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Wednesday 9 November 2022

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CONTENTS

Notices

Totrees	
Calendar	105
Discussion on Tuesday, 22 November 2022	105
Audit Committee terms of reference	105
Election of a member of the Council's Finance	100
Committee in class (b)	106
Sustainability Strategy Green Paper:	
Comments by 9 December 2022	106
Vacancies, appointments, etc.	
Election, appointments and grants of title	106
Vacancies in the University	108
Notices by the General Board	
New administering body for non-member awards	108
Establishment of a Professorship of	
Organisational Behaviour	108
Notices by Faculty Boards, etc.	
Historical Tripos, Part IA, 2022–23: Outline	
and Sources papers	109
Mathematical Tripos, Part III, 2022–23: Papers	109
Natural Sciences Tripos, Part III: Entry	
requirements, 2023–24	111

Reports

Report of the Council in response to	
Grace 1 of 21 April 2022 on the	
Universities Superannuation Scheme	112
Report of the General Board on the	
introduction of the degree of Master of	
the Conservation of Easel Paintings in the	
Faculty of Architecture and History of Art	114
Graces	
Graces submitted to the Regent House	
on 9 November 2022	116
End of the Official Part of the 'Reporter'	
College Notices	
Elections	117
Vacancies	117
Events	118
External Notices	
Oxford Notices	118



NOTICES

Calendar

9 November, Wednesday. Michaelmas Term divides.

- 18 November, *Friday*. Leslie Stephen Lecture at 5.30 p.m. in the Senate-House. Lecturer, Professor Kwame Anthony Appiah, FRSL, Honorary Fellow of Clare College and Professor of Philosophy and of Law, New York University.
- 22 November, Tuesday. Discussion by videoconference at 2 p.m. (see below).
- 26 November, Saturday. Congregation of the Regent House at 10 a.m.

Discussions (Tuesdays at 2 p.m.)

Congregations 26 November, Saturday at 10 a.m.

22 November

6 December

Discussion on Tuesday, 22 November 2022

The Acting Vice-Chancellor invites members of the Regent House, University and College employees, registered students and others qualified under the regulations for Discussions (*Statutes and Ordinances*, 2021, p. 111) to attend a Discussion **by videoconference** on Tuesday, 22 November 2022 at 2 p.m. The following item will be discussed:

1. Report of the Council, dated 25 October 2022, pursuant to Special Ordinance A (ii) 7 concerning an initiated Grace relating to fossil fuel industry ties (*Reporter*, 6673, 2022–23, p. 84).

The Reports in this issue (p. 112 and p. 114) will be discussed on 6 December 2022.

Those wishing to join the Discussion by videoconference should email UniversityDraftsman@admin.cam.ac.uk from their University email account, providing their CRSid (if a member of the collegiate University), by 10 a.m. on the date of the Discussion to receive joining instructions. Alternatively contributors may email their remarks to contact@proctors.cam.ac.uk, copying ReporterEditor@admin.cam.ac.uk, by no later than 10 a.m. on the day of the Discussion for reading out by the Proctors,¹ or may ask someone else who is attending to read the remarks on their behalf.

In accordance with Grace 3 of 12 January 2022, the Chair of the Board of Scrutiny or any ten members of the Regent House² may request that the Council arrange for one or more of the items listed for discussion to be discussed in person (usually in the Senate-House). Requests should be made to the Registrary, on paper or by email to UniversityDraftsman@admin.cam.ac.uk from addresses within the cam.ac.uk domain, by no later than 9 a.m. on the day of the Discussion. Any changes to the Discussion schedule will be confirmed in the *Reporter* at the earliest opportunity.

General information on Discussions is provided on the University Governance site at https://www.governance.cam.ac.uk/governance/decision-making/discussions/.

¹ Any comments sent by email should please begin with the name and title of the contributor as they wish it to be read out and include at the start a note of any College and/or Departmental affiliations held.

² https://www.scrutiny.cam.ac.uk/ and https://www.admin.cam.ac.uk/reporter/regent_house_roll/.

Audit Committee terms of reference

3 November 2022

The Council, on the recommendation of the Audit Committee, is proposing an amendment to the terms of reference for the Audit Committee. The amendment seeks to clarify the Committee's role with regard to Cambridge University Press and Assessment and strengthen the link between the Committee and the Audit Committee of the Press and Assessment Board (PAB). A previous Grace proposing a different amendment to achieve the same aim was withdrawn (*Reporter*, 6670, 2022–23, p. 28). The Audit Committee considers that the revised amendment aligns more closely with Statute J.

The Council is submitting a Grace (Grace 1, p. 116) for the approval of the changes to the Ordinance for the Audit Committee.

Election of a member of the Council's Finance Committee in class (b)

9 November 2022

There will be a vacancy on the Council's Finance Committee for a member of the Regent House, elected by representatives of the Colleges, to serve for three years from 1 January 2023.

The election is conducted in accordance with the Single Transferable Vote regulations and voting is by postal ballot.

Nominations should be sent to the Director of Governance and Compliance (email: HdGCDEA@admin.cam.ac.uk) and must include a statement by the person nominated confirming willingness to serve on the Finance Committee. The deadline for receipt of nominations and statements is **12 noon on Tuesday**, **22 November 2022**. Nominations should be supported by the signatures of two members of the Regent House.

If a ballot is necessary, papers will be dispatched by Monday, 28 November, for return by 12 noon on Friday, 9 December 2022.

Sustainability Strategy Green Paper: Comments by 9 December 2022

The University's Sustainability Team invites comments from the University community on the development of a new Sustainability Strategy for the University. A Green Paper, developed in concert with the Cambridge Institute of Sustainability Leadership, sets out the current thinking. Staff and students interested in helping shape the development of the Strategy and/or providing feedback are asked to do so via an online survey by **Friday**, **9 December 2022**.

The Green Paper, a link to the online survey, and further information on the strategy and its development are available on the Sustainability website at https://www.environment.admin.cam.ac.uk/policy/under-development-sustainabilitystrategy-2023-onwards; questions about the process may also be addressed to the Sustainability Team by email to sustainabilitystrategy@admin.cam.ac.uk.

VACANCIES, APPOINTMENTS, ETC.

