sciences as at 31 July 2014

Scale	Grade T	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Overall Mala Famala	Scale
100	male remale	male remale	Male Female	male remale	100										
99															99
97															97
96															96
94															94
93															93
92															92
90															90
89 88															89
87															87
85															85
84															84
82														1	82
81															81
79															79
78															78
76															76
75															75
73															73
72															72
70															70
69													1		69
67															67
66 65															66
64															64
63											1			<u> </u>	63
61											1 1			1 1	61
60 59										1				1	60 59
58															58
57 56										1 3				1 3	57
55									2	1				2 1	55
54										1				1	54
52								2	1					3	52
51 50								1	1	1 3				1 4	51 50
49										7 4				7 4	49
48							4 1	6 4 1 1	1					10 6	48
46								1						1	46
45 44							1	1 1						1 2	45 44
43							4	3						7	43
42						1 1	2 10	2 7						5 18	42
40						1		1						2	40
39 38					1 1	3 6 7 9	1 1	1						4 6 9 11	39 38
37					3	1 1								1 4	37
36 35					1 1	6 1 4								1 7 2 15	36 35
34				1 4	2 22	2								2 24	34
32				1	4									1 4	32
31				1	1 4									1 5	31
29				7 18	4									7 22	29
28				2 3										2 3	28
26				1 2										1 2	26
25 24			1 1 4 6	2 3										3 4	25 24
23			3	-										3	23
22			1											1	22
20															20
19 18		1												1	19 18
17		4 8												4 8	17
16 15		4												4	16 15
14															14
13 12														────	13 12
11															11
10 9														┝────┘	10 9
8															8
7															7
Total		5 12	5 12	14 37	7 60	13 30	7 18	14 21	5 1	15 13	1 2		2	88 206	Total

Table 6(a) Number of academic and research staff on the single salary spine by grade, gender, and scale point School of the Physical Sciences as at 31 July 2014

Scale	Grade T	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Overall	Scale
Point	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Point							
100															99
98															98
97 96															97 96
95															95
94															94
93															93
91													1	1	91
90 89													1	1	90
88													1	1	88
87													4 1	4 1	87
85													5	5	85
84													4	4	84
83													2	2	83 82
81													4	4	81
80													3	3	80
79													4	4	79
77													7	7	77
76													5 1	5 1	76
74													6	6	74
73													5	5	73
72													4	4	72
70													12 5	12 5	70
69 68													8 2 52 3	8 2 52 3	69 68
67															67
66															66
64											1			1	64
63											1	42 11		43 11	63
62 61										3 1	22 8	1		25 9	62
60										4	2			6	60
59										4	1			5	59
58										48 13				6 1 48 13	58
56										4 1				4 1	56
55									1	6 4				7 4	55
53										12 3				12 3	53
52										10 4				10 4	52
51 50								4 1		12 2				13 2 16 4	51 50
49								6 4		11 5				17 9	49
48								72 15						72 15	48
46								20 9						20 9	46
45								26 12						26 12	45
44						1		35 21 9 5						35 21 9 6	44
42								41 20						41 20	42
41								63 26 7 4						63 26 7 4	41
39								44 17						44 17	39
38						5 6								5 6	38
36						7 1								7 1	36
35						2 1								2 1	35
34 33						11 3								11 3	34 33
32															32
31														<u> </u>	31
29															29
28		-				-						-		\vdash	28
27															27
25															25
24			-												24 23
22															22
21															21
19															19
18															18
17															17
15															15
14															14
13 12												1			13 12
11															11
10															10
8															8
7		-										-			7
6 Total						20 45		222 425		440 00		42 42	455 44	700 000	6 Total

Table 6(b) Number of academic-related and assistant staff on the single salary spine by grade, gender, and scale point School of the Physical Sciences as at 31 July 2014

Scale	Grade T	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Overall	Scale
Point 100	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Point 100				
99															99
98 97															98 97
96															96
95 94															95 94
93															93
92 91															92 91
90															90
89															89 88
87															87
85															85
84													4	-	84
82															82
81 80														1	81 80
79															79
78															78 77
76															76
75															75
73															73
72															72
70															70
69 68															69 68
67															67
66												1		1	66 65
64											2	1		3	64
63 62															63 62
61										1 1	3			4 1	61
60 59										1 3 1	1			1 1 3 1	60 59
58									2	4 1				4 3	58
57 56									7 2	6 2				13 4 1 1	57 56
55									6 3	1				7 3	55
54 53									2 2	1 1				1 2 2 3	54 53
52								7 1	1	2				10 1	52
51 50								3 1	2	4				6 3 1	51 50
49								7 4	1 1	1				8 6	49
48 47							3	9 6 3 2	1					13 6 3 2	48 47
46								3						3	46
45						2	1 1 4 3	2	2					4 2 8 3	45 44
43							8 3	1 2						9 5	43
42						9 2	3 4	1 2						18 9 13 8	42 41
40				-		11 3 12 6	1 5	2 3	-					14 11	40
38					1 2	19 15	2 2							22 19	38
37					5 1 5 2	5 4 5 9	5 1							15 6	37
35					4 5	1 4								5 9	35
34 33				1	14 29 1 8	3 1								17 30 2 8	34 33
32					4 2									4 2	32
31 30				1	2 5									9	31 30
29				11 24	1 3									12 27	29
28 27				1 1 1										1 1 1 3	28 27
26			1 1	5 3										6 4	26
25 24			3 3	3 4										3 4 3 6	25 24
23			1											1	23
22			1 4											1 3	22 21
20		3	1 4											1 4	20
19		4 10	2 1		<u> </u>				<u> </u>		<u> </u>	<u> </u>		5 1 4 10	19
17		21 13	-	-				-					-	21 13	17
16		3 3	<u> </u>											1 Z 3 3	15
14		1 1												1 1	14
13		-												4	13
11															11 10
9	1													1	9
8	1													1	8
6															6

Table 7(a) Number of academic and research staff on the single salary spine by grade, gender, and scale point

School of Technology as at 31 July 2014

Scale	Grade T	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Overall	Scale
100	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	100							
99 98															99 98
97															97
96 95															96 95
94															94
93 92															93 92
91															91
90 89															90 89
88															88
86														1	86
85															85
83													3	3	83
82 81													11 1	11 1	82 81
80													1	1	80
79 78													4 3	4 3	79 78
77													3	3	77
75													13	13	76
74													2	2	74
73													4 1	4 1	73
71										-			1 1	1 1	71
69													5	5	69
68 67												1	30 2	30 2 1	68 67
66															66
65 64															65 64
63												45 7		45 7	63
62 61										9	30 6	1 1		1 1 39 6	62 61
60										2	4			6	60
59 58										3 1 6 2	9			12 1 6 2	59 58
57										62 15				62 15	57
55										9 2				9 2	55
54										4				4	54
52								2		5				7 2	52
51 50								4 1 4		11 1 6 1				15 2 10 1	51 50
49								2 5		5 3				7 8	49
48 47								30 17 4						30 17 4	48 47
46								18 7						18 7	46
45 44								20 5 23 8						20 5 23 8	45 44
43						1		12 2						13 2	43
42						1		17 6 35 14						17 6 35 15	42
40						1		5 3						6 3 51 9	40
39						13 10		0						13 10	38
37						16 8 3								16 8 3	37
35						1 1								1 1	35
34 33						4 4								4 4	34 33
32															32
31 30															31 30
29															29
28															28
26			-												26 25
24															24
23 22			-												23 22
21															21
20 19															20 19
18															18
17 16															17 16
15															15
14															14 13
12															12
10															10
9															9
7															7
6 Total		-			_		_	007 70		404 07	42			500 440	6

Table 7(b) Number of academic-related and assistant staff on the single salary spine by grade, gender, and scale point

School of Technology as at 31 July 2014

Scale	Grade T Male Female	Grade 1 Male Female	Grade 2 Male Female	Grade 3 Male Female	Grade 4 Male Female	Grade 5 Male Female	Grade 6 Male Female	Grade 7 Male Female	Grade 8 Male Female	Grade 9 Male Female	Grade 10 Male Eemale	Grade 11 Male Female	Grade 12 Male Female	Overall Male Female	Scale
100	male remaie	male i emale	mare remare	male i emale	male remaie	maie remaie	male remaie	male remaie	indic Fernale	maie remaie	maie remaie	male remaie	male Female	maie remaie	100
99 98															99 98
97 96															97 96
95															95
94 93															94 93
92															92
91 90															91 90
89															89
88 87															88 87
86															86
84															84
83 82													1 1	1 1	83 82
81															81
80 79															80 79
78													1	1	78
76															76
75															75
73															73
72		-													72
70															70
69 68													1	1	69 68
67												3 1		3 1	67
66 65												1 2		2	66 65
64											1 1	1 1		2 2	64
62											3			3	62
61										6	8			14	61
59										1 2	3 2			4 2	59
58 57									3 1	3 1 3				3 1 6 1	58 57
56									3 5	U U				3 5	56
55 54									12 2	2				12 4 2 2	55 54
53									3					3	53
52 51								5 4	2 2	1 1				6 4 2 3	52 51
50								3 1	1	1				3 3	50
49 48							1 1	5 3 8 11	1 1	1				6 5 9 13	49 48
47							4	1 2	1					1 3	47
45							2 2	1 2	3					3 7	45
44 43						4 2	2 1 3 1	1						7 1 6 2	44 43
42						2 1	8 7	1 3						11 11	42
41 40						5 3 6 3	1 4	1 4						7 11 7 5	41 40
39						7 12	4	1						7 17	39
30					3	4 5	3 4							10 9	30
36					3 6	3 5								6 11 13 15	36
34					11 18	4 4								15 22	34
33 32				1	1 4 13									1 5 14	33 32
31					2 6									2 6	31
30 29				2 3 5 9	4 3 1 1									ь 6 6 10	30 29
28				3 1										3 1	28
26			1	1 3										1 4	26
25 24			1 1 2	1 1										2 2 3 1	25 24
23															23
22 21															22 21
20		1	2 1											3 1	20
19 18		3												3	19 18
17		4 6												4 6	17
16 15		1 2												1 2	16 15
14 13		1 1												1 1	14 13
12															12
11 10	1													1	11 10
9	c														9
8	6													6	8 7
6 Total	7	11 10	5 3	14 22	31 61	64 67	23 28	30 35	22 23	17 8	18 5	5 4	3 1	250 267	6 Total

Table 8(a) Number of academic and research staff on the single salary spine by grade, gender, and scale point

Council as at 31 July 2014

Scale	Grade T	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Overall	Scale
Point	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Point					
99						1									99
98															98
97															97
95															95
94															94 93
92															92
91 90															91 90
89															89
88 87															88 87
86															86
85 84						l									85 84
83															83
82 81						l									82 81
80		-													80
79 78						l									79 78
77		-													77
76															76
74															74
73			+												73
71															71
70			<u> </u>			<u> </u>									70
68															68
67			<u> </u>	<u> </u>	<u> </u>		-		-		-				67
65															65
64															64
63															63 62
61						[]									61
60 59															60 59
58															58
57 56						l									57 56
55															55
54															54 53
52						[]									52
51 50															51 50
49															49
48															48 47
46															46
45 44															45 44
43						1									43
42 41						1									42 41
40			L												40
39 38								1						1	39 38
37			L												37
36 35															36 35
34		-													34
33 32															33 32
31			L												31
30 29															30 29
28		-													28
27 26															27 26
25															25
24 23															24 23
22															22
21															21 20
19															19
18						[!]									18 17
16															16
15 14						[!]									15 14
13															13
12						<u> </u>									12
10															10
9			<u> </u>			<u> </u>									9
7															7
6			<u> </u>												6

Table 8(b) Number of academic-related and assistant staff on the single salary spine by grade, gender, and scale point

Council as at 31 July 2014

Scale	Grade T	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Overall	Scale
Point 100	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Point
99															99
98 97													1	1	98 97
96															96
95 94													1	1	95 94
93													1	1	93
92 91													3	3	92
90													1	1	90
88														1 1	88
87													3 2	32	87
85													1	1	85
84 83													1	1	84 83
82															82
81 80													2	2	81 80
79													1 2	1 2	79
77													1	1	77
76 75													2 1	2 1	76
74													1	1	74
73 72													1	1	73 72
71													2	2	71
70 69			-										1 2 1	2 1	70 69
68													2	2	68
67												o 3 1		8 3	66
65											7 7	5 2 2 3		5 2	65
63											4 3	2		6 3	63
62 61										8 4	8 7 14 17	1		8 8 22 21	62 61
60										3 5	1 7			4 12	60
59 58									3	6 6 25 13	1 11			7 17 25 16	59 58
57									2	21 27				23 27	57
56 55									4 9 34 25	2 4 8 4				6 13 42 29	56 55
54									7 6	1 4				8 10	54
52								5 1	4 0 8 5	4 2 5				8 10 13 11	52
51 50								1	5 6	3 3				8 10 7 11	51
49								8 9	3 5	1 8				12 22	49
48 47							1 2	17 17 3 5	7 8 9 8					25 27	48
46							3	3 10	7 3					10 16	46
45 44						1 2	7	3 7 3 8	5 7					8 21 4 13	45
43						3	5 4	1 5						9 9	43
42						1 1	6 7	4 7						22 31 11 15	42
40						2	5 5	2 5						7 12	40
38					2 2	16 23	7 10	1 13						25 35	38
37 36					1 3 2	2 11 9 11	2 2							5 13 12 13	37 36
35					4 16	9 24								13 40	35
34 33				1	22 45 5 7	2 7								24 52 6 7	34 33
32	-		-		9 15									9 15	32
30				1 3	7 15									8 18	30
29 28			3	33 22 1 2	6 7									39 29 1 5	29 28
27			1	1 7										2 7	27
26 25			2	5 8 10 11										5 8 12 11	26 25
24			22 4	1 3										23 7	24
23			1											1	23
21		4	4 5											4 5	21
19			6 3											6 3	19
18 17		2 6 8												6 8	18 17
16		1												1	16
15 14		4 8 8												4 8 8	15 14
13		3 2												3 2	13
12 11		l													12 11
10															10
8															8
7														<u> </u>	7
Total		22 21	41 18	53 57	65 118	56 92	50 80	56 96	99 102	84 87	35 52	17 10	29 10	607 743	Total

Table 9(a) Number of academic and research staff on the single salary spine by grade, gender, and scale point

General Board as at 31 July 2014

Scale	Grade T	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Overall	Scale
Point	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Point
99															99
98															98
97															97
96															96
94															94
93															93
92															92
91															91
89															89
88															88
87															87
86															86
84															84
83															83
82															82
81															81
79															79
78															78
77															77
76															76
75	l – – – – – – – – – – – – – – – – – – –										-			1	74
73											-				73
72															72
71															71
70													1	1	70 69
68														· ·	68
67															67
66														I	66
65 64															65 64
63															63
62															62
61											1 1			1 1	61
60 50										1	1 2			2	- 60
58															58
57										4				4	57
56															56
55										1				1	55
53															53
52										1				1	52
51															51
49														1	- 49
48								4 9						4 9	48
47															47
46								2						2	46
44						1		1						2	44
43															43
42								4						4	42
40					-	1				-			-	1	41
39															39
38						3 11								3 11	38
37						1 1								1 1	37
35											-			· · ·	35
34						1 1			-				-	1 1	34
33														l	33
32	l														32
30															30
29														———	29
28															28
26															26
25															25
24			-		-									———	24
23			1												23
21											-			1	21
20															20
19								_						L	19
18															18
16															16
15															15
14														———	14
13 12															13 12
11															11
10															10
9															9
7															7
6															6
Total			1			6 44		0 45		r 0	2 2		4	22 24	Tatal