Election, appointments and grants of title

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

Election

Professor John Joseph Wallis, B.A., M.A., Ph.D., *Washington*, Professor of Economics, University of Maryland, elected visiting Pitt Professor of American History and Institutions from 3 October 2022 until 2 October 2023, assigned to the Faculty of Economics.

Appointments

Esquire Bedell

Mr Jake Joseph Humbles, M.A., *PET*, appointed from 3 August 2022 until the retiring age and subject to a probationary period of nine months.

University Associate Professors (Grade 10)

Physiology, Development and Neuroscience. Dr Joo Hyeon Lee, B.Sc., M.Sc., *Korea*, Ph.D., *Korea Advanced Institute of Science and Technology, ISSCR*, appointed from 1 September 2022 until the retiring age and subject to a probationary period of five years.

Haematology. Dr Elisa Laurenti, M.Sc., Bologna, Ph.D., Lausanne, appointed from 1 October 2022 until the retiring age and subject to a probationary period of five years.

University Associate Professor (Grade 9)

Applied Mathematics and Theoretical Physics. Dr Alejandra Castro Anich, Licenciatura en Astronomia, University of Chile, Ph.D., Michigan, appointed from 1 October 2022 until the retiring age.

University Assistant Professors

Architecture and History of Art. Mr Kareem Christopher Estefan, *CHR*, B.A., *New York*, M.F.A., *School of Visual Arts*, *New York*, M.A., Ph.D., *Brown*, and Ms Xin Peng, *W*, B.A., *Chinese University of Hong Kong*, M.A., *Chicago*, Ph.D., *Washington*, appointed from 1 September 2022 until the retiring age and subject to a probationary period of five years.

Classics. Dr Shushma Kiran Malik, *N*, B.A., M.A., Ph.D., *Bristol*, Dr Lea Niccolai, Ph.D., *T*, B.A., M.A., *Pisa*, and Dr Henry Lawlor Spleman, *CHR*, B.A., *North Carolina*, M.St., D.Phil., *Oxford*, appointed from 1 September 2022 until the retiring age and subject to a probationary period of five years. Dr Laura Maria Castelli, *CL*, M.A., Diploma di licenza in Filosofia, Ph.D., *Pisa*, appointed from 1 October 2022 until the retiring age and subject to a probationary period of five years.

Criminology. Dr Charles Christian Lanfear, M.P.P., *Oregon*, M.A., Ph.D., *Washington*, appointed from 1 September 2022 until the retiring age and subject to a probationary period of five years. Dr Arushi Garg, *W*, M.Phil., B.C.L., D.Phil., *Oxford*, appointed from 3 October 2022 until the retiring age and subject to a probationary period of five years.

Education. Dr Van Phung Dao, B.A., An Giang University, Vietnam, M.A., Queensland, Ph.D., Concordia, appointed from 1 October 2022 until the retiring age and subject to a probationary period of five years.

Engineering. Dr Matteo Seita, *JN*, B.Sc., M.Sc., *Politecnico di Torino*, Ph.D., *Zurich*, appointed from 1 September 2022 until the retiring age and subject to a probationary period of five years.

History. Dr Jacob Maren Rutledge Currie, B.A., *Toronto*, M.Phil., Ph.D., *T*, appointed from 6 September 2022 until the retiring age and subject to a probationary period of three years.

Judge Business School. Dr Hwa Young Kim, B.A., M.Sc., Yonsei University, Seoul, Ph.D., California, Los Angeles, and Ms Virginia Hotchkiss Leavell, B.A., Georgetown, M.A., Ph.D., California, Santa Barbara, appointed from 1 September 2022 until the retiring age and subject to a probationary period of five years. Dr Sarah Kroechert, B.Sc., Bayreuth, M.Sc., Ph.D., Humboldt University of Berlin, appointed from 17 August 2022 until the retiring age and subject to a probationary period of five years.

Modern and Medieval Languages and Linguistics. Dr Daria Ezerova, B.A., Lomonosov Moscow State University, M.Phil., Ph.D., Yale, and Dr Carlos Manuel Fonseca Suarez, T, B.A., Stanford, Ph.D., Princeton, appointed from 1 September 2022 until the retiring age and subject to a probationary period of five years.

Pathology / Biochemistry. Dr Jeanne Salje, Ph.D., JE, M.Bioc., Oxford, appointed from 1 August 2022 until the retiring age and subject to a probationary period of five years.

Philosophy. Dr Sophia Claire Dandelet, B.A., Ph.D., *California, Berkeley*, appointed from 5 September 2022 until the retiring age and subject to a probationary period of three years.

Physics. Dr Paul Brandon Rimmer, B.Sc., *Colorado*, Ph.D., *Ohio*, appointed from 1 July 2022 until the retiring age and subject to a probationary period of five years.

Physiology, Development and Neuroscience. Dr Sepiedeh Keshavarzi, M.D., Tehran University of Medical Sciences, Ph.D., Queensland, appointed from 1 May 2023 until the retiring age and subject to a probationary period of five years.

Psychiatry. Dr Varun Warrier, M.Phil, Ph.D., *CTH*, B.A., *Madras Christian College*, M.Sc., *UCL*, appointed from 10 October 2022 until the retiring age and subject to a probationary period of five years.

Psychology. Dr Lee Howard De-Wit, *T*, B.Sc., *Bristol*, M.A., Ph.D., *Durham*, appointed from 1 October 2022 until the retiring age and subject to a probationary period of five years.

Curator of the Whipple Museum of the History of Science

History and Philosophy of Science. Dr Joshua Fordor Kellogg Nall, M.Phil., Ph.D., *CHU*, M.Chem., *Oxford*, appointed from 1 October 2022 until the retiring age and subject to a probationary period of five years.

Senior Assistant Registrary

University Offices (Estates Division). Mr Colin Charles High appointed from 1 January 2022 until the retiring age.

Senior Computer Officers

University Offices (Information Services). Mr Douglas Youngson appointed from 1 August 2022 until the retiring age.

GRANTS OF TITLE

Affiliated Lecturers

Classics. Dr Christian Keime and Dr Maya Feile Tomes, *MUR*, have been granted the title of Affiliated Lecturer from 1 October 2022 for two years. Dr Max Leventhal, Dr Sara Owen, *F*, and Dr Cédric Scheidegger have been granted the title of Affiliated Lecturer from 1 October 2022 for a further two years.

Computer Science and Technology. Dr Raoul-Gabriel Urma has been granted the title of Affiliated Lecturer from 1 October 2022 for one year. Ms Mariana-Cristina Marasoiu has been granted the title of Affiliated Lecturer from 1 October 2022 for a further one year.

Divinity. Dr Julian Richard Gotobed, Dr Judson David Greene, Dr Joel Richard Humann, Dr Aaron Reuven Leigh, Dr Jennifer Sarah Leith and Dr Karen O'Donnell have been granted the title of Affiliated Lecturer from 1 October 2022 for two years. Ms Nadira Auty, Dr Hjoerdis Becker-Lindenthal, Dr Andrew Jason Byers, Dr Marieke Dhont, Dr Sarah Dunlop, Dr Jonathan Duquette, Dr James Theordore Douglas Gardom, *PEM*, Dr Jesse Richard Grenz, Dr Philip Samuel Johnston, *HH*, Dr Dirk Jongkind, *ED*, Dr Simone Agnes Ingridsdotter Kotva, Dr Louise Nelstrop, Dr Robert Pope, Dr Ruth Elizabeth Ravenscroft, Dr Jonathan Soyars, Dr Peter John Williams and Dr Naomi Anne Wormell have been granted the title of Affiliated Lecturer from 1 October 2022 for a further two years.

Education. Dr Fiona Maine has been granted the title of Affiliated Lecturer from 1 September 2022 for two years. Ms Lisa Chung-How, Ms Juliet Davies, Ms Shelley Desborough, Dr William Farr, Mr Paul Hazlehurst, Ms Charlotte Martin, Ms Carey Mayzes, Dr Hale Ogel Balaban, Dr Laura Oxley, Ms Rebecca Pentney and Ms Emily Shortland have been granted the title of Affiliated Lecturer from 1 October 2022 for two years. Ms Vivien Corrie-Wing, Ms Esther Hunt, Mr Charles Pettit, Dr Matthew Sparkes and Ms Caroline Venn have been granted the title of Affiliated Lecturer from 1 October 2022 for a further two years.

Engineering. Professor William Nuttall, Mr Tony Roulstone and Dr Petitia Tzokova, *EM*, have been granted the title of Affiliated Lecturer from 1 October 2022 for a further one year.

Vacancies in the University

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

Professorship of Geography (1931) in the Department of Geography; tenure: from 1 October 2023 or as soon as possible thereafter; informal enquiries: Professor Mike Hulme, Convenor of the Board of Electors and Head of the Department (email: mh903@cam.ac.uk); closing date: 6 January 2023; further details: https://www.jobs.cam.ac.uk/ job/38055/; quote reference: LC34095

Professorship of Physical Geography in the Department of Geography; tenure: from 1 October 2023 or as soon as possible thereafter; informal enquiries: Professor Mike Hulme, Convenor of the Board of Electors and Head of the Department (email: mh903@cam.ac.uk); closing date: 10 January 2023; further details: https://www.jobs.cam.ac.uk/ job/38060/; quote reference: LC34102

Unilever Professorship of Molecular Sciences Informatics in the Yusuf Hamied Department of Chemistry; tenure: from 1 October 2023 or as soon as possible thereafter; informal enquiries: Dr James Keeler, Convenor of the Board of Electors and Head of the Department (email: hod@ch.cam.ac.uk); closing date: 30 January 2023; further details: https://www.jobs.cam.ac.uk/job/37878/; quote reference: MA33944

The University actively supports equality, diversity and inclusion and encourages applications from all sections of society.

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

NOTICES BY THE GENERAL BOARD

New administering body for non-member awards

2 November 2022

The General Board has approved the Degree Committee for the Faculty of Engineering as an administering body for the purposes of the General Board Regulations for Diplomas and Certificates Open to Non-members of the University (*Statutes and Ordinances*, 2021, p. 608). The footnote attached to the regulations will be amended to acknowledge this approval.

Establishment of a Professorship of Organisational Behaviour

2 November 2022

The General Board, on the recommendation of the Faculty Board of Business and Management and the Council of the School of Technology, seeks approval for the establishment in perpetuity of a Professorship of Organisational Behaviour from 1 January 2023, assigned to the Judge Business School. The Chair of the Resource Management Committee approved the funding arrangements for the Professorship under delegated authority on 17 October 2022.

The Professorship will be fully funded from non-Chest postgraduate fee income (including from the Judge Business School's M.Phil., M.B.A. and E.M.B.A. programmes). The post-holder will join the Judge Business School's Organisational Behaviour (OB) group which covers important areas of leadership and people management that concern almost every professional in a management position. Hence, this topic makes important contributions to managers and employees across business sectors. OB is a 'core course' in the M.B.A. and E.M.B.A. programmes and also covers various electives concerned with more specific concentrations of leadership and people management, such as persuasion and influence, negotiation, or leading change.

The new Professor, together with the appointment to the KPMG Professorship of Management Studies, will provide critical mass to what is a relatively small research group (four academic staff) within the Judge Business School. The size of the OB group imposes challenges to create the synergies and economies of scale to develop and maintain a programme of research and teaching that is of the highest standards. The post-holder is expected to offer senior leadership to the OB group, contribute to the wider Business School, and strengthen the OB group's presence in the global OB arena through the post-holder's networks and external engagements. The appointment of a new Professor in OB will strengthen the Judge Business School's reputation in this area. In addition, the post-holder is expected to teach across programmes and to make administrative contributions to the group and the Judge Business School.

The Council is submitting a Grace (Grace 2, p. 116) for approval of the Board's proposal to establish the Professorship.

NOTICES BY FACULTY BOARDS, ETC.