Table 9(b) Number of academic-related and assistant staff on the single salary spine by grade, gender, and scale point

General Board as at 31 July 2014

Scale	Grade T	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Overall	Scale
Point	Male Female	Point													
99															99
98													-		98
96															96
95													-	ļ	95
93															93
92															92
91															91
89															89
88													1	1	88
86															86
85															85
83													1	1	83
82 81													-		82 81
80															80
79													1	1	79 78
77															77
76 75													-		76 75
74															74
73			<u> </u>										1	1	73
71															71
70 69															70 69
68															68
67 66															67 66
65												1 2		1 2	65
64 63											1 1	1		2 1	64 63
62											1 3			1 3	62
61 60										1 1	3 2			4 3 2 1	61 60
59										3 2	1			3 3	59
58 57									2	3 5				5 5	58 57
56									2 4	1				3 4	56
55 54									6 4 1 5	2 1				8 5	55 54
53									2 3					2 3	53
52								1						1	52
50								3	1 4	1				2 7	50
49							1 2	2 4	1 4					3 8	49
40							' 2	1 1	2 2					1 3	40
46							1	1 1	1					3 1	46
44							5 1	2						5 3	44
43						1	4 3 3 11	1						5 3	43
42						1	1	1						2 1	42
40						2 2	1 3	1						4 5	40
39						3 12	2 2							5 14	39
37			1		2	1 5	2 2							3 9	37
35					6 9	2 6								8 15	35
34			1	2	11 28	2	-							13 28	34
32				1	1 3									2 3	32
31				1 1	5 10									6 11	31
29				20 36	7									20 43	29
28			2	1 2			-							1 4	28
26				4 2										4 2	26
25			7 20	6 8			-							6 11	25
24			1 3	2 4										9 24	24 23
22		7 ^	2 3	-										2 3	22
21		4 10	4 2 5 5											9 15	21
19			2											2	19
18		19 36												19 36	10
16		6 8												6 8	16
15 14		3 3 3												3 3 3 2	15 14
13		1 19												1 19	13
12 11															12 11
10															10
9															9
7															7
6	2													2	6

æ
÷.
ò
ลี
-
£
2
2
Σ
ო
1
ŝ
÷
0
2
يد
ŝ
Ľ
2
7
٩
Υ.
$\tilde{}$
F
ä
5
_
a
Ü
È
a
⊒.
÷
4
÷
1
3
Ξ
2
e
÷
5
ŝ
÷.
1
Ę.
<u>e</u>
ğ
e E
╘
ŝ
Ë
Ë.
e
Ľ
≥
ğ
<u>u</u>
Φ
ō
abl
nabl
onabl
sionabl
nsionabl
ensionabl
pensionabl
hensionabl-
on-pensionabl
non-pensionabl
I non-pensionabl
nd non-pensionabl
and non-pensionabl
and non-pensionabl
le and non-pensionabl
ble and non-pensionabl
able and non-pensionabl
nable and non-pensionabl
ionable and non-pensionabl
sionable and non-pensionabl
nsionable and non-pensionabl
pensionable and non-pensionabl
pensionable and non-pensionabl
of pensionable and non-pensionabl
t of pensionable and non-pensionabl
ot of pensionable and non-pensionabl
ipt of pensionable and non-pensionabl وبالفافية
ceipt of pensionable and non-pensionabl
eceipt of pensionable and non-pensionabl
receipt of pensionable and non-pensionabl
n receipt of pensionable and non-pensionabl
in receipt of pensionable and non-pensionabl
ff in receipt of pensionable and non-pensionabl
taff in receipt of pensionable and non-pensionabl
Staff in receipt of pensionable and non-pensionabl
) Staff in receipt of pensionable and non-pensionabl
e) Staff in receipt of pensionable and non-pensionabl
(e) Staff in receipt of pensionable and non-pensionabl
 – (e) Staff in receipt of pensionable and non-pensionabl
) – (e) Staff in receipt of pensionable and non-pensionabl
a) – (e) Staff in receipt of pensionable and non-pensionabl
(a) – (e) Staff in receipt of pensionable and non-pensionabl
0 (a) – (e) Staff in receipt of pensionable and non-pensionabl
10 (a) – (e) Staff in receipt of pensionable and non-pensionabl
s 10 (<i>a</i>) – (e) Staff in receipt of pensionable and non-pensionabl
'es 10 (<i>a</i>) – (e) Staff in receipt of pensionable and non-pensionabl
bles 10 (a) – (e) Staff in receipt of pensionable and non-pensionabl
ables 10 (a) – (e) Staff in receipt of pensionable and non-pensionabl

		Arts and	Humanities	Biologic	al Sciences	Clinical	Medicine	Humar. Social	ities and Sciences	Physical	Sciences	Techr	Vgolot	ပိ	uncil	Genera	I Board	F	otal
		No	£	No	£	No	£	No	£	No	£	No	£	No	£	No	£	No	£
Boneionablo	Male	29	£94,495	86	£606,946	142	£993,034	31	£127,658	64	£360,924	41	£343,616	76	£124,034	50	£55,444	519	£2,706,151
	Female	1	£20,136	76	£202,302	170	£337,963	19	£32,486	25	£74,522	21	£55,725	28	£30,583	46	£44,831	396	£798,548
Non noncionable	Male	35	£38,784	142	£236,160	107	£62,276	65	£282,158	180	£206,579	84	£231,822	134	£836,536	30	£26,260	<i>LLL</i>	£1,920,575
	Female	12	£5,866	144	£106,843	128	£62,893	54	£78,182	80	£82,061	43	£25,102	57	£21,444	29	£6,011	547	£388,402
	Male	64	£133,279	228	£843,105	249	£1,055,310	96	£409,816	244	£567,503	125	£575,438	210	£960,571	80	£81,704	1296	£4,626,726
Total	Female	23	£26,001	220	£309,146	298	£400,856	73	£110,668	105	£156,583	64	£80,827	85	£52,027	75	£50,842	943	£1,186,949
	Total	87	£159,280	448	£1,152,251	547	£1,456,166	169	£520,484	349	£724,086	189	£656,266	295	£1,012,597	155	£132,545	2239	£5,813,675

Table 10(a) Total pensionable and non-pensionable by School and gender

 Table 10(*b*) Pensionable by payment type and gender

		•	Fotal	
		No	£	
Admin records ibility.	Male	10	£69,861	
	Female	4	£9,167	
Additional reconcibility	Male	29	£113,335	
	Female	109	£97,132	
Additional barres	Male	61	£87,707	
	Female	14	£13,887	
Chairman Eacuity Board	Male	6	£47,820	
	Female	7	£12,343	
Demity Director/Head	Male	24	£124,012	
Deputy Director/Head	Female	10	£42,375	
Disoctor	Male	14	£77,027	
חוופרוסו	Female	4	£37,489	
Head of Denartment	Male	55	£545,900	
	Female	7	£42,496	
Acting Head	Male	4	£12,843	
	Female			
Head of Division	Male	6	£27,351	
	Female			
Socrotary Eacuity Board	Male	7	£16,404	
occietary, i acuity board	Female	۱	£1,356	
Other naument	Male	247	£1,583,890	
	Female	245	£542,303	
	Male	519	£2,706,151	
Total	Female	396	£798,548	
	Total	915	F3 504 699	

Table 10(*c*) Non-pensionable by payment type and gender

I			Fotal
		No	£
Biolonical Safety Officer	Male	37	£18,267
Diorogical called officer	Female	33	£16,648
Bonie	Male	18	£692,038
20102	Female	2	£3,290
Chairman navment	Male	31	£20,225
	Female	9	£5,435
Course Director	Male	ი	£480
	Female		
Deputy Director/Head	Male	1	£36,521
	Female	5	£5,577
Head of Denartment	Male	2	£1,107
	Female		
l asar Officer	Male	27	£15,990
	Female	3	£1,666
l ibrarian	Male	ო	£1,249
	Female		
Badiation Supervisor	Male	51	£36,663
	Female	39	£24,657
Safety Officer/Adviser	Male	51	£16,559
	Female	51	£17,211
Secretary navment	Male	œ	£17,528
occierary payment	Female	2	£1,750
Other navment	Male	535	£1,063,949
	Female	406	£312,168
	Male	777	£1,920,575
Total	Female	547	£388,402
	Total	1324	£2,308,977

ol, and gender
Scho
type,
payment
grouped
ą
Pensionable
10(<i>d</i>)
Table

		Arts and	Humanities	Biologica	al Sciences	Clinical	Medicine	Social S	Sciences	Physica	Il Sciences	Tech	nology	Col	uncil	Genera	l Board	ř	otal
		No	£	No	£	No	£	No	£	No	£	No	£	No	£	No	£	No	£
Headship payments (inc Chairman of Faculty Board, Down the Director Hand	Male	25	£90,373	22	£194,964	13	£143,214	22	£121,535	17	£148,150	22	£147,688	-	£5,434			122	£851,357
or provident and the provident of the pr	Female	9	£18,363	5	£24,765	4	£28,086	2	£11,420	2	£12,116	4	£39,767			٢	£1,542	24	£136,060
Additional hours/responsibility payments	Male	2	£3,296	12	£17,200	16	£57,414	5	£6,934	14	£31,460	10	£26,767	70	£109,540	21	£18,292	150	£270,903
(inc admin responsibility, additional responsibility)	Female	2	£1,772	19	£25,966	22	£18,960	12	£8,080	9	£3,448	13	£10,713	27	£30,583	23	£20,663	127	£120,186
thomas red to	Male	2	£826	52	£394,782	113	£792,405	4	-£811	33	£181,314	6	£169,161	5	£9,061	29	£37,152	247	£1,583,890
	Female			52	£151,572	144	£290,916	5	£12,986	17	£58,958	4	£5,246	-		22	£22,626	245	£542,303
••• ==	Male	29	£94,495	86	£606,946	142	£993,034	31	£127,658	64	£360,924	41	£343,616	76	£124,034	50	£55,444	519	£2,706,151
Total	Female	11	£20,136	76	£202,302	170	£337,963	19	£32,486	25	£74,522	21	£55,725	28	£30,583	46	£44,831	396	£798,548
	Total	40	£114,631	162	£809,248	312	£1,330,997	50	£160,144	89	£435,446	62	£399,341	104	£154,617	96	£100,275	915	£3,504,699

Table 10(e) Non-pensionable by grouped payment type, School (or equivalent), and gender

		Arts and	Humanities	Biological	Sciences	Clinical M	edicine	Humanit Social Se	ties and ciences	Physical	Sciences	Techn	ology	Cou	ıncil	Genera	I Board	Τc	otal
		No	£	No	£	No	£	No	£	No	£	No	£	No	£	No	£	No	£
Safety payments (inc Biological Safety Officer,	Male	9	£1,282	50	£30,792	53	£28,934	10	£3,929	25	£12,174	6	£6,434	13	£3,934			166	£87,479
Laser Officer, Radiation Supervisor, Safety Officer/Adviser)	Female	7	£496	29	£17,197	5	£25,523	14	£5,643	თ	£3,954	ى ك	£2,892	5	£3,650	7	£826	126	£60,182
Bonus	Male Female					-	£3,000					-	£35,000	17	£657,038	-	£290	18	£692,038 £3,290
Headship payments (inc Chairman payment, Deputy	Male	10	£12,448	9	£4,396	-	£4,957	12	£33,805	15	£10,042	8	£9,733					52	£75,381
Director/Head, Head of Department, Secretary payment)	Female	4	£2,327	7	£3,265			2	£1,333	5	£5,837							13	£12,762
Extraneous payments (inc Course Director, Librarian)	Male Female	3	£480	-	£287					-	£662	-	£300					9	£1,729
Other payment	Male	16	£24,575	85	£200,685	23	£28,385	43	£244,424	139	£183,701	65	£180,355	104	£175,565	30	£26,260	535	£1,063,949
	remale	9	Ł3,043	51.L	Ł80,381	/3	£34,37U	38	±/1,200	90	£12,21U	38	£22,21U	40	£17,793	97	£4,895	406	Ł312, 108
Total	Male Female	35 12	£38,784 £5,866	142 144	£236,160 €106,843	107 128	£62,276 £62,893	65 54	£282,158 £78,182	180 80	£206,579 £82,061	84 43	£231,822 £25,102	134 57	£836,536 £21,444	30 29	£26,260 £6,011	777 547	£1,920,575 £388,402
	Total	47	£44,649	286	£343,003	235	E125,169	119	£360,340	260	£288,641	127	£256,924	191	£857,980	59	£32,271	1324	£2,308,977

Staff category	Supplement % c	of Grade	Arts and Humanities	Humanities and Social Sciences	Physical Sciences	Technology	Biological Sciences	Clinical Medicine	Council	General Board	Sub-Total	
	salary		R	μ	M	MF	M	MF	M	MF	M	% F
	/E 0/	6		2		2					2 2	50%
	% C<	10	-				-				9 - 6	100%
		6				11 2	. 1				15 5	25%
	>5% ≤10%	10				-	2				с С	25%
		5	4	7 7	- a	V		0			3 35 6	25%
		6	+	, -	-	t	-	4			8 -	100%
	>10% ≤15%	5			F		-				2	%0
		12		2	3	د .	2	1			7 3	30%
		o (-						33%
	>15% ≤20%	10		e			-				- 4	%0
		12		0 4			- 2				r 9	%0
	>20% ≤25%	6		-							F	100%
Academic		12		-		-					2	0% 700%
	>25% ≤30%	₽ ¢					-				-	100%
		2		2	-	-	-				- 4	%0
	>30% ≤35%	12				2					2	%0
	>35% ≤40%	6									-	%0
	-4007 -4E07	12		-		-					- c	0%
	>50% ≤55%	12				- 4					2 2	%0
		6				+					F	%0
	>55% ≤60%	11				-					£	%0
		12		-							-	%0
	>70% ≤75%	11				- c					. .	0%0
	>95% ≤100%	12		·		7					7 -	%0
	>165% ≤170%	12				1						%0
											£1,753,061 £164,291	
	AE 07	6		-					-		-	50%
	%.C≂	1							-		-	100%
		7				1			-		-	50%
		80							-		£	%0
	>5% ≤10%	6								-	-	%0
		10				-			2		с С	100%
		σ							°		~ ~	100%
	>10% ≤15%	10							-		-	100%
		12				۲			2 2		3 2	40%
Academic-related	1000/ 1000/	; 9							۰ م		ر	75%
		12							7 -		v .	%0
	>20% ≤25%	6							. ←			%0
	>25% ≤30%	11				F					1	100%
	2006 23E07	12										%0
	0/.00~ 0/.00~	n 1										%0
	>35% ≤40%	12										%0
	>45% ≤50%	12							3		3	%0
	>60% ≤65%	12							2		2	100%
	10 81	¢									£417,368 £239,319	
Assistant	≤5%	9					-				f f 820	100%
	≤5%	12				+	Ł				2	%0
	>5% <10%	11					1				÷	%0
		12					,	+			÷-	100%
Kesearcn	>10% ≤15%	- 1					-	-			-	100%
	>15% ≤20%	: 1				÷					. 2	%0
											1010 000 011 011	ſ

Table 11(a) Count of all staff in receipt of a market supplement as at 31 July 2014 by staff category, School (or equivalent), and gender



	Table 11(<i>b</i>) (Count	of all staff in	receipt of a	market pay a	ward as at 3	1 July 2014 I	by staff cateç	jory, School (oi	r equivalent), aı	nd gender	
Staff category	Supplement % of salary	Grade	Arts and Humanities	Humanities and Social Sciences	Physical Sciences	Technology	Biological Sciences	Clinical Medicine	Council	General Board	Sub-Total	
			MF	MF	MF	MF	MF	MF	M F	MF	M F	% F
	>15% ≤20%	12				+					1	%0
Acadomic	>20% ≤25%	11				1					1	%0
	>65% ≤70%	12				1					+	%0
											£95,074	
	≤5%	10				1					1	%0
	>E04 <1004	7	_			1					1	%0
Acadomic volated	0/01 < 0/0/	ი					-				-	%0
Academic-related	>10% ≤15%	10							2 2		2 2	50%
	>30% ≤35%	10	_						1		1	100%
											£19,884 £30,343	
											Malo Fomalo	
										Academic	0 (0 (

				2220		gend	ler				, (1,0,6,0,0), ,			"	
Staff category	Supplement % of Gra	Arts and Humanities ade	Humanities and Social Science	d Physical	Sciences	Technology	Biological Sciences	Clinical Medici.	e	Council	General E	soard	ns	b-Total	
	salary	LL E	L N	Σ	Ľ	L N	L E	Ľ	-	4	Σ	L	Σ	Ľ	% F
		6	-											۰. ۲	100%
	20% 20%	12 0	-				-		-					2	100%
		9 10				2	1 2						3	2	40% 0%
	>5% ≤10%	: = :	,						$\ $						
		12	-	7					+				3		25%
	>10% ≤15%1	2	-	-									-		%0
		0	-	-			Ŧ		_				. .	.	50% 33%
	1 2150% 2010%	10				-	-						N	-	02.20
		11					-						7 F	_	%0
	>20% <25%	3 6											-		2
Academic	0/07=0/07-	12	+										÷		%0
	>25% ≤30%	10					-						-		%0
	30% <35% 1	12	-			÷									%0
	2010 - 2010 2010 - 2010 2010 2010 - 2010 2010 2010 2010 2010 - 2010 2010 2010 2010 2010 20	6													20
	20% MO%	12				-							-		0%
	>40% ≤55% 1	12				1									%0
		6													
	>55% ≤60%	12													
	>70% ≤75% 1	11				+			-				-		%0
	>90% ≤95% 1	12							H						
	>95% ≤100% 1 >165% <170% 1	12							-					T	
													£317,260 £	48,657	
	≤5%	9 10													
		11 2													
		000													
	>5% ≤10%	- C												•	100%
		2 12											-		%0
		6								-				•	100%
	1 0%61< 0%01	12											-		100% 50%
Academic-relateo	1 2000	10								2				2	100%
	L 0%075 %012	12													
	>20% ≤25%	6							H						
	>25% ≤30%	12		-										T	
	>30% ≤35%	6													
	>35% ≤40%	11							*				~	Ť	%0
	>45% ≤50% 1	12							-						
	>60% ≤65% 1	12							H						
	< 50%	e e							_			T	£37,503 £.	47,625	
Assistant	0/07				T				$\left \right $						
	≤5% 1	12							$\mid \mid$						
	>5% ≤10%	12												T	
Research	>10% ≤15%	7					F						÷		%0
	~15% <20%	1		+				Ŧ	+					-	%U
	0/070 0/014			┥	+			-	+			Ī	-	+	U 70

School (or equivalent), and Ì ģ July 2014 by staff č and 2013 t -lweu Table 11(c) Count of all staff



	% F	%0	0%	0%		0%	0%	0%	20%	%00		
tal	5								5	ŕ	13	
Sub-To	ш								2	٢	£30,34	
	W	Ļ	٢	٢	£95,074	٢	٢	-	2		£19,884	
P	Ц											
ieral Boai												
Ger	Σ											
ci	ц								2	1		
Coune	W								2			
ine												
cal Medic												
Clini	Σ											
logical iences	ш											
Bio	Σ							-				
ology	ш											
Techn	M	Ļ	٢	1		-	1					
ciences	н											
nysical So	M											
and Pr	F											
manities cial Scier	V											
Hu So	~					_						
rts and manities	ш											
₹ Ħ	Σ											
Grade		12	11	12		10	7	6	10	10		
ement % of salary		5% ≤20%)% ≤25%	5% ≤70%		≤5%	0/ <100/	0/01<0/	0% ≤15%	3% ≤35%		
Iddns		>15	>2(¥9<			7		ľ	>3(
Staff category			Acadomic	Academic				Acadomic mistod	Academic-leiater			

Table 11(d) Count of all staff newly awarded market pay between 1 August 2013 and 31 July 2014 by staff category, School (or equivalent), and gender

	1					
Female	0	e	•	•	£30,343	
Male	°	5	0	0	£114,958	
I	Academic	Academic-related	Assistant	Research	Total Supplements	

	Arts and Humanities Physical Bonus range Grade Humanities Arts and Sciences	Arts and Humanities Physical Grade Humanities Cocial Sciences	Arts and Humanities Physical Humanities and Social Sciences	Humanities Physical and Social Sciences	Humanities Physical and Social Sciences	Physical Sciences	sical		Techno	ology	Biolog Scien	ical ces	Clinica Medicin	- 9	Council	ğ	eneral Board		sub-Tota	_
				Σ	ш	Sciences M F	Σ	L	Σ	L	Σ	L	Σ		Σ	ш.	L N	Σ	Ŀ	% F
Acadamic Enonomention Enonomention <th></th> <td>£160,000>£319,999</td> <td></td> <td>┝</td> <td></td> <td></td> <td></td> <td></td> <td></td>		£160,000>£319,999													┝					
		£80,000>£159,999																		
Academic 20000-5:9.999 12 1		£40,000>£79,999																		
E10.000-E19.999 E10.000-E1	Acceleratio	£20,000>£39,999	12						-									-		%0
	Academic	£10,000>£19,999																		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		£5,000>£9,999																		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		£2,000>£4,999																		
		0>£1,999																		
Antometation 10 1		£160 0005210 000	12		_										-	_		۲		%0
		E 100,000/E3 18,888	10												-			-		%0
Redemicrelated E40.000-E39.999 12 1 1 1 1 1 0% E10.000-E39.999 12 0 12 0 12 0 12 0 0% E5.000-E39.999 12 0 0 12 0 1 0 0% E5.000-E39.999 12 0 0 0 0 1 1 0% E5.000-E319.999 12 0 0 0 1 1 0% 0% 0000-E319.999 12 0 0 0 1 1 0% 0% 0000-E319.999 0 0 0 0 0 0 0 0 0% E30.000-E319.999 0 </td <th></th> <td>£80,000>£159,999</td> <td>12</td> <td></td> <td>-</td> <td></td> <td></td> <td>-</td> <td></td> <td>%0</td>		£80,000>£159,999	12												-			-		%0
Cademic-related E20,000-E39,999 12 1 0% 1 0% 1 0% F010000-E19,999 9 12 1 1 1 1 0% F010000-E19,999 9 1 1 1 1 1 0% F010000-E19,999 9 1 1 1 1 1 0% P000-E19,999 1 1 1 1 1 1 1 0% P000-E19,999 1 1 1 1 1 1 1 0% P000-E19,999 1 1 1 1 1 1 1 0% F0000-E19,999 1		£40,000>£79,999	12												-			-		%0
E10,000-E19,999 9 1 2 0 2 0% E5,000-E9,999 12 0 1 0 1 0 1 0% E5,000-E9,999 12 0 <th>Academic-related</th> <td>£20,000>£39,999</td> <td>12</td> <td></td> <td>-</td> <td></td> <td></td> <td>-</td> <td></td> <td>%0</td>	Academic-related	£20,000>£39,999	12												-			-		%0
		£10,000>£19,999	6												2			7		%0
		£5,000>£9,999	12												-			-		%0
		£2,000>£4,999	6											-					-	100%
E160,000>E159,999 E160,000>E159,999 E160,000>E159,999 E160,000>E159,999 E160,000>E159,999 E160,000>E159,999 E160,000		0>£1,999																		
F80,000>E159.999 E80,000>E159.999 E <		£160,000>£319,999			-								_		-	_				
E40,000-E79,999 E40,000-E79,999 E		£80,000>£159,999																		
F20,000-E39,999 E20,000-E39,999 E20,000-E39,999 E10,000-E19,999 E10,000-E1		£40,000>£79,999																		
Assistant Staff E10,000>E19,999 I		£20,000>£39,999																		
Assistant Staff E5,000>E4,999 5 0 1 0 1 0 0 1 0<		£10,000>£19,999																		
E2,000-E4,999 5 0 1 1 0 0 E2,000-E4,999 3 0 0 1 0 1 0 0 2 0 <th>Assistant Staff</th> <td>£5,000>£9,999</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Assistant Staff	£5,000>£9,999									-									
E2,000>E4,999 4 9 9 1 1 1 1 0% 2 0 3 0			5												-			-		%0
z2,000-z4,033 3 1 2 2 2 0% 2 2 1 1 2 1 2 0% 2 3 1			4								-				-			-		%0
2 2 1 5 5 6% 0>£1,999 3 1		FE,000/FF,000	ო								-				2			2		%0
0>£1,999 3 1 1 1 1 1 1 1 1 1 1 10% otal 1 1 1 1 1 10%			2												5			5		0%
otal 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0>£1,999	3														1		1	100%
	otal				$\left \right $													18	2	

Table 12 Staff in receipt of bonus payments* made during the 2013–14 financial year (1 August 2013 – 31 July 2014)

* Where bonuses have been paid more than once a year this data refers to the total amount paid to one individual, over the time period, as a count of 1. ** No Research Staff are recorded in receipt of bonus payments.

VACANCIES, APPOINTMENTS, ETC.

Vacancies in the University

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

Clinical Lecturer in Experimental Medicine (Nephrology/Vasculitis) in the Department of Medicine; salary: £31,301–£54,199; tenure: four years; closing date: 19 August 2015; further particulars: http://www.jobs.cam.ac.uk/ job/7639; quote reference: RC06661

Clinical Lecturer in Paediatrics in the Department of Paediatrics; salary: £31,301–£54,199; tenure: four years; closing date: 30 July 2015; further particulars: http://www.jobs.cam.ac.uk/job/7359; quote reference: RP06407

Clinical Lecturer in Renal Medicine in the Department of Medicine; salary: £31,301–£54,199; tenure: four years; closing date: 17 August 2015; further particulars: http://www.jobs.cam.ac.uk/job/7607; quote reference: RC06636

NIHR Clinical Lecturer in the Department of Pathology; salary: £31,301–£54,199; tenure: four years; closing date: 23 August 2015; further particulars: http://www.jobs.cam.ac.uk/job/7646; quote reference: PK06668

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.

Appointments, reappointments, and grants of title

The following appointments, reappointments, and grants of title have been made:

APPOINTMENTS

Readers

- Education. Dr Ricardo Sabates Aysa, M.Sc., Ph.D., Wisconsin-Madison, USA, appointed from 1 October 2015 until the retiring age.
- Medical Genetics. Dr Leonardo Bottolo, B.Sc., Udine, Italy, Ph.D., Trento, Italy, appointed from 2 November 2015 until the retiring age.

University Lecturers

- *Earth Sciences.* Dr Helen Mfanwy Williams, B.A., *N*, Ph.D., *Open*, appointed from 1 January 2016 until the retiring age and subject to a probationary period of five years.
- History. Dr Gabriel Noah Glickman, M.A., M.Phil., Ph.D., PEM, appointed from 1 October 2015 until the retiring age and subject to a probationary period of three years.
- Law. Dr Surabhi Ranganathan, Ph.D., JN, B.A. LL.B., National Law School of India University, LL.M., New York, appointed from 1 October 2015 until the retiring age and subject to a probationary period of five years.
- Sociology. Dr Ella Elizabeth McPherson, M.Phil., Ph.D., *PEM*, B.A., *Princeton*, appointed from 1 September 2015 until the retiring age and subject to a probationary period of five years.

Assistant Director of Studies

Public Health and Primary Care. Dr Alexandra Sophie Davidson, B.Sc., M.B.B.S., London, MRCP (UK), appointed from 25 May 2015 until 24 May 2018 and subject to a probationary period of twelve months.

Clinical Lecturer

Medicine. Dr Adam John Dunbar Brown, M.B. B.Chir., *Q*, B.Sc., *St Andrews*, KBA in Cardiology, *British Cardiovascular Society*, MRCP, RCP, BCIS, appointed from 1 August 2015 until 31 July 2019 and subject to a probationary period of twelve months.

Heads of Department

Chemical Engineering and Biotechnology. Professor John Dennis, S*E*, appointed from 1 October 2015 for five years. *Chemistry.* Professor John Pyle, *CTH*, appointed from 1 October 2015 for three years.

Clinical Neurosciences. Professor Patrick Chinnery, appointed from 1 October 2015 for five years.

History and Philosophy of Science. Professor Liba Taub, N, appointed from 1 September 2015 for three years.

Oncology. Professor Richard Gilbertson, appointed from 1 August 2015 for five years.

Paediatrics. Professor David Rowitch, appointed from 1 October 2015 for five years.

817 CAMBRIDGE UNIVERSITY REPORTER

Acting Heads of Department/Acting Director of Institute

Institute of Astronomy. Professor Andrew Fabian, *DAR*, appointed from 1 October 2015 for two years. *Clinical Neurosciences.* Professor Alasdair Coles, *CC*, appointed from 1 September 2015 for one month. *Pharmacology.* Dr Robert Henderson, *EM*, appointed from 1 October 2015 for one year.

Deputy Heads of Department

Chemical Engineering and Biotechnology. Dr Patrick Barrie, *EM*, appointed from 1 April 2015 for three years. *Oncology.* Dr Anna Philpott, *CL*, appointed from 1 August 2015 for one year. *Genetics.* Dr David Summers, *CAI*, appointed from 1 October 2015 for three years.

Senior Assistant Registrary

University Offices (Office of External Affairs and Communications). Mr Andrew James Aldridge, B.A., London, CIPR, appointed from 1 July 2015 until the retiring age and subject to a probationary period of nine months.

Assistant to the Director

Hamilton Kerr Institute. Ms Mary Elaine Kempski, B.A., Reading, has been granted the title of Assistant to the Director from 1 June 2015 until the retiring age.

Departmental Secretary

Botanic Garden. Ms Rachel Louise Agnew, appointed from 1 July 2015 until the retiring age.

Administrative Officer

University Offices (Legal Services). Mr James David Morgan, B.Sc., *Bristol*, Pg. Dip., *College of Law*, appointed from 21 September 2015 until the retiring age and subject to a probationary period of nine months.

REAPPOINTMENTS

Associate Lecturer

Clinical Medicine. Dr Joseph Cheriyan reappointed from 1 July 2015 to 30 June 2020.

Clinical Lecturer

Medicine. Dr Benjamin Challis reappointed from 1 April 2015 to 30 March 2017.

Head of Department

Pharmacology. Professor John Edwardson, CHR, reappointed from 1 October 2015 for five years.

Deputy Head of Department

Biochemistry. Professor Christopher Howe, CC, reappointed from 1 October 2015 for three years.

GRANTS OF TITLE

Affiliated Lecturers

- *Biochemistry*. Dr John McCafferty has been granted the title of Affiliated Lecturer from 1 October 2015 for two years. Dr Karen Lipkow, *CL*, has been granted the title of Affiliated Lecturer from 1 October 2015 for a further two years.
- *Continuing Education*. Mr Michael Fordham has been granted the title of Affiliated Lecturer from 1 October 2015 for two years.