Historical Tripos, Part IA, 2022–23: Outline and Sources papers

The Faculty Board of History gives notice that the options for Part IA of the Historical Tripos (*Reporter*, 6666, 2021–22, p. 655) in 2022–23 will be as follows:

Outline papers:

	F.F
01	Ancient and medieval societies and states over the first millennium
02	The British Isles in the Middle Ages, c. 800 to c. 1500
03	Medieval Europe c. 1100–1450
04	Early modern Britain
05	Europe and the world, c. 1450–1780
06	The global eighteenth century
07	Modern Britain and Ireland
08	Modern Europe, 1789–1914
09	North America, Central America and the Caribbean since 1775
O10	The Global South from 1750 to the present day
011	The twentieth-century world
Sources	naners:
Sources S1	
S1 S2	Vindicating revolution, 1562–1795
S2 S3	Making and spending money in medieval England
55 S4	Imagining the African economy Collecting and collections
S4 S5	A tale of one city: Space and place in eighteenth-century London
	Arab intellectual history, c. 1856–1967
57 58	A medieval history and its material context: An introduction to fifteenth-century books
	A medieval history and its material context. An introduction to inteenti-century books
S9 S12	From question to tragedy: Imperialism, humanitarianism and the Armenian Genocide, 1870–1920 How to read a newspaper
S12 S13	Labours lost: Working lives across continents
S13	Film and propaganda in Nazi Germany
S14 S16	Travel and trade in the medieval world
S10 S17	Letters in Antiquity
S17	Children and childhood in early modern England
S18 S19	Egypt in the British political imagination, 1801–1882
S19 S20	Reading early modern Asian empires
520	Keaung earry mouern Asian empires

Mathematical Tripos, Part III, 2022–23: Papers

The Faculty Board of Mathematics gives notice that, in accordance with Regulations 15 and 16 of the Mathematical Tripos (*Statutes and Ordinances*, 2021, p. 391), there will be set in 2023 if candidates desire to present themselves therein, a paper in each of the subjects in the following list. The duration of the paper is also shown.

101	Commutative algebra	3 hours
102	Lie algebras and their representations	3 hours
105	Analysis of partial differential equations	3 hours
106	Functional analysis	3 hours
107	Elliptic partial differential equations	3 hours
109	Combinatorics	2 hours
113	Algebraic geometry	3 hours
114	Algebraic topology	3 hours
115	Differential geometry	3 hours
116	Large cardinals	2 hours
118	Complex manifolds	3 hours
119	Category theory	3 hours
120	Logic and computability	3 hours
122	Extremal and probabilistic combinatorics	2 hours
123	Algebraic number theory	3 hours
124	Introduction to computational complexity	2 hours
125	Elliptic curves	3 hours
126	Abelian varieties	2 hours

120	Damage theory	2	h 0.1140
130 136	Ramsey theory Local fields		hours
	Local fields Modular forms		hours
137			hours
142	Characteristic classes and K-theory		hours
144	Model theory		
151	Group cohomology		hours
154	Introduction to non-linear analysis		hours
160	Representation theory of symmetric groups		hours
201	Advanced probability		hours
202	Stochastic calculus and applications		hours
203	Schramm-Loewner evolutions		hours
205	Modern statistical methods		hours
207	Statistics in medicine		hours
208	Concentration inequalities		hours
209	Lattice models		hours
210	Topics in statistical theory		hours
211	Advanced financial models		hours
216	Bayesian modelling and computation		hours
218	Statistical learning in practice		hours
221	Causal inference		hours
224	Information theory		hours
225	Functional data analysis		hours
301	Quantum field theory		hours
302	Symmetries, fields and particles		hours
303	Statistical field theory		hours
304	Advanced quantum field theory		hours
305	The standard model	3	hours
306	String theory	3	hours
307	Supersymmetry and duality	3	hours
309	General relativity	3	hours
310	Cosmology		hours
311	Black holes	3	hours
312	Field theory in cosmology	3	hours
313	Solitons, instantons and geometry	2	hours
314	Astrophysical fluid dynamics	3	hours
315	Extrasolar planets: Atmospheres and interiors	3	hours
317	Structure and evolution of stars	3	hours
319	Unbounded operators and semigroups	2	hours
320	Modern stellar dynamics	2	hours
321	Dynamics of astrophysical discs	2	hours
324	Quantum computation	3	hours
329	Slow viscous flow	3	hours
331	Hydrodynamic stability	2	hours
333	Fluid dynamics of climate	3	hours
335	Direct and inverse scattering of waves	2	hours
336	Perturbation methods		hours
337	Applications of quantum field theory		hours
339	Topics in convex optimisation	2	hours
341	Numerical solution of differential equations	3	hours
342	Topological quantum matter		hours
344	Theoretical physics of soft condensed matter	2	hours
347	Astrophysical black holes		hours
349	The life and death of galaxies		hours
352	Non-Newtonian fluid mechanics		hours
354	Gauge/gravity duality		hours
355	Biological physics and fluid dynamics		hours
356	Stochastic processes in biology		hours
	F		

The Faculty Board reminds candidates and Tutors that requests for papers to be set on additional subjects should be sent to the Secretary of the Faculty Board, c/o the Undergraduate Office, Faculty of Mathematics, Wilberforce Road (faculty@maths.cam.ac.uk) not later than 9 November 2022.

Natural Sciences Tripos, Part III: Entry requirements, 2023-24

The Committee of Management for the Natural Sciences Tripos, in consultation with the Faculty Boards of Physics and Chemistry, Biology, Earth Sciences and Geography, and the Board of History and Philosophy of Science, has defined the standards required for entry to each subject of Part III of the Natural Sciences Tripos (see Regulation 5(*a*) for the Tripos (*Statutes and Ordinances*, 2021, p. 419)), with effect from the courses commencing in the academic year 2023–24, as follows:

Astrophysics

In order to be a candidate for honours in Astrophysics in Part III of the Natural Sciences Tripos, a student should have obtained at least a II.1 in Astrophysics or Physics, or in Part II of the Mathematical Tripos. Candidates will be considered on a case-by-case basis so that it can be ascertained that they have a good grasp of at least three appropriate applied mathematics courses in the examination.

Biochemistry

In order to be a candidate for honours in Biochemistry in Part III of the Natural Sciences Tripos, a student should have obtained at least a II.1 in Biochemistry in Part II of the Natural Sciences Tripos.

Chemistry

In order to be a candidate for honours in Chemistry in Part III of the Natural Sciences Tripos, a student should have obtained at least a II.1 in Chemistry in Part II of the Natural Sciences Tripos.

Earth Sciences

In order to be a candidate for honours in Earth Sciences in Part III of the Natural Sciences Tripos, a student should normally:

either have obtained at least a II.1 in Earth Sciences in Part II of the Natural Sciences Tripos;

or have obtained a II.1 in Part II Physical Sciences with at least 70% in Half Subject Earth Sciences.

Materials Science

In order to be a candidate for honours in Materials Science in Part III of the Natural Sciences Tripos, a student should have obtained at least a II.1 in Materials Science in Part II of the Natural Sciences Tripos.

History and Philosophy of Science

In order to be a candidate for honours in History and Philosophy of Science in Part III of the Natural Sciences Tripos, a student should have obtained at least a II.1 in History and Philosophy of Science in Part II of the Natural Sciences Tripos.

Students who have not taken History and Philosophy of Science in Part II of the Natural Sciences Tripos will be considered on a case-by-case basis. These students should have obtained at least a high II.1 overall class in Part II.

Physics

In order to be a candidate for honours in Physics in Part III of the Natural Sciences Tripos a student should have obtained at least a II.1 in Physics in Part II.

Students who have not taken Physics in Part II of the Natural Sciences Tripos (for example, those who have read Part II of the Mathematical Tripos, Part II Astrophysics, or Part II Physical Sciences Half Subject Physics) will be considered on a case-by-case basis. These students should usually have obtained at least a high II.1 overall class in Part II and have covered an appropriate range of courses in physics.

Systems Biology

In order to be a candidate for honours in Systems Biology in Part III of the Natural Sciences Tripos, a student should:

- have obtained at least 55% in either Mathematics or Mathematical Biology in Part IA of the Natural Sciences Tripos;
 - or have obtained at least 55% in Mathematics in Part IB of the Natural Sciences Tripos;
 - or have obtained at least 55% overall in Part IB of the Mathematical Tripos

and

(2) have obtained at least a II.1 in Part II of the Natural Sciences Tripos or Mathematical Tripos. The subject choices taken in Parts I and II will be taken into consideration alongside the application statement and results achieved to date when making provisional decisions.

All subjects

In addition to the standards mentioned above, candidates should have fulfilled any subject prerequisites as outlined in the appropriate programme specification.

The application process for each subject is defined on the subject webpage together with details of any constraints on numbers or additional information that may be required.

Consideration of special cases

A student who has not met the required standard or who has not offered the required subjects as specified above, or who has not complied with the published deadline for receipt of applications, may request consideration as a special case. A request for special consideration should be forwarded by the student's Director of Studies or Tutor to the Secretary of the relevant Faculty Board using the pro forma provided, at the earliest opportunity and, at the latest, within two weeks of the results being announced. The Director of Studies or Tutor should state the reasons for requesting dispensation, confirm that the College supports the request and is able to support the student, and believes that the student will be capable of undertaking the Part III course successfully. The application must be accompanied by copies of supervision reports, and a detailed breakdown of the student's marks, year by year and subject by subject. The Committee nominated by the Faculty Board to consider special cases is not expected to consider circumstances of a nature on which the Examination Access and Mitigation Committee would normally make a judgement.

Representations regarding progression decisions are allowed for under the review procedure for examinations for undergraduate and certain other qualifications.

REPORTS

Report of the Council in response to Grace 1 of 21 April 2022 on the Universities Superannuation Scheme

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

1. In March 2022, the Council received a Grace initiated by members of the Regent House on the Universities Superannuation Scheme (USS). The Grace included a request that the Council publish a Report by 9 November 2022 'on detailed alternative means of maintaining, in the short and medium term, the total remuneration and retirement package of the University's USS members, in the event that the benefits delivered under the 2020 valuation or a new valuation are materially less than those available to those members as of February 2022' (*Reporter*, 6654, 2021–22, p. 432). The Council indicated it was willing to provide such a Report and Grace 1 of 21 April 2022 was subsequently approved. This is the Council's Report providing the information requested.

The problem

2. Under the prevailing UK approach to pension valuation, the level of benefits that could be 'afforded' for a given level of pension contributions in the UK had been decreasing steadily for 10-20 years in the period up to the finalisation of the 2020 USS valuation. There were two drivers for this reduction:

- (*a*) a significant decline in real interest rates (the rate of interest after deducting expected inflation), most recently driven by the central bank quantitative easing programmes following the financial crisis of 2008 and then the Covid-19 pandemic in 2020; and
- (b) an increasingly risk-averse UK regulatory regime which has had the effect of encouraging pension funds to invest heavily in assets which match their liabilities, even though these are expected to deliver a very low return.

3. The resulting costs of defined benefit pension (DB) schemes have caused the vast majority of these schemes to close to new employees or to close completely. The USS has not closed its DB accrual but new benefits have been severely reduced and costs (member and employer) have risen significantly.

4. The Council, on behalf of the University, has consistently argued that USS should seek to differentiate itself more in its valuation methodology from the standard approach given the difference in the USS scheme to the vast majority of UK schemes. While this would probably have mitigated some of the cuts, it would almost certainly not have eliminated them. 5. The Council notes that the University is constrained by the USS exclusivity rule and the moratorium on exits from the Scheme. Hence, at this stage, providing benefits through a different scheme is not a viable solution for USS-eligible employees.

The most promising short- and long-term solutions

6. Since March 2022, as central banks have concentrated on fighting inflation, long-term real interest rates have increased significantly, meaning that future expected returns are higher and the level of pension benefits that can be afforded for a given level of contributions has increased materially. The latest USS monitoring metrics as at 30 June 2022 provide the following comparison with the date of the valuation:

	31 March 2020	30 June 2022
Assets (£bn)	66.5	77.6
Liabilities (£bn)	80.6	75.8
Deficit (£bn)	14.1	-1.8
Future service cost ¹	25.2%	21.2%
Deficit recovery contributions	6.2%	0.0%
Total contributions	31.4%	21.2%

¹ This is the future service cost for the reduced benefits that came into effect on 1 April 2022.