Engineering. Mr Simon Smith has been granted the title of Affiliated Lecturer from 11 May 2015 until 30 June 2016.

- *Music.* Dr Edward Wickham, *CTH*, has been granted the title of Affiliated Lecturer from 1 October 2015 for a further two years.
- Pathology. Dr Thomas David Kay Brown has been granted the title of Affiliated Lecturer from 1 October 2015 for a further two years.
- *Physiology, Development, and Neuroscience.* Dr Colin Adrian Roberts, *SID*, has been granted the title of Affiliated Lecturer from 1 October 2015 for a further two years.
- *Plant Sciences.* Dr Peter David Carey, Dr Drew William Purves, and Professor Jonathan Andrew Napier have been granted the title of Affiliated Lecturer from 1 October 2015 for a further two years.
- *Psychiatry*. Dr Pradeep J. Nathan, *W*, has been granted the title of Affiliated Lecturer from 1 August 2015 for a further two years.

NOTICES BY THE GENERAL BOARD

Senior Academic Promotions, 1 October 2015 exercise: appointments and titles

In their Report on Senior Academic Promotions dated 8 June 2015 (*Reporter*, 6390, 2014–15, p. 625), the General Board recommended the establishment of 39 Professorships and 41 Readerships. In Paragraph 5 it was stated that the Board would announce the titles at a later date after consultation with the individuals concerned. The recommendations of the Report were approved by Grace 3 of 15 July 2015. The following list of appointments includes the titles that have been agreed.

PROFESSORSHIPS

With effect from 1 October 2015

School of Arts and Humanities

Dr CATHERINE PICKSTOCK, EM, appointed Professor of Metaphysics and Poetics in the Faculty of Divinity

Dr MAIRE NI MHAONAIGH, JN, appointed Professor of Celtic and Medieval Studies in the Department of Anglo-Saxon, Norse, and Celtic

Dr NICHOLAS MARSTON, K, appointed Professor of Music Theory and Analysis in the Faculty of Music

School of the Biological Sciences

Dr JAMES HASELOFF appointed Professor of Synthetic Biology in the Department of Plant Sciences Dr LISA SAKSIDA, N, appointed Professor of Cognitive Neuroscience in the Department of Psychology

School of Clinical Medicine

Dr MATTHEW SEAMAN, *W*, appointed Professor of Cell and Membrane Biology in the Department of Clinical Biochemistry Dr JAMES ROWE, *CL*, appointed Professor of Cognitive Neurology in the Department of Clinical Neurosciences

Dr NICOLE SORANZO appointed Professor of Human Genetics in the Department of Haematology

Dr FRANCES RAYMOND, JN, appointed Professor of Medical Genetics and Neurodevelopment in the Department of Medical Genetics

Dr ANNA PHILPOTT, *CL*, appointed Professor of Cancer and Developmental Biology in the Department of Oncology Dr Ludovic Vallier appointed Professor of Regenerative Medicine in the Department of Surgery

School of the Humanities and Social Sciences

Dr ANTONY LAWSON, K, appointed Professor of Economics and Philosophy in the Faculty of Economics

- Dr PAMELA BURNARD, HO, appointed Professor of Arts, Creativities, and Education in the Faculty of Education
- Dr KEITH TABER, HO, appointed Professor of Science Education in the Faculty of Education
- Dr ANDREW PRESTON, CL, appointed Professor of American History in the Faculty of History
- Dr SUSAN BAYLY, CHR, appointed Professor of Historical Anthropology in the Department of Archaeology and Anthropology

Dr JAMES LAIDLAW, K, appointed Professor of Social Anthropology in the Department of Archaeology and Anthropology

Dr JOHN ROBB, F, appointed Professor of European Prehistory in the Department of Archaeology and Anthropology

- Dr MARIE LOUISE SØRENSEN, JE, appointed Professor of Prehistoric Europe and Heritage Studies in the Department of Archaeology and Anthropology
- Dr MARK CHRISTOPHER ELLIOTT, CTH, appointed Professor of Public Law in the Faculty of Law

Dr NIGEL SIMMONDS, CC, appointed Professor of Jurisprudence in the Faculty of Law

- Mr DAVID HOWARTH, CL, appointed Professor of Law and Public Policy in the Department of Land Economy
- Dr ANDREAS KONTOLEON, DAR and T, appointed Professor of Environmental Economics and Public Policy in the Department of Land Economy

School of the Physical Sciences

Dr TIMOTHY HOLLAND appointed Professor of Metamorphic Petrology in the Department of Earth Sciences

- Dr COLM-CILLE CAULFIELD, CHU, appointed Professor of Environmental and Industrial Fluid Dynamics in the Department of Applied Mathematics and Theoretical Physics
- Dr NATHANAEL BERESTYCKI, K, appointed Professor of Probability in the Department of Pure Mathematics and Mathematical Statistics

Dr CAUCHER BIRKAR appointed Professor of Mathematics in the Department of Pure Mathematics and Mathematical Statistics Dr MELINDA DUER, *R*, appointed Professor of Biological and Biomedical Chemistry in the Department of Chemistry

Dr TUOMAS KNOWLES, JN, appointed Professor of Physical Chemistry and Biophysics in the Department of Chemistry

Dr OREN SCHERMAN, *JE*, appointed Professor of Supramolecular and Polymer Chemistry in the Department of Chemistry Dr CATHERINE RAE. *EM*, appointed Professor of Superallovs in the Department of Materials Science and Metallurgy

Dr CATHERINE RAE, *EM*, appointed Professor of Superanoys in the Department of Materials Science and Metanurgy Dr METE ATATURE, *JN*, appointed Professor of Physics in the Department of Physics

Dr JOHN RICHER, DOW, appointed Professor of Physics in the Department of Physics

819 CAMBRIDGE UNIVERSITY REPORTER

School of Technology

Dr SHAHZAD ANSARI, *ED*, appointed Professor of Strategy and Innovation in the Judge Business School Dr ALAN BLACKWELL, *DAR*, appointed Professor of Interdisciplinary Design in the Computer Laboratory Dr CHRISTOPHER BURGOYNE, *EM*, appointed Professor of Structural Engineering in the Department of Engineering Dr ANDREW FLEWITT, *SID*, appointed Professor of Electronic Engineering in the Department of Engineering Dr MATTHEW JUNIPER, *T*, appointed Professor of Thermofluid Dynamics in the Department of Engineering Dr DAVID IAN WILSON, *JE*, appointed Professor of Soft Solids and Surfaces in the Department of Chemical Engineering and Biotechnology

READERSHIPS

With effect from 1 October 2015

School of Arts and Humanities

Dr ALYCE MAHON, *T*, appointed Reader in Modern and Contemporary Art in the Department of History of Art Dr ALEXANDER MARR, *TH*, appointed Reader in the History of Early Modern Art in the Department of History of Art Dr BARAK KUSHNER, *CC*, appointed Reader in Japanese History in the Department of East Asian Studies Dr RENAUD GAGNE, *PEM*, appointed Reader in Ancient Greek Literature and Religion in the Faculty of Classics Dr SIMON GATHERCOLE, *F*, appointed Reader in New Testament Studies in the Faculty of Divinity Dr JUDITH QUINN, *N*, appointed Reader in Old Norse Literature in the Department of Anglo-Saxon, Norse, and Celtic Dr SAMUEL BARRETT, *PEM*, appointed Reader in Early Medieval Music in the Faculty of Music Mr RICHARD CAUSTON, *K*, appointed Reader in Composition in the Faculty of Music

School of the Biological Sciences

Dr LAURA ITZHAKI, N, appointed Reader in Protein Engineering and Molecular Therapeutics in the Department of Pharmacology

Dr SIMONE SCHNALL, *JE*, appointed Reader in Experimental Social Psychology in the Department of Psychology Dr SIMON DAVID WILLIAM FROST appointed Reader in Pathogen Dynamics in the Department of Veterinary Medicine

School of Clinical Medicine

Dr FRANK REIMANN appointed Reader in Endocrine Signalling in the Department of Clinical Biochemistry

- Dr ROBERT SEMPLE, *CL*, appointed Reader in Endocrinology and Metabolism in the Department of Clinical Biochemistry Dr MARC TISCHKOWITZ appointed Reader in Medical Genetics in the Department of Medical Genetics
- Dr MANJINDER SANDHU, CAI, appointed Reader in Global Health and Population Sciences in the Department of Medicine

School of the Humanities and Social Sciences

Dr SARA HENNESSY appointed Reader in Teacher Development and Pedagogical Innovation in the Department of Education

Dr NORA BEREND, CTH, appointed Reader in European History in the Faculty of History

Dr MARY WEBBER, T, appointed Reader in Palaeography in the Faculty of History

Dr JAY STOCK, DOW, appointed Reader in Human Evolution and Adaptability in the Department of Archaeology and Anthropology

Dr ANITA HERLE, Q, appointed Reader in Museum Anthropology in the Museum of Archaeology and Anthropology

Dr MAHA ABDEL RAHMAN appointed Reader in Development Studies and Middle East Politics in the Department of Politics and International Studies

Dr DUNCAN BELL, CHR, appointed Reader in Political Thought and International Relations in the Department of Politics and International Studies

Dr JUDITH BROWNE, *K*, appointed Reader in Gender and Politics in the Department of Politics and International Studies Dr ALBERTINA ALBORS-LLORENS, *JN*, appointed Reader in European Union Law in the Faculty of Law

Dr JOHN ALLISON, Q, appointed Reader in Public Law and Comparative Historical Jurisprudence in the Faculty of Law Dr BENJAMIN CREWE, R, appointed Reader in Penology in the Institute of Criminology

School of the Physical Sciences

Dr MARIE EDMONDS, Q, appointed Reader in Volcanology and Petrology in the Department of Earth Sciences

Dr ALEXANDRA TURCHYN, TH, appointed Reader in Biogeochemistry in the Department of Earth Sciences

Dr ALEXANDER JEFFREY, EM, appointed Reader in Human Geography in the Department of Geography

Dr STEPHEN EGLEN appointed Reader in Computational Neuroscience in the Department of Applied Mathematics and Theoretical Physics

Dr ERIC LAUGA, *T*, appointed Reader in Applied Mathematics in the Department of Applied Mathematics and Theoretical Physics

Dr CAROLA-BIBIANE SCHOENLIEB, JE, appointed Reader in Applied and Computational Analysis in the Department of Applied Mathematics and Theoretical Physics

Dr MATTHEW WINGATE, F, appointed Reader in Theoretical Physics in the Department of Applied Mathematics and Theoretical Physics

Dr ERWIN REISNER, JN, appointed Reader in Energy and Sustainability in the Department of Chemistry

Dr CLAUDIO CASTELNOVO, T, appointed Reader in Theoretical Physics in the Department of Physics

820 CAMBRIDGE UNIVERSITY REPORTER

School of Technology

Dr HOUYUAN JIANG appointed Reader in Management Science in the Judge Business School Dr ANDREW MOORE, *CC*, appointed Reader in Systems in the Computer Laboratory Dr HUGH HUNT, *T*, appointed Reader in Engineering Dynamics and Vibration in the Department of Engineering Dr MATTHEW JONES, *DAR*, appointed Reader in Information Systems in the Department of Engineering Dr JOAN LASENBY, *T*, appointed Reader in Signal Processing in the Department of Engineering Dr KEITH SEFFEN, *CC*, appointed Reader in Structural Mechanics in the Department of Engineering

Review of examinations

29 July 2015

The General Board's Education Committee and the Board of Examinations have established a working group to conduct a review of examination processes and strategies. This review will include all examinations, except oral examinations and examinations by thesis, and will deliver a long-term plan that will set the future direction on examination policy and operations for the Collegiate University.

Professor Graham Virgo (Pro-Vice-Chancellor for Education) chairs the working group that, for 2015–16, includes:

- Dr Rachael Padman (a member of the Council and the General Board);
- Dr David Woodman (Senior Proctor, 2014-15);
- Dr Elisabete Silva (a member of the Board of Examinations);
- Dr Marina Frasca-Spada (Senior Tutor, Corpus Christi College);
- Dr Nicholas Holmes and Dr Fiona Green (Chairs of Examiners);
- Mr Robert Cashman (CUSU Education Officer, 2015-16);
- Ms Catherine Fage, Secretary (Secretary to the Board of Examinations, Head of Student Registry);
- Dr Holly Tilbrook, Assistant Secretary (Deputy Head of Education and Student Policy).

In the academical year 2015–16, the working group will focus on how we assess and alternative examination arrangements and adjustments (such as alternative modes of assessment and extension to the duration of the examination) and will consider the questions identified below. To inform its work, the working group would welcome views on the following questions:

(a) Assessment:

The General Board's general policy is that the three-hour written paper should be the main basis of summative assessment of Tripos performance.

- (i) Written examinations: Should a three-hour written examination remain the primary mode of assessment for the Tripos?
- (ii) Assessment: What other modes of assessment should be used? Current examples include, but are not restricted to: dissertation, reports, long essays, multiple-choice questions.
- (iii) Examination load: Are we over-examining our students?
- (iv) Ratio of modes of assessment: Should there be a preferred ratio between written examination and other types of assessment, and what should it be? The General Board's general policy is that normally no more than c. 30–35% of an examination should be by other forms of assessment.
- (v) *Formative and summative feedback*: Should Departments and Faculties be encouraged to provide written formative feedback on all modes of assessment, including summative examinations?
- (vi) Resits: Should the University reconsider its policies on resits and resubmissions?
- (vii) Use of technology: Should the University investigate the replacement of written examinations with examinations taken on computers?

(b) Alternative examination arrangements and reasonable adjustments:

The University is committed to ensuring that disabled students are assessed appropriately 'to ensure that they have the same opportunity as their peers to demonstrate the achievement of learning outcomes' (QAA Code of Practice for Disabled Students). This is captured in the General Board's *Code of Practice: reasonable adjustments for disabled students*¹. The *Guides for Colleges*² outline some of the procedures.

- (i) *Policies*: What are the strengths and weaknesses in the University's current policies to ensure that alternative examination arrangements and adjustments are fair and reasonable and meet its legislative obligations?
- (ii) Procedures: What are the strengths and weaknesses in our current procedures for alternative examination arrangements and reasonable adjustments? Should Colleges be expected to accommodate alternative examination arrangements?
- (iii) Use of technology: What should be the requirements and processes for using technology in examinations for those who require alternative examination arrangements? Are the existing arrangements considered to be fair or to give students who are allowed such arrangements an unfair advantage?

Responses should be sent to the Secretary by email, examreview@admin.cam.ac.uk, before 1 November 2015. The responses will be circulated to the working group and to its sub-committees and will inform future direction and delivery of examinations.

- $^1\ http://www.admin.cam.ac.uk/offices/education/support/reasonable_adjustments.pdf.$
- ² http://www.student-registry.admin.cam.ac.uk/examinations-further-guidance-staff/colleges/guides-colleges.

REGULATIONS FOR EXAMINATIONS

Asian and Middle Eastern Studies Tripos, Parts IB and II

(Statutes and Ordinances, p. 288)

With effect from 1 October 2015

The General Board, on the recommendation of the Faculty Board of Asian and Middle Eastern Studies, have approved amendments to the regulations governing Parts IB and II of the Tripos, in order to clarify that candidates taking Middle Eastern Studies, or Middle Eastern Studies with a Modern Language, may offer no more than two language papers in each Part.

PART IB

Regulation 19.

(b) Middle Eastern Studies

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

Provided that no more than two languages may be offered in total, candidates shall offer:

(c) Middle Eastern Studies with a Modern Language

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

Provided that no more than two languages may be offered in total, candidates shall offer:

Part II

Regulation 22.

(e) Middle Eastern Studies

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

Provided that no more than two languages may be offered in total, candidates shall offer:

The Faculty Board of Asian and Middle Eastern Studies have confirmed that no candidate's preparation for the examination in 2016 will be affected.

English Tripos (New Regulations), Part I

(Statutes and Ordinances, p. 338)

With effect from 1 October 2015

The General Board, on the recommendation of the Faculty Board of English, have approved an amendment to the regulations for the Tripos so as to allow fifteen minutes' reading time for Papers 9A and 9B.

Regulation 14.

By amending the last sentence of the regulation so as to read:

Every paper shall be set for three hours except Papers 1 and 3 which shall be set for three and a half hours, and Papers 9A and 9B which shall be set for three hours and fifteen minutes, to include fifteen minutes' reading time.

The Faculty Board of English are satisfied that no candidate's preparation for the examination in 2016 will be adversely affected.

Historical Tripos

(Statutes and Ordinances, p. 347)

With effect from 1 October 2015

The General Board, on the recommendation of the Faculty Board of History, have approved amendments to the regulations to give effect to changes made by Grace 8 of 15 July 2015 to the privileges for Affiliated Students concerning the Historical Tripos.

Regulation 6.

By removing the words 'as allowed by the Faculty Board'.

Regulation 14.

By replacing the words 'been given leave by the Faculty Board to take' with the words 'the right to take' in paragraph (a) and by rescinding paragraph (b)(iii).

Regulation 16.

By rescinding paragraph (b)(vi) and renumbering the remaining paragraphs.

Human, Social, and Political Sciences Tripos, Parts IIA and IIB

(Statutes and Ordinances, p. 355)

With effect from 1 October 2015

The General Board, on the recommendation of the Faculty Board of Human, Social, and Political Science, have approved the reinstatement of Paper POL6 for the academical year 2015–16.

Regulation 15.

POLITICS AND INTERNATIONAL RELATIONS

By adding 'POL6. Statistics and methods' to the list of papers with a footnote that reads:

This paper is available in 2015–16 but only to candidates in Part IIB if they did not take it in Part IIA.

Regulation 18(c)(iii).

By amending the paragraph concerning options for candidates in Politics and International Relations as follows (retaining all existing footnotes and repeating the above footnote attached to POL6):

(iii) either one paper chosen from ARC8–33, BAN2–4, BAN6–9, SAN8–12, SOC6–15, Paper 7 or Paper 10 for the subject History and Philosophy in Part II of the Natural Sciences Tripos, or a further paper chosen from POL6, POL10–19.

Land Economy Tripos

(Statutes and Ordinances, p. 365)

With effect from 1 October 2015

The General Board, at the request of the Board of Land Economy, have approved an amendment to the regulations so as to remove the project requirement for Paper 6, which shall instead be assessed by a three-hour examination only.

Regulation 12.

By removing the reference to Paper 6 in the final sentence of the regulation.

Natural Sciences Tripos, Part II

(Statutes and Ordinances, p. 405)

With effect from 1 October 2015

The General Board, on the recommendation of the Committee of Management for the Natural Sciences Tripos, have approved a change to the regulations concerning the examination requirements for Zoology, to remove the requirement for a written paper of two hours' duration.

Regulation 30.

Zoology

By deleting paragraph (b) and renumbering the remaining paragraphs and references.

Examination in Micro- and Nanotechnology Enterprise for the M.Phil. Degree

(Statutes and Ordinances, p. 537)

With effect from 1 October 2015

The General Board, on the recommendation of the Degree Committee for the Faculty of Physics and Chemistry, have approved a change to the regulations to allow the oral examination, at the discretion of the examiners, to cover the field of any of a candidate's submitted or examined work, by amending Regulation 3 so as to read:

3. The examination shall include an oral examination on the thesis and, at the discretion of the examiners, on other work submitted by the candidate under Regulation 2(a)-(c) and the general field of knowledge within which they and the thesis fall.

NOTICES BY FACULTY BOARDS, ETC.

Economics Tripos

(Statutes and Ordinances, p. 316)

With effect from 1 October 2015

The Faculty Board of Economics give notice of changes to the supplementary regulations for the Tripos, so as to update the references to borrowed papers in the descriptions of Papers 16 and 17 as follows:

SUPPLEMENTARY REGULATIONS

Part IIb

Paper 16. A subject in sociology II (Paper SOC12 of the Human, Social, and Political Sciences Tripos in any year that the subject of that paper is 'Modern Britain')

Candidates for this paper who are taking the Economics Tripos shall be examined by written examination.

Paper 17. A subject in the field of sociology and politics

Until further notice the subjects specified for this paper, from which candidates are required to select one, will be

- (a) A subject in politics and international relations II (Paper POL13 of the Human, Social, and Political Sciences Tripos in any year that the subject of that paper is 'The politics of Europe');
- (b) A subject in sociology IV (Paper SOC9 of the Human, Social, and Political Sciences Tripos in any year that the subject of that paper is 'The political economy of capitalism');
- (c) The family (Paper PBS 11 of the Psychological and Behavioural Sciences Tripos).

Historical Tripos, Part II, 2016

The Faculty Board of History give notice that they have amended their announcement of special and specified subjects for Part II of the Historical Tripos, 2016, as published on 16 July 2014 (*Reporter*, 6355, 2013–14, p. 736) and 7 May 2015 (*Reporter*, 6385, 2014–15, p. 526), as follows:

By adding the following to the list of Special Subjects for Papers 2 and 3:

The culture of the miraculous in Renaissance Italy (G)

Human, Social, and Political Sciences Tripos, Part II, 2015–16

The Faculty Board of Human, Social, and Political Science give notice of the following papers which are offered, and those which are not offered, for Part II of the Human, Social, and Political Sciences Tripos in the academical year 2015–16:

Archaeology courses available in 2015–16:

ARC2.	Archaeology in action I (also serves as Paper O12 of the Classical Tripos)
	This paper will be assessed by three pieces of coursework, counting for 30% of the final mark, and one three-hour examination, counting for 70% of the final mark. The examination will be divided into two parts. Candidates will be required to answer five of eight short answer questions in the first part, and they will be required to answer two of eight long answer (essay) questions in the second part. The short answer questions will be worth 40% of the final examination mark, and each of the long answer (essay) questions will be worth 30% of the final examination mark.
ARC6.	Archaeological theory and practice I
	The examination for this paper will take the form of a three-hour examination paper, worth 80% of the overall mark, a fieldtrip report worth 10% of the overall mark, and participation in a training excavation, worth 10% of the overall mark. If the candidate is a joint track student not participating in the fieldtrip or training dig, they need to submit an artefact-based project. This will count for 20% of the overall mark.
ARC7.	Archaeological theory and practice II
	The examination for this paper will take the form of a three-hour examination paper, worth 80% of the overall mark, 10% for one report on summer fieldwork, and 10% for one written project.
ARC8.	Archaeological science I
	The examination for this paper will take the form of a three-hour examination paper, worth 80% of the overall mark, and completion of a practical workbook worth 20% of the overall mark.
ARC9.	Archaeological science II
	The examination for this paper will take the form of a three-hour examination paper, worth 70% of the overall mark, one assessed essay worth 5% of the overall mark, and a further project worth 25% of the overall mark.
ARC10.	The Palaeolithic of the Old World
	The examination for this paper will take the form of a three-hour examination paper, worth 70% of the overall mark, one project worth 20% of the overall mark, and one practical examination worth 10% of the overall mark.
ARC11.	Topics in Palaeolithic archaeology
	The examination for this paper will take the form of a three-hour examination paper, worth 80% of the overall mark, and one project worth 20% of the overall mark.
ARC12.	European prehistory
	The examination for this paper will take the form of a three-hour examination paper, worth 80% of the overall mark, and one project worth 20% of the overall mark.
ARC13.	Special topics in European prehistory
	The examination for this paper will take the form of a three-hour examination paper, worth 80% of the overall mark, and one project worth 20% of the overall mark.
ARC14.	Aegean prehistory (Paper D1 of the Classical Tripos)
	The Classics Faculty are responsible for approving the form and conduct for ARC14.
ARC15.	A topic within classical archaeology and/or art: The art of collecting (<i>Paper D2 of the Classical Tripos</i>)
	The Classics Faculty are responsible for approving the form and conduct for ARC15.
ARC16.	A topic within classical archaeology and/or art: The poetics of classical art (<i>Paper D3 of the Classical Tripos</i>)
	The Classics Faculty are responsible for approving the form and conduct for ARC16.
ARC17.	A topic within classical archaeology and/or art: Roman cities (<i>Paper D4 of the Classical Tripos</i>) The Classics Faculty are responsible for approving the form and conduct for ARC17.
ARC19.	Ancient Egypt in context: an archaeology of foreign relations
	The examination for this paper will take the form of a three-hour examination paper, worth 80% of the overall mark, and a project worth 20% of the overall mark.
ARC21.	The archaeology of death and burial in ancient Egypt
	The examination for this paper will take the form of a three-hour examination paper, worth 80% of the overall mark, and a project worth 20% of the overall mark.
ARC23.	Mesopotamian archaeology II: Territorial states to empires
	The examination for this paper will take the form of a three-hour examination paper, worth 80% of the overall mark, and a short notes and images test worth 20% of the overall mark.

825 CAMBRIDGE UNIVERSITY REPORTER

ARC24.	Mesopotamian culture I: literature
	The paper will be assessed by a three-hour examination in which candidates are required to answer three questions from a choice of twelve. The questions will be of equal weight.
ARC26.	The North Sea in the early middle ages (also serves as Paper 14 of ASNC Part I)
	The examination for this paper will take the form of a three-hour examination paper, worth 80% of the overall mark, and a project worth 20% of the overall mark.
ARC27.	Europe in Late Antiquity and the Migration Period (also serves as Paper 15 of ASNC Part 1)
	The examination for this paper will take the form of a three-hour examination paper, worth 80% of the overall mark, and a project worth 20% of the overall mark.
ARC30.	Ancient India II: Early historic cities of South Asia
	The examination for this paper will take the form of a three-hour examination paper, worth 80% of the overall mark, and a project worth 20% of the overall mark.
ARC31.	Ancient South America
	The examination for this paper will take the form of a three-hour examination paper, worth 80% of the overall mark, and a project worth 20% of the overall mark.
ARC33.	The archaeology of Africa
	The examination for this paper will take the form of a three-hour examination paper, worth 100% of the overall mark.
ARC34.	Akkadian language II
	The paper will be assessed by a three-hour examination. All questions will be compulsory. Their number and relative weighting will vary from year to year. The 'percentage weight' of each question will be specified in the paper. Candidates will be required to transliterate and/or translate and/or normalize passages from the set texts and/or unseen passages, justifying their translations of difficult words or constructions with notes. Comment and/or parsing may be required for particular forms.
ARC37.	Egyptian language II
	This paper is assessed solely through a three-hour written examination, which requires the transliteration and translation of three passages in hieroglyphic Middle Egyptian. Two passages are taken from the set texts, which are specified at the beginning of the year; a third passage is selected from an unseen text commensurate to the level of difficulty of the seen passages. In addition to requiring the transliteration and translation of a passage, each question will also require brief comment on specific grammatical/linguistic features in the passage, and/or its historical context and significance. All three questions are compulsory, and their relative weighting is as follows: Question 1: 34%; Question 2: 33%; and Question 3: 33%.

Archaeology courses NOT available in 2015–16:

ARC18.	The historical archaeology of Ancient Egypt I
ARC20.	Ancient Egyptian religion I
ARC22.	Mesopotamian archaeology I: prehistory and early states
ARC25.	Mesopotamian culture II: religion and scholarship
ARC28.	The archaeology of medieval Britain (also serves as Paper 11 of Part II of the History Tripos)
ARC29.	Ancient India I: the Indus civilization and beyond
ARC32.	The archaeology of Mesoamerica and North America
ARC35.	Akkadian language III
ARC36.	Sumerian language

Biological Anthropology courses available in 2015–16:

PART IIA

- BAN2. A subject in biological anthropology I: behavioural ecology
- BAN3. A subject in biological anthropology II: human origins
- BAN4. A subject in biological anthropology III: health and disease

Part IIb

BAN5.	Theory and practice in biological anthropology
BAN6.	A subject in biological anthropology IV: human diversity and adaptation
BAN7.	A subject in biological anthropology V: advanced behaviour

Notes: BAN6 and BAN7 will have NO foundation requirements and can be taken by any HSPS or NST student regardless of the papers they have already taken.

826 CAMBRIDGE UNIVERSITY REPORTER

Biological Anthropology courses NOT available in 2015–16:

BAN8.	A subject in biological anthropology VI
BAN9.	A subject in biological anthropology VI

Politics and International Relations courses available in 2015–16:

PART IIA

POL3.	International relations II
POL4.	Comparative politics
POL5.	Conceptual issues in politics and international relations
POL6.	Statistics and methods
POL7.	The history of political thought to $c.1700$
POL8.	The history of political thought from c.1700–c.1890

Part IIb

POL9.	Conceptual issues and texts in politics
POL10.	The history of political thought from <i>c</i> .1700– <i>c</i> .1890
POL11.	Political philosophy and the history of political thought
POL12.	The politics of the Middle East
POL13.	The politics of Europe
POL14.	The politics of Asia
POL15.	The politics of Africa
POL16.	Conflict and peacebuilding
POL17.	Politics and gender
POL18.	Political thought: the idea of a European Union
POL19.	China and the international order

Social Anthropology courses available in 2015–16:

Part IIa

SAN2.	Foundations of social anthropology I: kinship and economics
SAN3.	Foundations of social anthropology II: politics and religion
SAN4.	Theory, methods, and enquiry in social anthropology
Part IIb	
SAN5.	Advanced social anthropology I: thought, belief, and ethics
SAN6.	Advanced social anthropology II: political economy and social transformations
SAN7.	Ethnographic areas: (a) Europe (b) South Asia (c) Africa

PART II OPTIONS

Social Anthropology courses available in 2015–16:

SAN9.	A subject in social anthropology II: science and society
SAN10.	A subject in social anthropology III: the anthropology of post-socialist societies
SAN11.	A subject in social anthropology IV: anthropology of visual and media culture

Social Anthropology courses NOT available in 2015–16:

SAN8.	A subject in social anthropology I
SAN12.	A subject in social anthropology V

Sociology courses available in 2015–16:

Part IIa	
SOC2.	Social theory
SOC3.	Modern societies II
SOC4.	Concepts and arguments in sociology
SOC5.	Statistics and methods
Part IIb	
SOC6.	A subject in sociology I: advanced social theory
SOC7.	A subject in sociology II: media, culture, and society
SOC8.	A subject in sociology III: revolution, war, and militarism
SOC9.	A subject in sociology IV: modern capitalism
SOC10.	A subject in sociology V: gender
SOC11.	A subject in sociology VI: racism, race, and ethnicity
SOC12.	A subject in sociology VII: modern Britain
SOC13.	A subject in sociology VIII: health, medicine, and society
SOC14.	The sociology of education (Paper 3 of Part II of the Education Tripos)
SOC15.	Criminology, sentencing, and the penal system (Paper 23 of the Law Tripos)

Land Economy Tripos

(Statutes and Ordinances, p. 366)

With effect from 1 October 2015

The Board of Land Economy give notice of amendments to the supplementary regulations, rescinding the regulation concerning project reports for Papers 4 and 6 under the heading for Groups I and II, and amending the descriptions of Papers 4 and 6 as follows:

SUPPLEMENTARY REGULATIONS

Group I

Paper 4. Land economy, development, and sustainability

Major economic, demographic, institutional, and technological changes and their impact upon the natural and built environments of the United Kingdom. The examination for this paper includes the submission of a report on a project. The project to be undertaken for Paper 4 and the word length shall be specified by the Board of Land Economy and announced not later than the division of the Lent Term. Candidates will be required to submit in typescript, by a date to be announced by the Board, an account of the project in the form of an extended essay. The account should be in English. Each candidate will be required to sign a declaration that the project and the report on it are his or her own work, unaided except as may be specified in the declaration, and that the report does not contain material that has already been used to any substantial extent for a comparable purpose; if two or more candidates have undertaken a project in collaboration, they will each be required to indicate the extent of their contribution.