7. Monitoring metrics are not the same as the results of a full valuation. However, they do indicate that USS would have had a £1.8bn surplus as at 30 June 2022 against a £14.1bn deficit as at 31 March 2020. Furthermore, in terms of contributions, the monitoring metrics suggest that no deficit recovery would be required and the contributions required for current benefits would be c. 21% at June 2022 – a full 10% of salary less than the contributions currently being made.

8. While the position is volatile (it was worse at the end of July and better at the end of September), there seems to be a real prospect of the funding position being good enough at the next valuation in March 2023 to restore the vast majority (or all) of the benefits that were accruing to members as at February 2022. It is also likely that it will be possible retrospectively to remove the 2.5% inflation cap permanently on the current benefit accrual returning to the previous 'soft cap'.

9. Despite the improvement in the market position, the regulatory position has continued to worsen, with increasing levels of risk-aversion and a continued focus on pension funds investing in matching low-returning assets (see the Council's response to the latest consultation from the Department for Work and Pensions in the Annex to this Report). While there is a different regime for open schemes, the regulations will undoubtedly have an effect on schemes such as USS, which will need to plan for the eventuality that they might close and need to move to purchase low-return matching assets.

10. The Council will continue to argue against the imposition of inappropriate legislation and regulation. However, it is possible that the best way of addressing the increasingly risk-averse regulatory position is with some kind of conditional benefits (**for future accrual only** – benefits from past service would remain unchanged). Essentially the Pensions Regulator is asking the USS Trustee to make sure it is able to pay benefits assuming:

- (a) the Scheme closes;
- (b) investment returns are much worse than expected; and
- (c) the Higher Education sector is unable (some time after the Scheme closes) to make any further top-up payments to address any deficits that then do arise.

This results in benefits being severely reduced up front. An alternative is not to reduce benefits up front but to say that the benefits will only go down if the above events actually happen, and to provide for an **increase** in benefits if investment returns do match or exceed expectations. USS has a working group exploring this issue in which the University is heavily involved. There is a good precedent in the form of the Ontario Teachers' Pension Plan, which has been able to pay out significantly higher benefits with lower contributions than USS using a conditional benefits approach.

Steps the University will be taking

11. In the short term (six months to one year), the Council, on behalf of the University, will:

(a) support the quickest possible implementation of a March 2023 valuation;

9 November 2022

- (b) call on USS to provide full transparency for the valuation methodology and metrics as well as to consider alternative risk metrics more appropriate to an open scheme with strong employer sponsors;
- (c) continue to provide the existing level of covenant support;
- (d) oppose any suggested unnecessary increase in prudence in the valuation assumptions;
- (e) support an improvement in benefits over a reduction in costs in relation to the cost of benefit accrual (unless otherwise agreed with UCU);
- (f) support a retrospective removal of the 2.5% inflation cap (i.e. a return to the previous 'soft cap') for the benefits built up from April 2022 ahead of cutting deficit recovery contributions;
- (g) support early implementation of other benefit improvements even ahead of the 2023 valuation if possible;
- (h) press for a valuation and benefits framework that offers greater stability in overall benefits and costs over multiple valuations.

12. In the short to medium term (one to two years), the Council will continue to explore conditional benefit design (e.g. conditional indexation) to see if such mechanisms can provide a materially better and more sustainable set of benefits for members for a given level of contributions.

13. If the benefits are not restored as a result of the valuation as at March 2023 to those available to members as of February 2022 (or something substantially equivalent as agreed with UCU) then the Council will publish a Report again, as soon as practicably possible, on detailed alternative means of maintaining, in the short and medium term, the total remuneration and retirement package of the University's USS members.

14. There will be an opportunity to comment on the contents of this Report at a Discussion on 6 December 2022 (see p. 105). The Council will receive those comments at its meeting on 23 January 2023 and expects to publish a Notice in response shortly after that meeting.

7 November 2022	Anthony Freeling, Acting Vice-Chancellor Zaynab Ahmed Madeleine Atkins Gaenor Bagley Sam Carling R. Charles Anthony Davenport	Sharon Flood Heather Hancock Nicholas Holmes Amelia Jabry Ann Kaminski Philip Knox Mark Lewisohn Maria Manuel Lisboa	Sally Morgan Richard Penty Pippa Rogerson Andrew Sanchez Michael Sewell Pieter Van Houten
		WIAKIA WIANOEL LISBOA	

ANNEX

DWP Consultation Response – University of Cambridge

Response, approved by the University Council at its meeting on 17 October 2022, to a consultation by the Department for Work and Pensions (DWP) on proposed new rules covering the funding of defined benefit pension schemes, see https://www.admin.cam.ac.uk/cam-only/reporter/2022-23/weekly/6675/Cambridge-DWP-DB-Consultation-Response.pdf (Raven required).

Report of the General Board on the introduction of the degree of Master of the Conservation of Easel Paintings in the Faculty of Architecture and History of Art

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

1. The General Board proposes that a new degree of Master of the Conservation of Easel Paintings (M.C.E.P.) be introduced from October 2023.

2. The proposal has been submitted by the Faculty Board of Architecture and History of Art and has the support of the Hamilton Kerr Institute, the Council of the School of Arts and Humanities and the General Board's Education Committee.

3. Under the current arrangements, successful completion of the three-year full-time course leads to the Diploma in the Conservation of Easel Paintings. The course is a unique and longstanding offering at Cambridge, with significant practice-based elements. This award no longer adequately conveys the level and length of the course and the proposed new degree would bring it in line

with comparable offerings nationally and internationally. The General Regulations for the degree of Master of Philosophy by Advanced Study do not accommodate a three-year course.

4. The General Board is persuaded that in order to highlight the particular characteristics of the course and to distinguish it from other courses within the University, the different degree title of Master of the Conservation of Easel Paintings is necessary. The new course will replace the Diploma in the Conservation of Easel Paintings, which will be rescinded.

5. There are no concerns about the intellectual content or academic standards of the course, so course content and workload will remain largely unchanged. The change in award requires no additional resources or amendment to fees.

6. The General Board recommends:

I. That the degree of Master of the Conservation of Easel Paintings be established with effect from 1 October 2023, with the General Board Regulations as set out in Annex I, and the Special Regulations for the Diploma in the Conservation of Easel Paintings (*Statutes and Ordinances*, 2021, p. 592) be rescinded from the same date.