Group II

Paper 6. Fundamentals of finance and investment

An introduction to the analytical techniques for identifying risk/return opportunities in real estate and other financial markets, and the different types of funding/investment strategies available to real estate professionals.

Management Studies Tripos, 2015–16

The Faculty Board of Business and Management give notice that in the academical year 2015–16 the subjects for examination for the Management Studies Tripos will be as listed below. The method of examination is shown for each subject.

8. Scheme of examination (compulsory subjects)

M1 Marketing and organizational behaviour	3-hour written examination. Four questions to be answered; two from Section A (Organizational behaviour) and two from Section B (Marketing)	
M2 Quantitative methods and operations management	3-hour written examination. Four questions to be answered; two from Section A (Quantitative methods) and two from Section B (Operations management)	
M3 Economics and finance	3-hour written examination. Four questions to be answered; two from Section A (Economics), one from Section B(1) (Accounting), and one from Section B(2) (Finance)	

9. Easter Term group consultancy project

Project	Group-authored report (70%), individual participation/presentation (30%),
	deliverable to client: group presentation and summary

s – all students must choose two)
Individual take-home essay (100%)
Individual take-home essay (100%)
Individual take-home essay (100%) N.B. This elective is not available to students who have previously studied on the Economics Tripos
Individual take-home essay (70%), group presentation (30%)
Individual take-home essay (65%), individual presentation(10%), group presentation (25%)
Individual take-home essay (100%)

10. Coursework (compulsory subject)

Negotiations workshop Individual assignment (100%)

Psychological and Behavioural Sciences Tripos, Parts I and IIA, 2015–16

The Committee of Management of the Psychological and Behavioural Sciences Tripos give notice of the following optional papers which are offered for Part I, Part IIA, and Part IIB of the Psychological and Behavioural Sciences Tripos in the academical year 2015–16.

Part I

Section B

ARC 1.	The development of human society (HSPS Tripos, Part I)
BAN 1.	Humans in biological perspective (HSPS Tripos, Part I)
CS 1.	Introduction to Computer Science (Computer Science Tripos, Part IA)
EC 1.	Economics (Land Economy Tripos, Part I) *
ED 2.	Language, communication, and literacy (Education Tripos, Prelim to Part I) *
NS 1.	Evolution and behaviour (Natural Sciences Tripos, Part IA)
PHIL 1.	Metaphysics (Philosophy Tripos, Part IA) *†
PHIL 2.	Ethics and political philosophy (Philosophy Tripos, Part IA) *†
PHIL 3.	Logic (Philosophy Tripos, Part IA) *†
POL 1.	Analysis of politics (HSPS Tripos, Part I)
SAN 1.	Human societies: the comparative perspective (HSPS Tripos, Part I)
SOC 1.	Modern societies I: introduction to sociology (HSPS Tripos, Part I)

* This paper may not be offered, due to a limited capacity.

[†] Two papers from the selection of PHIL 1, PHIL 2, and PHIL 3 must be offered together.

Part IIa

BAN 2.	Behavioural ecology (HSPS Tripos, Part IIA)
BAN 3.	Human origins (HSPS Tripos, Part IIA)
BAN 4.	Health and disease (HSPS Tripos, Part IIA)
ED 3.	Modernity, globalization, and education (Education Tripos, Part I and Prelim to Part II) *
HPS 1.	History of science (Natural Sciences Tripos, Part IB) †
HPS 2.	Philosophy of science (Natural Sciences Tripos, Part IB) †
NS 2.	Neurobiology (Natural Sciences Tripos, Part IB; assessed by exam paper NST1 NB/1 only) *
PHIL 4.	Metaphysics and epistemology (Philosophy Tripos, Part IB) * ‡
PHIL 5.	Logic (Philosophy Tripos, Part IB) * ‡
PHIL 6.	Ethics (Philosophy Tripos, Part IB) * ‡
SAN 9.	Science and society (HSPS Tripos, Part IIA)
SOC 2.	Social theory (HSPS Tripos, Part IIA)
SOC 3.	Modern societies II (HSPS Tripos, Part IIA)

* This paper may not be offered, due to a limited capacity.

† HPS 1 and HPS 2 cannot be offered together.

Two papers from the selection of PHIL 4, PHIL 5, and PHIL 6 must be offered together.

829 CAMBRIDGE UNIVERSITY REPORTER

Part IIb

BAN 6.	Plasticity and adaptation (HSPS Tripos, Part IIB)
BAN 7.	Advanced behaviour (HSPS Tripos, Part IIB)
CR 1.	Criminology, sentencing, and the penal system (Law Tripos, Part IIA and Part IIB)
ED 4.	The psychology of education (Education Tripos, Part II) *
HPS 3.	Modern medicine and biomedical sciences (Natural Sciences Tripos, Part II)
HPS 4.	History and philosophy of the human and behavioural sciences (Natural Sciences Tripos, Part II)
LI 15.	First and second language acquisition (Linguistics Tripos, Part IIA and Part IIB) *
LI 16.	Language processing and learning (Linguistics Tripos, Part IIA and Part IIB) *
PHIL 7.	Metaphysics (Philosophy Tripos, Part II) * ‡
PHIL 8.	Philosophy of mind (Philosophy Tripos, Part II) * ‡
PHIL 9.	Ethics (Philosophy Tripos, Part II) * ‡
SOC 7.	Media, culture, and society (HSPS Tripos, Part IIB)
SOC 11.	Racism, race, and ethnicity (HSPS Tripos, Part IIB)
SOC 13.	Medicine, body, and society (HSPS Tripos, Part IIB)

* This paper may not be offered, due to a limited capacity.

‡ Two papers from the selection of PHIL 7, PHIL 8, and PHIL 9 must be offered together.

Examination for the degree of Master of Business Administration, Michaelmas Term 2015

The Faculty Board of Business and Management give notice that in the Michaelmas Term 2015 of academical year 2015–16 the subjects for examination for the M.B.A. Degree will be as listed below. The method of examination is shown for each subject.

4. (a) One-year course

6. (a) Compulsory modules

Michaelmas Term 2015

Subject		Form of assessment
MBA1	Microeconomics	Attendance only
MBA2	Management science	Individual in-class test: 2 hours (50%); group in-class test: 3 hours (50%)
MBA3	Employability skills workshops	Attendance only
MBA4	Corporate finance	Examination: 2 hours and 15 minutes' reading time (100%)
MBA5	Accounting 2	Examination: 1 hour (100%)
MBA 6	CVP Research methods	Attendance only
MBA7	Organizational behaviour	Individual assignment: 3,000 words (50%); group assignment: 10-page slide deck and notes (50%)
MBA8	Management praxis	Individual assignment (100%)
MBA 9	Cambridge venture project	Group assignment (100%)

Lent Term 2016

Subject		Form of assessment
MBA10	Strategy	Assessment to be announced by the end of Michaelmas Term
MBA11	Marketing	Assessment to be announced by the end of Michaelmas Term
MBA15	Operations management	Assessment to be announced by the end of Michaelmas Term
MBA16	Cost management and control	Assessment to be announced by the end of Michaelmas Term
MBA33	Negotiations workshop	Attendance only
MBA34	Global consulting project	Group assignment (100%)

Easter Term 2016

Subject		Form of assessment
MBA12	Corporate governance and ethics	Assessment to be announced by the end of Lent Term
MBA13	Leadership in action	Attendance only
MBA35	Concentration	(Students take one of eight subjects offered) assessment and subject areas TBC
MBA54	Macroeconomics	Assessment to be announced by the end of Lent Term

6. (b) Elective modules

Michaelmas Term 2014

Subject MBA87 Accounting 1 Form of assessment Individual in-class test (100%): 1 hour

4 (c) Executive M.B.A. course

2014-16 class

6. (a) Compulsory modules

Michaelmas Term 2015

Subject		Form of assessment
EMBA11	Managing innovation	Group assessment (40%); individual assignment (60%)
EMBA12	Managing strategy	Group assessment (30%); individual assignment (70%)
EMBA4	Management practice (this course runs throughout the programme)	Individual assignment (100%)
EMBA17	Leadership in action (this course runs throughout the programme)	Attendance only

Form of assessment

Attendance only

(b) Elective modules

Michaelmas Term 2014

None

(c) Project work

Michaelmas Term 2014

Subject EMBA13 Team consulting project

6. (a) Compulsory modules

Lent Term 2016

Subject Form of assessment EMBA14 Corporate governance and ethics Group assessment (40%); individual assignment (60%) EMBA4 Management practice (this course As above for Michaelmas Term runs throughout the programme) Leadership in action (this course runs EMBA17 Attendance only throughout the programme) EMBA19 Personal and professional Attendance only development (this course runs throughout the programme)

2015-17 class

6. (a) Compulsory modules

Michaelmas Term 2015

Subject		Form of assessment
EMBA1	Analysis of financial reports (Accounting)	In-class test (20%): 45 minutes; case write-up (20%); 1.5-hour written examination (60%)
EMBA2	Corporate finance (this course runs into Lent Term as well)	Three group case write-ups (40%); 3-hour written examination (60%)
EMBA3	Microeconomics	Attendance only
EMBA4	Management practice (this course runs throughout the programme)	Individual assignment (100%)
EMBA5	Management science	Group assignment (50%); 1.5-hour written examination (50%)
EMBA17	Leadership in action (this course runs throughout the programme)	Attendance only
EMBA19	Personal and professional development (this course runs throughout the programme)	Attendance only

(b) Elective modules

Michaelmas Term 2015

None

6. (a) Compulsory modules

Lent Term 2016

Subject		Form of assessment
EMBA6	Organizational behaviour	Assessment to be announced by the end of Michaelmas Term
EMBA7	Operations management	Assessment to be announced by the end of Michaelmas Term
EMBA8	International business studies	Assessment to be announced by the end of Michaelmas Term
EMBA17	Leadership in action (this course	Attendance only
	runs throughout the programme)	
EMBA19	Personal and professional	Attendance only
	development (this course runs	
	throughout the programme)	

(b) Elective modules

Lent Term 2015

None

6. (a) Compulsory modules

Easter Term 2016

Subject		Form of assessment
EMBA6	Organizational behaviour	Assessment to be announced by the end of Lent Term
EMBA9	Macroeconomics	Assessment to be announced by the end of Lent Term
EMBA10	Marketing management	Assessment to be announced by the end of Lent Term
EMBA20	Negotiation skills	Attendance only
EMBA17	Leadership in action (this course runs throughout the programme)	Attendance only
EMBA19	Personal and professional development (this course runs throughout the programme)	Attendance only

(b) Elective modules

Easter Term 2016 None

Examination for the degree of Master of Finance, Michaelmas Term 2015

The Faculty Board of Business and Management give notice that in the Michaelmas Term 2015 the subjects for examination for the Master of Finance Degree will be as listed below. The method of examination is shown for each subject.

Group 1 – Core subjects

(a) Written p	apers	
MFIN29	Introduction to derivatives	1.5-hour class test (100%)
MFIN10	Economic foundations of finance	1.5-hour written examination (80%), performance during trading simulation sessions (20%)
MFIN9	Principles of finance	2.5-hour written examination (100%)
MFIN7	Financial reporting and analysis	1-hour initial class test (35%), group case study write-up of 2,500 words maximum (35%), case study group work participation (10%), in-class case study presentation (20%)
MFIN6	Financial institutions and markets	1.5-hour written examination (100%)

(b) Coursework

MFIN5	Finance and organizations	Seminar, assessed by attendance
MFIN22	Management practice	Seminar, assessed by attendance
MFIN23	City speaker series	Seminar, assessed by attendance

(c) Projects

MFIN24 Equity research project

Group project, assessed by group presentation (50%) and report of no more than 2,500 words (50%)

Group 2 - Specialist subjects

There are no specialist subjects in Michaelmas Term 2015.

Examination in Bioscience Enterprise for the Degree of Master of Philosophy, 2015–16

The Degree Committee for the Faculty of Engineering give notice that the modules available to candidates studying the one-year course in Bioscience Enterprise for the degree of Master of Philosophy (*Statutes and Ordinances*, p. 520) in the academical year 2015–16 and the form of examination of each module will be as follows:

Science and Technology (ST) modules

Reference	Name	Mode of assessment
ST1	Treating disease	Coursework
ST2	Drug discovery I	Coursework
ST3	Drug discovery II	Coursework
ST4	Diagnostics and devices	Coursework
ST5	Agbiotech	Coursework
Business (B) m	odules	
Reference	Name	Mode of assessment
B1, B2, B3	Management of technology and innovation	Coursework
B4	Healthcare economics	Coursework
В5	Law and intellectual property	Coursework
Transitionary (T) modules	
Reference	Name	Mode of assessment

Rejerence	Name	Mode of assessment
T1	Company analysis I: partnerships and alliances	Coursework
T2	Company analysis II: finance and valuation	Coursework
T3	Building a bioscience enterprise I	Coursework
T4	Building a bioscience enterprise II	Coursework

Joint assessments

Several principal individual assessments cover material from multiple modules, and include written papers on selected topics in science and technology in business (each of 4,000 words maximum) and a business plan submission. These assessments are:

STB1	Science and technology in business, Paper I
STB2	Science and technology in business, Paper II
T5	Business plan

Coursework includes individual and/or group activities, to address one or a selected combination of report, critical appraisal, extended paper or audio-visual presentation and may include engagement in approved extracurricular activities.

All candidates are required to complete a dissertation of up to 10,000 words (reference: E1) on a topic approved by the Degree Committee, and will give a presentation on the project work at a symposium (reference: E2). A mark will also be given for 'Extramural participation and entrepreneurship' (reference: T6), based on continuous assessment of factors such as students' displayed leadership qualities, publications, participation in business plan competitions, etc.

All Bioscience Enterprise modules, components, and lectures are mandatory.

The Degree Committee for the Faculty of Engineering reserve the right to amend these lists during the Michaelmas Term 2015.