II. That, if Recommendation I is approved, consequential amendments be made to Special Ordinance, Ordinance and General Board Regulations, as set out in Annex II.

7 November 2022	ANTHONY FREELING,	John Dennis	ANNA PHILPOTT
	Acting Vice-Chancellor	Tim Harper	Emily So
	MADELEINE ATKINS	NICHOLAS HOLMES	BHASKAR VIRA
	Neve Atkinson	PATRICK MAXWELL	CHRIS YOUNG
	ANN COPESTAKE	NIGEL PEAKE	

Annex I

MASTER OF THE CONSERVATION OF EASEL PAINTINGS

1. The degree of Master of the Conservation of Easel Paintings (M.C.E.P.) shall be awarded on completion of a three-year course of advanced study prescribed by the Faculty Board of Architecture and History of Art in consultation with the Director of the Hamilton Kerr Institute, provided that a candidate has kept at least three terms. For the purpose of this regulation graduates of the University may count previous residence as a registered student.

2. A candidate for the degree must be approved by the Degree Committee of the Faculty of Architecture and History of Art.

3. The examination for the first year of the degree shall consist of:

(a) three written papers:

- (i) Practical conservation;
- (ii) Science of materials;
- (iii) Theory of conservation;

and

- (b) three areas of studio work:
 - (iv) Laboratory practical;
 - (v) Examination of a painting;
 - (vi) Photography practical.

- 4. The examination for the second year shall consist of:
- (a) a portfolio of studio-work, assessed by a viva voce examination;

and

- (b) four essays of not more than 3,000 words in length, on topics chosen by the candidate in consultation with their supervisors and subject to the approval of the Degree Committee, from within the following subject areas:
 - (i) Historical aspects;
 - (ii) Technical aspects;
 - (iii) Environmental impact;
 - (iv) Material behaviour;
 - (v) Studio practices;
 - (vi) Ethical issues;
 - provided that a candidate may not offer more than one essay per subject area;

and

- (c) two practical reports of not more than 3,000 words in length on condition and treatment, and on technical examination, respectively.
- 5. The examination for the third year shall consist of:
- (*a*) a Conservation Project, accompanied by a report of no more than 10,000 words in length, on a subject area approved by the Degree Committee;

and

(b) a Copy, i.e. the examination of a painting and the reproduction of the artist's technique, accompanied by a report of not more than 5,000 words in length;

and

(c) a portfolio of studio-work;

and

(d) a viva voce examination on any or every aspect of the work submitted for this examination.

6. The Degree Committee shall nominate such number of Examiners and Assessors for each examination as it deems sufficient.

7. Those who have taken this examination shall not be entitled to count any part of the period during which they were a candidate for this examination towards the residence requirements of any other postgraduate degree within the University.

ANNEX II

- By adding 'Master of the Conservation of Easel Paintings' to the list of primary degrees in Section 1 of Special Ordinance B (i) (*Statutes and Ordinances*, 2021, p. 76).
- (ii) By adding a reference to the degree of Master of the Conservation of Easel Paintings in the following regulations:
 - (a) Ordinance for Residence and Precincts of the University (Statutes and Ordinances, 2021, p. 178): Regulation 9(a).
 - (b) General Regulations for Examiners and Assessors (*Statutes and Ordinances*, 2021, p. 259): Regulation 9 and paragraph (c) of the Schedule.
- (iii) By amending the Ordinance for Admission to Degrees (Statutes and Ordinances, 2021, p. 180) as follows:
 - (a) By inserting 'the Conservation of Easel Paintings' in the Forms of Presentation for Degrees, before the reference to Design.
 - (b) By inserting the following in the Schedule to the Forms of Admission to Degrees, before the reference to the M.Des. Degree:

For the M.C.E.P. Degree Magistri in Picturae Conservatione

- (iv) By inserting a reference to the Masters of the Conservation of Easel Paintings in the Ordinance on the Order of Seniority of Graduates (*Statutes and Ordinances*, 2021, p. 186), after the Masters of Studies.
- (v) By amending the Ordinances for Academical Dress (Statutes and Ordinances, 2021, p. 187) as follows:
 - (*a*) In the regulations for Black Gowns, by adding before the entry for the M.Des. Degree 'M.C.E.P.: the M.A. gown but with a circle of cord on the sleeve;'
 - (b) In the regulations for Hoods, by adding before the entry for the M.Des. Degree 'M.C.E.P.: the M.A.St. hood but with a part lining of white silk four inches (10 cm) deep;'
- (vi) General Regulations for Certain Postgraduate Degrees and Other Qualifications (*Statutes and Ordinances*, 2021, p. 454): by inserting a reference to the M.C.E.P. in Regulation 12(d)(iii) and in the Schedule, after the reference to the M.Phil. by advanced study.

- (vii) By removing the references to the Diploma in the Conservation of Easel Paintings in the following regulations:
 - Ordinance on Classes of Persons Qualified to Matriculate (*Statutes and Ordinances*, 2021, p. 170, as amended by Grace 7 of 27 July 2022): Paragraph (c).
 - Ordinance on Entries and Lists of Candidates for Examinations (*Statutes and Ordinances*, 2021, p. 251): Regulation 11.
 General Board Regulations for Degree Committees (*Statutes and Ordinances*, 2021, p. 627): Regulation 6(*d*) and Schedule II.

GRACES

Graces submitted to the Regent House on 9 November 2022

The Council submits the following Graces to the Regent House. These Graces, unless they are withdrawn or a ballot is requested in accordance with the regulations for Graces of the Regent House (*Statutes and Ordinances*, 2021, p. 111), will be deemed to have been approved at **4 p.m. on Friday**, **18 November 2022**.

1. That new sub-paragraph (m) be inserted in Regulation 1 of the Ordinance for the Audit Committee (*Statutes and Ordinances*, 2021, p. 1086) and the remaining sub-paragraphs renumbered.¹

(*m*) to satisfy itself as to the appropriateness of risk management, assurance and audit processes of Cambridge University Press and Assessment;

2. That, on the recommendation of the General Board, a Professorship of Organisational Behaviour be established in perpetuity from 1 January 2023 (or such later date as the General Board shall determine), placed in the Schedule to Special Ordinance C (vii) 1, and assigned to the Judge Business School.²

¹ See the Council's Notice, p. 105.