Examination in Energy Technologies for the Degree of Master of Philosophy, 2015–16

The Degree Committee for the Faculty of Engineering give notice that the modules available to candidates studying the one-year course in Energy Technologies for the degree of Master of Philosophy (Statutes and Ordinances, p. 527) in the academical year 2015–16, and the form of examination of each module, will be as follows:

Core courses (compulsory)

Reference	Name	Mode of assessment
ETA1	Energy topics	Coursework
ETA2	Revision of fundamentals	Coursework
ETB1	Clean fossil fuels	Coursework
ETB2	Renewables 1: wind, wave, tidal, and hydro	Coursework
ETB3	Renewables 2: solar and biofuels	Coursework

Electives (students must choose either five or seven depending on dissertation length)

Reference	Name	Mode of assessment
ETB4	Energy systems and efficiency	Coursework
4A2	Computational fluid dynamics	Coursework
4A3	Turbomachinery I	Coursework and examination
4A7	Aerodynamics	Coursework
4A10	Flow instability	Examination
4A12	Turbulence and vortex dynamics	Examination
4A13	Combustion and IC engines	Examination
4B14	Solar-electronic power: generation and distribution	Coursework and examination
4B19	Renewable electrical power	Examination
4D13	Architectural engineering	Coursework
4E4	Management of technology	Coursework
4E11	Strategic management	Coursework
4I10	Nuclear reactor engineering	Examination
4I11	Advanced fission and fusion systems	Examination
4M16	Nuclear power engineering	Examination
4M18	Present and future energy systems	Examination
4M19	Advanced building physics	Coursework
5R10	Turbulent reacting flows	Coursework
5R18	Environmental fluid mechanics and air pollution	Coursework
B2	Catalysis	Examination
B3	Electrochemical engineering	Examination
B7	Particle technology	Examination

Research requirements

Each candidate who takes five electives must submit a thesis of up to 20,000 words on a subject approved by the Degree Committee; each candidate who takes seven electives must write a thesis of up to 10,000 words on a subject approved by the Degree Committee.

The Degree Committee for the Faculty of Engineering reserve the right to amend these lists during the Michaelmas Term 2015.

Examination in Engineering for Sustainable Development for the Degree of Master of Philosophy, 2015–16

The Degree Committee for the Faculty of Engineering give notice that the modules available to candidates studying the one-year course in Engineering for Sustainable Development for the degree of Master of Philosophy (Statutes and Ordinances, p. 527) in the academical year 2015–16 and the form of examination of each module will be as follows:

Inner core modules (mandatory)

Teaching to take place in Michaelmas 2015

Reference	Name	Mode of asses
ESD100	Organizational change, values, and negotiation	Coursework
ESD200	Sustainability methods and metrics	Coursework

Teaching to take place in Michaelmas Term 2015 and Lent Term 2016

Reference	Name
MOT&I	Management of technology and innovation

ssment

Mode of assessment Coursework

Outer core modules (candidates must take at least two)¹

Teaching to take place in Lent 2016

Reference	Name	Mode of assessment ²
ESD300	Sustainability assessment of large infrastructure projects	Coursework
ESD450	Policy, legislation, and government	Coursework
ESD500	Sustainable design and implementation	Coursework
ESD600	Development engineering	Coursework

Elective modules

Teaching to take place in Michaelmas 2015

Reference	Name	Mode of assessment
ESD800 ^{3,6}	System dynamics	Coursework
4B14	Solar-electronic power: generation and distribution	Coursework and examination
4B19	Renewable electrical power	Examination
4D13	Architectural engineering	Coursework
4D14	Contaminated land and waste containment	Coursework and examination
4E4	Management of technology	Coursework
4E6 ⁶	Accounting and finance	Coursework
4M18	Present and future energy systems	Examination
4M19	Advanced building physics	Coursework
5R18	Environmental fluid mechanics and air pollution	Coursework
TP1	Introduction to technology policy	Coursework
TPE6 ⁴	Strategic valuation uncertainty and real options in system design	Coursework
TPE9	Negotiation skills	Coursework
EP02 ⁴	Fundamentals of environmental economics	Coursework

Teaching to take place in Lent 2016

Reference	Name	Mode of assessment
ESD-A2 ⁶	Sustainable architecture and urban design	Coursework
4D15	Sustainable water engineering	Coursework
4E5	International business economics	Coursework
4E11	Strategic management	Coursework
4G4	Biomimetics	Coursework
4I7	Electricity and environment	Coursework
4M15	Sustainable energy	Coursework and examination
ETB2 ⁶	Renewable energy: wind, wave, tidal, and hydro	Coursework
ETB3 ^{5,6}	Renewable energy: solar and biomass	Coursework
ETB4 ⁶	Energy systems and efficiency	Coursework
TPE7	Political economy of technology policy	Coursework
TPE10	Management of the innovation process	Coursework
MM20 ⁶	Environment and sustainability	Coursework
EP10 ⁴	Climate change policy and land development	Examination

Research requirements

All candidates are required to submit a dissertation of up to 15,000 words on a topic approved by the Degree Committee.

The Degree Committee for the Faculty of Engineering reserve the right to amend these lists during the Michaelmas Term 2015.

- ¹ Two modules can be selected from the outer core as elective modules.
- $^{2}\,$ All written examinations are of one and a half hours duration unless otherwise specified.
- ³ Subject to numbers.
- ⁴ A cap will be placed of approximately five ESD students per module.
- ⁵ Lectures in both Michaelmas and Lent Terms (classed as Lent module).
- ⁶ Limited places available.

Examination in Industrial Systems, Manufacturing, and Management for the Degree of Master of Philosophy, 2015–16

The Degree Committee for the Faculty of Engineering give notice that the modules available to candidates studying the one-year course in Industrial Systems, Manufacturing, and Management for the degree of Master of Philosophy (*Statutes and Ordinances*, p. 533) in the academical year 2015–16, and the form of examination of each module, will be as follows:

Taught modules (all compulsory)

Reference	Name	Mode of assessment
MT1	Industrial systems	Coursework
MT2	Marketing and business strategy	Coursework
MT3	Overseas research project	Coursework
MT4	Manufacturing processes	Coursework
Projects (all co	ompulsory)	
Reference	Name	Mode of assessment

Rejerence	Name	Mode of assessmen
PR1	Induction project	Coursework
PR2	Industrial systems project	Coursework
PR3	Marketing and business strategy project	Coursework
PR4	Manufacturing processes and technology innovation management	Coursework
	project	

Research requirement

All candidates must submit a thesis of not more than 15,000 words on a subject approved by the Degree Committee.

The Degree Committee for the Faculty of Engineering reserve the right to amend this list during the Michaelmas Term 2015.

Examination in Machine Learning, Speech, and Language Technology for the Degree of Master of Philosophy, 2015–16

The Degree Committee for the Faculty of Engineering give notice that the modules available to candidates studying the one-year course in Machine Learning, Speech, and Language Technology for the degree of Master of Philosophy (*Statutes and Ordinances*, p. 535) in the academical year 2015–16 and the form of examination of each module will be as follows:

Compulsory modules

Reference	Name	Mode of assessment
MLSALT1	Introduction to machine learning and spoken language processing	Coursework and examination
MLSALT2	Speech recognition	Coursework
MLSALT3	Weighted automata (<i>half</i>)	Examination
MLSALT4	Advanced machine learning	Coursework
MLSALT5	Speech and language processing applications (<i>half</i>)	Coursework
MLSALT6	Information theory (<i>half</i>)	Coursework
MLSALT7	Reinforcement learning and decision making (half)	Coursework
MLSALT8	Statistical machine translation (<i>half</i>)	Coursework
MLSALT9	Statistical spoken dialogue systems (half)	Coursework
MLSALT10	Statistical speech synthesis (<i>half</i>)	Coursework
MLSALT11	Speech and machine learning practicals (one and a half)	Coursework
4F10	Statistical pattern processing	Examination
4F13	Machine learning	Coursework

Elective modules (candidates must take one)

Reference	Name	Mode of assessment
4F1	Control system design	Coursework and examination
4F2	Robust and nonlinear systems and control	Examination
4F3	Optimal and predictive control	Examination
4F5	Advanced communications and coding	Examination
4F7	Digital filters and spectrum estimation	Examination
4F8	Image processing and image coding	Examination
4F12	Computer vision and robotics	Examination
4G3	Computational neuroscience	Coursework
4M17	Practical optimization	Coursework
4M20	Robotics	Coursework
L100	Introduction to natural language processing	Coursework
36	Topics in statistical theory	Examination

Note that some options are half modules, and that one option is one and a half modules. This is indicated above in the module names.

Research

All candidates are required to submit a dissertation of up to 15,000 words on a topic approved by the Degree Committee.

The Degree Committee for the Faculty of Engineering reserve the right to amend this list during the Michaelmas Term 2015.

Examination in Nuclear Energy for the Degree of Master of Philosophy, 2015–16

The Degree Committee for the Faculty of Engineering give notice that the modules available to candidates studying the one-year course in Nuclear Energy for the degree of Master of Philosophy (*Statutes and Ordinances*, p. 541) in the academical year 2015–16 and the form of examination of each module will be as follows:

Compulsory core modules

Reference	Name	Mode of assessment
NE1	Reactor physics	Examination
NE2	Reactor engineering and thermal-hydraulics (double)	Coursework and examination
NE5	Nuclear safety principles and practice (<i>half</i>)	Coursework and examination
NE6	Nuclear policy	Coursework
NE7	Nuclear practice (<i>half</i>)	Coursework

Other core modules (candidates must take at least one)

Reference	Name	Mode of assessment
NE3	Materials for nuclear energy	Examination
NE4	Fuel cycle, waste, and decommissioning	Examination
NE8	Computational reactor modelling	Coursework
NE9	Advanced reactors and fusion systems	Examination

Elective modules

Reference	Name	Mode of assessment
4A2	Computational fluid dynamics	Coursework
4A3	Turbomachinery I	Coursework and examination
4B13	Electronic sensors and instrumentation	Examination
4B14	Solar-electronic power: generation and distribution	Coursework and examination
4B19	Renewable electrical power	Examination
4C4	Design methods	Examination
4C5	Design case studies	Coursework
4C7	Random and non-linear vibrations	Coursework and examination
4D7	Concrete structures	Coursework and examination
4D10	Structural steelwork	Coursework and examination
4D17	Plate and shell structures	Coursework
4E4	Management of technology	Coursework
4E5	International business economics	Coursework
4E6	Accounting and finance	Coursework
4E11	Strategic management	Coursework
4F1	Control system design	Coursework and examination
4F2	Robust and nonlinear systems and control	Examination
4F12	Computer vision and robotics	Examination
418	Medical physics	Examination
4M12	Partial differential equations and variational methods	Examination
4M15	Sustainable energy	Coursework and examination
4M17	Practical optimization	Coursework
ESD500	Sustainable design and implementation	Coursework
B3	Electrochemical engineering	Examination
B4	Fluid mechanics and environment	Examination
TP1	Introduction to technology policy	Coursework
TP2	Economic foundations of technology policy	Coursework
TP4	Policy, design, and evaluation	Coursework
TPE6	Strategic valuation uncertainty and real options in system design	Coursework
TPE7	Political economy of technology policy	Coursework
TPE10	Management of the innovation process	Coursework
M3	Extraction and recycling	Examination
M15	Corrosion and protection	Examination
M16	Atomistic materials modelling	Examination
M21	Steels	Examination
PNP	Particle and nuclear physics/comp physics	Examination

Note that some options are half modules, and one option is a double module. This is indicated above in the module names.

Research

All candidates are required to submit a dissertation of up to 15,000 words on a topic approved by the Degree Committee.

The Degree Committee for the Faculty of Engineering reserve the right to amend this list during the Michaelmas Term 2015.

Examination in Future Infrastructure and the Built Environment for the Degree of Master of Research, 2015–16

The Degree Committee for the Faculty of Engineering give notice that the modules available to candidates studying the one-year course in Future Infrastructure and the Built Environment for the degree of Master of Research (*Statutes and Ordinances*, p. 551) in the 2015–16 academical year, and the form of examination of each module, will be as follows:

Core modules (all compulsory)

Reference	Name	Mode of assessment
CM1	Civil engineering theory	Coursework
CM2	Civil engineering research methods	Coursework
CM3	Multi-disciplinarity in civil engineering	Coursework
ETech	Introduction to entrepeneurship	Coursework

Elective modules (two to be chosen in consultation with the Course Director)

Reference	Name	Mode of assessment
4D4	Construction engineering	Coursework
4D5	Foundation engineering	Coursework and examination
4D6	Dynamics in civil engineering	Coursework and examination
4D8	Pre-stressed concrete	Examination
4D13	Architectural engineering	Coursework
4D14	Contaminated land and waste containment	Coursework and examination
4D15	Sustainable water engineering	Coursework
4D17	Plate and shell structures	Coursework
4F8	Image processing and image coding	Examination
4F12	Computer vision and robots	Examination
4G4	Biomimetics	Coursework
4M15	Sustainable energy	Coursework and examination
4M16	Nuclear power engineering	Examination
4M18	Present and future energy systems	Examination
4M19	Advanced building physics	Coursework
5R5	Advanced experimental methods in geomechanics	Coursework
5R7	Advanced numerical methods in geomechanics	Coursework
5R14	Nonlinear solid mechanics	Coursework
EP10	Climate change policy and land development	Examination

Research

All candidates are required to complete a desktop study (DS), a mini-project (MP), a group project (GP), and an M.Res. dissertation of up to 12,000 words on a topic approved by the Degree Committee.

The Degree Committee for the Faculty of Engineering reserve the right to amend these lists during the Michaelmas Term 2015.

Examination in Gas Turbine Aerodynamics for the Degree of Master of Research, 2015–16

The Degree Committee for the Faculty of Engineering gives notice that the modules available to candidates studying the one-year course in Gas Turbine Aerodynamics for the degree of Master of Research (*Statutes and Ordinances*, p. 551) in the 2015–16 academical year, and the form of examination of each module, will be as follows:

Core modules

Reference	Name
GTA1	Advanced gas turbine aerodynamics
GTA2	Turbomachinery aerodynamic design process
GTA3	Experimental methods
GTA4	Researcher skills

Mode of assessment Examination Coursework Coursework Coursework

838 CAMBRIDGE UNIVERSITY REPORTER

Elective modules

Reference	Name	Mode of assessment
4A2	Computational fluid dynamics	Coursework
4A3	Turbomachinery I	Coursework and examination
4A7	Aerodynamics	Coursework
4B19	Renewable electrical power	Examination
4E4	Management of technology	Coursework
4E6	Accounting and finance	Coursework
4F1	Control system design	Coursework and examination
4M15	Sustainable energy	Coursework
4M17	Practical optimization	Coursework
4M18	Present and future energy systems	Examination
4I7	Electricity and environment	Coursework

Research

All candidates are required to complete three mini-projects:

MP1	Combustor aerodynamics
MP2	Compressor aerodynamics
MP3	Turbine aerodynamics and heat transfer

All candidates are furthermore required to complete two industry courses:

IC1	Holistic gas turbine design
IC2	Gas turbine build

Finally, all candidates are required to complete a Ph.D. proposal dissertation of up to 15,000 words on a topic approved by the Degree Committee.

The Degree Committee for the Faculty of Engineering reserve the right to amend these lists during the Michaelmas Term 2015.

Examination in Graphene Technology for the Degree of Master of Research, 2015–16

The Degree Committee for the Faculty of Engineering give notice that the modules available to candidates studying the one-year course in Graphene Technology for the degree of Master of Research (*Statutes and Ordinances*, p. 552) in the academical year 2015–16, and the form of examination of each module, will be as follows:

Core modules (all compulsory)

Reference	Name	Mode of assessment
GRM1	Technology of graphene, related layered materials, and hybrid systems	Examination
GRM2	Science of graphene, related layered materials, and hybrid systems	Examination
NT01	Characterization techniques	Examination
NT04	Nanofabrication techniques	Examination
NT07	Physics at the nanometre-scale	Examination
IDP3	Materials, electronics, and renewable energy	Examination

Research

All candidates are required to complete thirty research skills sessions (reference: RSS) and two mini-projects (reference: MP1 and MP2).

The Degree Committee for the Faculty of Engineering reserve the right to amend these lists during the Michaelmas Term 2015.

Examination in Integrated Photonic and Electronic Systems for the Degree of Master of Research, 2015–16

The Degree Committee for the Faculty of Engineering give notice that the modules available to candidates studying the one-year course in Integrated Photonic and Electronic Systems for the degree of Master of Research (*Statutes and Ordinances*, p. 552) in the academical year 2015–16, and the form of examination of each module, will be as follows:

Biophysics

Reference	Name
4B5	Nanotechnology
4B13	Electronic sensors and instrumentation
UCLAPD	Advanced photonic devices
UCLPON	Physics and optics of nano-structure

Mode of assessment

Coursework and examination Examination Coursework and examination **Photonic systems**

Reference	Name	Mode of assessment
4B11 4B14	Photonic systems Solar-electronic power: generation and distribution	Examination Coursework and examination
UCLPSS	Photonic sub-systems	Examination
UCLBTC	Broadband technologies and components	Examination
Business		
Reference	Name	Mode of assessment
4E4	Management of technology	Coursework
4E11	Strategic management	Coursework
UCLTBE	Telecommunication business environment	Coursework
Electives		
Reference	Name	Mode of assessment
4B6	Solid state devices and chemical/biological sensors	Examination
4B20	Display technology	Examination
4B21	Analogue integrated circuits	Examination
4F2	Robust and nonlinear systems and control	Examination
4F5	Advanced communications and coding	Examination
4F7	Digital filters and spectrum estimation	Examination
4F8	Image processing and image coding	Examination
4F12	Computer vision and robotics	Examination
P33	Building an internet router	Coursework
R02	Network architecture	Coursework
UCLSNS	Software for network devices	Coursework
UCLOTN	Optical transmission and networks	Examination
UCLNH	Nanotechnology and healthcare	Examination
UCLRCS	RF circuits and sub-systems	Coursework and examination
UCLPON	Physics and optics of nano-structure	Coursework and examination
UCLBCL	Broadband communications lab	Coursework
UCLEEM010	Analogue CMOS IC design and applications	Coursework

Research

All candidates are required to complete two project reports (references: MP1 and MP2).

The Degree Committee for the Faculty of Engineering reserve the right to amend this list during the Michaelmas Term 2015. All modules beginning 'UCL' are provided and examined by *University College, London*.

Examination in Sensor Technologies and Applications for the Degree of Master of Research, 2015–16

The Degree Committee for the Faculty of Engineering give notice that the modules available to candidates studying the one-year course in Sensor Technologies and Applications for the degree of Master of Research (*Statutes and Ordinances*, p. 553) in the academical year 2015–16, and the form of examination of each module, will be as follows:

Core modules (all compulsory)

Reference	Name	Mode of assessment
STA1	Principles of sensing	Coursework
STA2	Guided sensor design project	Coursework
ETech	Introduction to entrepreneurship	Coursework

Elective modules (three to be chosen in consultation with the Course Director)

Reference	Name	Mode of assessment
В5	Optical microscopy	Examination
2/BP	Biological physics	Examination
R214	Biomedical information processing	Coursework
4B5	Nanotechnology	Coursework and examination
4B13	Electronic sensors and instrumentation	Examination
4C3	Electrical and nano materials	Examination
4E12	Project management	Coursework
4F8	Image processing and image coding	Examination

4I8	Medical physics	Examination
4M20	Robotics	Coursework
M18	Materials aspects of microdevices	Examination
NT01	Nanotechnology characterization techniques	Examination
NT04	Nanofabrication techniques	Examination
NT05	Nanomaterials	Examination
NT08	Bionanotechnology	Examination

Research

All candidates are required to complete an individual mini-project report (reference: MP1) and a 'Sensor team challenge' project report (reference: GP1).

The Degree Committee for the Faculty of Engineering reserves the right to amend these lists during the Michaelmas Term 2015.

Examination in Ultra Precision Engineering for the Degree of Master of Research, 2015–16

The Degree Committee for the Faculty of Engineering give notice that the modules available to candidates studying the one-year course in Ultra Precision Engineering for the degree of Master of Research (*Statutes and Ordinances*, p. 554) in the academical year 2015–16, and the form of examination of each module, will be as follows:

Compulsory modules

Reference	Name	Mode of assessment
CRA1	Precision engineering	Coursework
CRA2	Metrology and optical testing	Coursework
P3	Energy beam micro processing	Coursework
TIM	Technology and innovation management	Examination
4B11	Photonic systems	Examination

Laboratory classes (all compulsory)

Reference	Name	Mode of assessment
LAB1	Roll to roll fabrication laboratory class	Coursework
LAB2	Laser machining laboratory class	Coursework
LAB3	Practical metrology laboratory class	Coursework
LAB4	FIB/SEM laboratory class	Coursework
CRA3	Reactive atom plasma laboratory class	Coursework
CRA4	Modal analysis laboratory class	Coursework
CRA5	Test and measurement laboratory class	Coursework
CRA6	Single point diamond turning laboratory class	Coursework

Research

All candidates are required to complete two project reports (reference: RP1 and RP2), and must participate in the Advanced Manufacturing Technologies Reading Club (reference: RC13).

The Degree Committee for the Faculty of Engineering reserve the right to amend these lists during the Michaelmas Term 2015.

Approved for Degrees

This content has been removed as it contains personal information protected under the Data Protection Act.

This content has been removed as it contains personal information protected under the Data Protection Act.

Act for the Degree of Doctor of Medicine

This content has been removed as it contains personal information protected under the Data Protection Act.

OBITUARIES

Obituary Notices

The Reverend Professor WILLIAM OWEN CHADWICK, OM, KBE, M.A., D.D., (Hon) Litt.D., FBA, Fellow and formerly Master (1956–83) of Selwyn College, Honorary Fellow of St John's College, Honorary Fellow and sometime Fellow, Chaplain and Dean of Trinity Hall, Honorary Fellow of Wolfson College, Regius Professor of Modern History Emeritus, Vice-Chancellor (1969–71), Dixie Professor of Ecclesiatical History (1958–68), President of the British Academy (1981–85), died on 17 July 2015, aged 99 years.

The funeral will take place at Great St Mary's Church on Monday, 3 August 2015 at 3 p.m. Gowns (without hoods) may be worn, but the family does not wish those attending to feel obliged to do so. Refreshments will be served afterwards in the University Combination Room, the Old Schools. Please email masters-assistant@sel.cam.ac.uk or telephone 01223 335890 for further information. There will be a Memorial Service at a later date, the details of which will be announced in due course.

Dr DAVID FRANKS, M.A., Ph.D., Emeritus Fellow and former Fellow (1967–2000) and Senior Tutor (1980–83) of Wolfson College, formerly Secretary of the School of Biological Sciences and University Lecturer, died on 19 July 2015, aged 82 years.

The funeral will take place at Cambridge Crematorium on Friday, 31 July 2015 at 1 p.m., with refreshments afterwards at Longstanton Pavilion. Those planning to attend please email: hesterfranks@doctors.net.uk.

Professor Sir JOHN RANKINE (JACK) GOODY, M.A., Ph.D., Sc.D., FBA, Fellow of St John's College and Emeritus William Wyse Professor of Social Anthropology, died on 16 July 2015, aged 95 years.

A funeral service will take place on Wednesday, 29 July 2015 at 4.30 p.m. in the West Chapel, Cambridge City Crematorium, Huntingdon Road, Cambridge, CB3 0JJ.

Professor JOHN ROACH, M.A., Ph.D., Life Fellow of Corpus Christi College (Fellow 1950–65), died on 11 July 2015, aged 95 years.

GRACES

Grace submitted to the Regent House on 29 July 2015

The Council submits the following Grace to the Regent House. This Grace, unless it is withdrawn or a ballot is requested in accordance with the regulations for Graces of the Regent House (*Statutes and Ordinances*, p. 111), will be deemed to have been approved at 4 p.m. on Friday, 7 August 2015.

1. That the fees set out in the Schedule to the Council's Notice dated 27 July 2015 be approved and added to the Table of Fees attached to the regulations for University Composition Fees (*Statutes and Ordinances*, p. 160), as amended by Grace 1 of 29 April 2015 and Grace 2 of 3 June 2015.¹

¹ See the Council's Notice on p. 787.

АСТА

Approval of Graces submitted to the Regent House on 15 July 2015

The Graces submitted to the Regent House on 15 July 2015 (*Reporter*, 6394, 2014–15, p. 778) were approved at 4 p.m. on Friday, 24 July 2015.

Congregation of the Regent House on 26 June 2015: Correction

In the list of persons upon whom degrees were conferred at the Congregation on 26 June 2015, which was published on 1 July 2015 (*Reporter*, 6393, 2014–15, p. 730) the following names should be removed:

This content has been removed as it contains personal information protected under the Data Protection Act.

Congregation of the Regent House on 18 July 2015

A Congregation of the Regent House was held at 10 a.m. All the Graces that were submitted to the Regent House (*Reporter*, 6394, 2014–15, p. 779) were approved.

The following degrees were conferred:

This content has been removed as it contains personal information protected under the Data Protection Act.

Degree of Bachelor of Medicine

In pursuance of the special regulations for the conferment of the degrees of Bachelor of Medicine and Bachelor of Surgery (*Statutes and Ordinances*, p. 480) the degree of Bachelor of Medicine was conferred on 29 June 2015 upon the following persons who received the degree of Bachelor of Surgery on 27 June 2014:

This content has been removed as it contains personal information protected under the Data Protection Act.

Degree of Bachelor of Surgery

In pursuance of the special regulations for the conferment of the degrees of Bachelor of Medicine and Bachelor of Surgery (*Statutes and Ordinances*, p. 480), the degree of Bachelor of Surgery was conferred on 26 June 2015 upon the following persons:

This content has been removed as it contains personal information protected under the Data Protection Act.

END OF THE OFFICIAL PART OF THE 'REPORTER'

J. W. NICHOLLS, Registrary

COLLEGE NOTICES

Awards and Prizes

Queens' College: A list of distinctions and prizes awarded for the 2014–15 academical year is available on the Queens' College website at: http://www.queens.cam.ac. uk/teaching-learning/distinctions-and-awards/prizes-2015

Elections

Corpus Christi College The following election has been made:

Elected to a Fellowship in class A in Engineering, with effect from 1 October 2015:

Dr Fumiya Iida

Hughes Hall

The following elections have been made:

Elected to Fellowships in Class A, with effect from 1 October 2015:

- Dr Caroline Trotter, B.A., *Oxford*, M.Sc., *London School of Hygiene and Tropical Medicine*, Ph.D., *London*, University Senior Lecturer in Epidemiology in the Department of Veterinary Medicine
- Dr Lydia Drumwright, B.Sc., Ph.D., *UC San Diego*, M.P.H., *California State*, University Lecturer in Clinical Informatics in the Department of Medicine

Elected to Fellowships in Class E, with effect from 1 October 2015:

Dr Peter Dudley, M.Ed., Ph.D., *TH* Mr Nick Gray, M.A., *SID*

St John's College

The following elections have been made:

Elected to an Honorary Fellowship:

Dame Louise Makin

Elected to a Fellowship under Title B from 1 July 2015: Graham Robert Ladds, B.Sc., *Birmingham*, Ph.D., *Warwick*

Elected to a Fellowship under Title E from 1 September 2015:

- Paul Joseph Lennon, LL.B., *Edinburgh*, M.Phil., *HO*, Ph.D., *TH*
- Elected to a Fellowship under Title B from 1 October 2015: Owen Edward Griffiths, B.A., M.Phil., Ph.D., *JN*

College Research Fellowships, 2016–17*

A number of Cambridge Colleges propose to hold competitions for Research Fellowships tenable from the start of the academical year 2016–17 with closing dates for application on or near 1 October 2015. Advertisements will appear online at http://www.admin.cam.ac.uk/offices/hr/jobs/colleges/ not later than 31 August. Advertisements for competitions with a later closing date will normally appear in the Cambridge University *Reporter* and the Oxford University *Gazette* as well as online, not less than 28 days before the closing date.

Vacancies

Christ's College: Stipendiary Junior Research Fellowship in specified area of Arts, Humanities, and Social Sciences; tenure: four years from not later than 1 October 2016; closing date: 29 October 2015 at 12 noon; further particulars: http://www.christs.cam.ac.uk/jrf

Non-Stipendiary Junior Research Fellowship in any subject; tenure: at least two years and not more than four years from not later than 1 October 2016; closing date: 4 January 2016 at 12 noon; further particulars: http:// www.christs.cam.ac.uk/jobs

Charles Darwin and Galapagos Islands Fund Junior Research Fellowship *or* Research Fellowship in any area relevant to present-day aspects of the work originally undertaken by Charles Darwin (the Natural Sciences in their broadest sense); tenure: four years from not later than 1 October 2016; closing date: 29 October 2015 at 12 noon; further particulars: http://www.christs.cam.ac. uk/jobs

Lady Wallis Budge Junior Research Fellowship in Egyptology; tenure: four years from not later than 1 October 2016; closing date: 29 October 2015 at 12 noon; further particulars: http://www.christs.cam.ac. uk/jobs

Gonville and Caius College: Temporary Tutor for Admissions (2015–16); full-time or part-time; tenure: fixed-term for one year from 1 October 2015 at the latest; further particulars: http://www.cai.cam.ac.uk/vacancies

Hughes Hall: College Teaching Officer in Law; 50% post; 6 hours supervision per week and some other duties; salary: £10,919–£15,521; tenure: three years from October 2015; closing date: 31 August 2015; interviews: early September; further particulars: http://www.hughes. cam.ac.uk/about-us/positions-available/

Teaching Fellow and Director of Studies in Mathematics; 4 hours supervision per week and Director of Studies duties; stipend: £5,500–£6,000; tenure: three years from October 2015; closing date: 31 August 2015; interviews early September; further particulars: http:// www.hughes.cam.ac.uk/about-us/positions-available/

Jesus College: Two Junior Research Fellowships in Arts and one in Science; tenure: three years, fixed-term; salary: starting from £20,781; online application available from 31 July 2015; closing date: 28 August 2015; further particulars: http://www.jesus.cam.ac.uk/fellows-staff/ vacancies/

Peterhouse: Research Fellowships; tenure: from 1 October 2016; closing date: 21 September 2015; further particulars: http://www.pet.cam.ac.uk/

Queens' College: Junior Research Fellowship in Economics and Junior Research Fellowship in Mathematics; tenure: from 1 October 2016; salary: from £21,391, plus benefits; closing date: 4 September 2015 at 12 noon; further particulars: http://www.queens.cam. ac.uk/general-information/vacancies

* 30 July 2015: The text of this Notice was mistakenly omitted from this section on initial publication and has now been included.

EXTERNAL NOTICES

University of Oxford

Mathematical Institute: Savilian Professorship of Geometry; closing date: 12 October 2015; further particulars: http://www.ox.ac.uk/about_the_university/ jobs/fp/

Professorship of Mathematical Logic; closing date: 21 September 2015;* further particulars: http:// www.ox. ac.uk/about the university/jobs/fp/

Sir William Dunn School of Pathology: E. P. Abraham Professorship of Cell Biology; closing date: 21 September 2015; further particulars: https://www.ox.ac.uk/about/ jobs/fp/

Radcliffe Department of Medicine: Radcliffe Professorship of Medicine; closing date: 19 October 2015; further particulars: http://www.ox.ac.uk/about_the_ university/jobs/fp/

*The closing date for this post was changed on 7 September 2015.

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

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

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

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

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

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