² See the General Board's Notice, p. 108.

E. M. C. RAMPTON, *Registrary* END OF THE OFFICIAL PART OF THE 'REPORTER'

COLLEGE NOTICES

Elections

Newnham College

Elected to an Honorary Fellowship from 21 October 2022:

Jenn Ashworth, M.A., *N*, M.A., *Manchester*, Ph.D., PG Cert (Academic Practice), *Lancaster*

Elected to a Fellowship Emerita in Category G from 21 October 2022:

Augusta McMahon, B.A., Bryn Mawr, M.A., Ph.D., Chicago

Pembroke College

Elected to the Drapers' Company Research Fellowship from 1 October 2022:

Connie Bloomfield-Gadêlha, B.A., *Oxford*, M.Phil., *LC*, Ph.D., *KCL*

Elected to the Maudslay–Butler Research Fellowship from 1 October 2022:

Thomas Lawrence Chaffey, B.Sc., M.P.E., *Sydney* (Cambridge Ph.D. candidate)

Elected to the Ron Thomson Research Fellowship from 1 October 2022:

Zenon Toprakcioglu, M.Sc., UCL, Ph.D., SID

Elected into a Supernumerary Fellowship with effect from 8 November 2022:

Lorenzo Di Michele, B.Sc., M.Sc., L'Aquila, Ph.D., CC

Elected into a Supernumerary Fellowship with effect from 8 November 2022:

Flavia Mancini, B.A., M.Sc., Ph.D., Milano

Appointed as a Postdoctoral Research Associate from 4 October 2022:

Lauren Virginia Clare Miller, M.Sci., UCL (Cambridge Ph.D. candidate)

Appointed as a Postdoctoral Research Associate from 11 October 2022:

Ryan Burnell, B.Sc., Victoria University of Wellington, Ph.D., Waikato

Matthew John Hooton, M.Phys., Warwick, Ph.D., Queen's University Belfast

Danika Parikh, B.A., *Durham*, M.Phil., *N* (Cambridge Ph.D. candidate)

Marta Urbanska, B.Sc., Warsaw University of Life Sciences, M.Sc., KU Leuven and TU Dresden, Ph.D., TU Dresden

Elizabeth Ann Walsh, B.A., *Columbia*, M.Phil., *K* (Cambridge Ph.D. candidate)

Vacancies

Christ's College: Chaplain; tenure: fixed-term, four years; salary: £27,270 plus collegiate benefits and allowances; closing date: 2 December 2022 at 12 noon; further details: https://www.christs.cam.ac.uk/chaplain

Clare Hall: Cambridge Philosophical Society Henslow Fellowship; tenure: three years from 1 October 2023; stipend: £23,326; closing date: 21 November 2022; further details: https://www.clarehall.cam.ac.uk/rf/

Non-Stipendiary Research Fellowships in the Arts, Humanities and Social Sciences (up to four available); tenure: three years from 1 October 2023; closing date: 21 November 2022; further details: https://www.clarehall. cam.ac.uk/rf/

Non-Stipendiary Research Fellowships in the Sciences (up to four available); tenure: three years from 1 October 2023; closing date: 21 November 2022; further details: https://www.clarehall.cam.ac.uk/rf/

Corpus Christi College: Stipendiary Early-Career Research Fellowship; tenure: four years from 1 October 2023; stipend: £22,149–£25,642 plus collegiate benefits and allowances; closing date: 15 December 2022 at 12 noon; further details: https://www.corpus.cam.ac.uk/ about/opportunities/academic-vacancies

Non-Stipendiary Early-Career Research Fellowship; tenure: up to three years from 1 October 2023; closing date: 1 February 2023 at 12 noon; further details: https://www.corpus.cam.ac.uk/about/opportunities/ academic-vacancies

Gonville and Caius College: Visiting Bye-Fellowship for scholars from the Global South; tenure: one year from 1 October 2023 (or other agreed date); stipend: £30,000 plus collegiate benefits and allowances; closing date: 28 February 2023 at 12 noon; further details: https://www.cai.cam.ac.uk/vacancies/visiting-byefellowship-for-scholars-from-the-global-south

Peterhouse: Non-Stipendiary Research Associateships (up to four available); tenure: two years from 6 February 2023, with a possible extension of one year; closing date: 20 January 2023 at 9 a.m.; further details: https://www.pet.cam.ac.uk/research-associateships

Events

Emmanuel College

Cambridge Seminars in the History of Cartography

Dr Stephen Leach, University of Keele, will present *The adventures and speculations of the ingenious Peter Perez Burdett*, at 5.30 p.m. on Tuesday, 22 November 2022, online via Zoom. All welcome. Information and advance registration: https://www.lib.cam.ac.uk/collections/ departments/maps/cartographic-events/camsem

Newnham College

Gillian Vaisey Memorial Lecture

Professor Julia Gog, Professor of Mathematical Biology and Queens' College, will present *Using mathematics to understand pandemic strategies*, on Friday, 11 November at 5.30 p.m. in the Cynthia Beerbower Room, Newnham College. All welcome; no booking required. Further details: https://newn.cam.ac.uk/event/gillian-vaisey-memoriallecture-2/

EXTERNAL NOTICES

Oxford Notices

School of Archaeology and Keble College; Professorship of European Archaeology; tenure: from 1 September 2023; closing date: 9 January 2023 at 12 noon; further details: https://www.recruit.ox.ac.uk/, vacancy ID: 161405

Department of Statistics and St Anne's College; Professorship of Statistical Science; tenure: from 1 September 2023 or as soon as possible thereafter; closing date: 16 January 2023 at 12 noon; further details: https://www.recruit.ox.ac.uk/, vacancy ID: 155658

Faculty of Theology and Religion and Harris Manchester College; Andreas Idreos Professorship of Science and Religion; tenure: from 1 October 2023, or as soon as possible thereafter; closing date: 9 January 2023 at 12 noon; further details: https://www.recruit.ox.ac.uk/, vacancy ID: 160945

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for publication the following Wednesday. Inclusion of notices is at the discretion of the Editor.