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UNIVERSITY OF
CAMBRIDGE

NOTICES**Calendar**

1 October, *Sunday*. Michaelmas Term begins.

2 October, *Monday*. Congregations of the Regent House at 9.30 a.m.: admission of the Vice-Chancellor; election and admission of the Proctors; addresses by the Vice-Chancellor Emeritus and the Vice-Chancellor (see below).

3 October, *Tuesday*. Full Term begins.

This is the last ordinary issue of the *Reporter* for the 2016–17 academical year. The first issue of the 2017–18 academical year will be published on 27 September 2017.

Discussions (at 2 p.m.)

10 October

24 October

7 November

21 November

5 December

Congregations

2 October, *Monday at 9.30 a.m.*

21 October, *Saturday at 11 a.m.*

25 November, *Saturday at 2 p.m.*

Formal admission to office of the Vice-Chancellor: 2 October 2017

24 July 2017

The Proctors wish to remind members of the University that two Congregations of the Regent House will be held in the Senate-House on Monday, 2 October 2017. The first will be that appointed for the formal admission of Stephen John Toope, OC, Ph.D., *T*, to the office of Vice-Chancellor.

In accordance with the relevant regulations, in the absence of the Chancellor the Proctors will preside at the first Congregation and the Vice-Chancellor at the second, which will be for the election and admission of the Proctors for 2017–18.

Both the immediate Vice-Chancellor Emeritus and the Vice-Chancellor are expected to deliver an address.

Those wishing to attend are asked to be in the Senate-House by **9.15 a.m.** Members of the University are reminded that they are required to wear academical dress at Congregations. 2 October 2017 will *not* be a ‘scarlet day’, so *black gowns* should be worn and only Cambridge academical dress used. Hoods are not required, other than for officers participating in the ceremonial. The proceedings are expected to end by about 10.20 a.m.

Those attending will be received afterwards by the Vice-Chancellor in the Combination Room (up to the capacity of the Room) and refreshments will be served. In accordance with the usual custom for this occasion, tickets will not be issued, but it would be helpful in arranging the refreshments if members of the Regent House and others who plan to attend could please give notice by email to 1October@admin.cam.ac.uk.

Grace for submission to the Regent House under Special Ordinance A (i) 5

24 July 2017

Further to the Council’s Notice dated 12 June 2017 (*Reporter*, 6469, 2016–17, p. 587), the Council has determined that, as the Grace raises complex matters, it will consider the Grace further at its meeting on 25 September 2017.

First-stage Report of the Council on the construction of a new Shared Facilities Hub building in West Cambridge: Notice in response to Discussion remarks

24 July 2017

The Council has received the remarks made at the Discussion on 11 July 2017 (*Reporter*, 6474, 2016–17, p. 765) on the above Report (*Reporter*, 6471, 2016–17, p. 695).

Mr Emerson raised a question about the purpose of the Shared Facilities Hub building (SFH) on the West Cambridge site proposed by the Report, and the inclusion of the central production kitchen. The plan is to provide accommodation for teaching, learning, meeting, studying, socializing, eating, and drinking in an accessible building available for use by those on the site, which is distinct and separate from individual Departments and Faculties. In this respect it is a new and different kind of facility for West Cambridge that anticipates a greater staff and student population on the site in the future. There would be cost and operational efficiencies associated with extending and supplementing the kitchens in the SFH to provide production kitchen capability, rather than providing an entirely separate production kitchen facility elsewhere in the city. By making provision for this within the design of the SFH, the University retains the option of fitting out the additional production capability in the future, should the need arise to replace the existing production kitchen in the University Centre.

Professor Anderson queried the governance arrangements for developments on the West Cambridge site. To date, the governance of the West Cambridge masterplan has been undertaken by the West Cambridge Site Development Board (WCSDB), which reports directly to the Planning and Resources Committee (PRC). The SFH project has been developed under the direction and guidance of the Shared Facilities Hub Project Board, which reports to the WCSDB.

The governance arrangements for West Cambridge were recently reviewed by the PRC. The PRC approved revised arrangements, which in turn were reported to the Council.¹ In future, the West and North West Cambridge Estates Board will maintain overall responsibility for both developments, but with a particular focus on development of a commercial research strategy across both sites. The recently reformed Board, with increased membership from external professionals with property development experience, is suited to undertaking this task. The academic priorities and objectives for the two sites will be the responsibility of a new West and North West Cambridge Estates Academic Board, to which the SFH Project Board will report. The new Academic Board effectively replaces the former West Cambridge Site Development Board. Its membership will predominantly comprise academics with an interest in the academic developments on both sites, and it will report to the West and North West Cambridge Estates Board and the PRC.

The SFH project is subject to the University's Capital Projects Process which is overseen by PRC. The project brief has been developed under the direction and guidance of the SFH Project Board. The Representative User Group has worked with the professional team to develop the concept design with direction from the Project Board and WCSDB. The membership of the SFH Project Board includes the Head of the School of the Physical Sciences, the Head of the School of Technology, and representatives from the Cavendish Laboratory and the Department of Engineering. The membership of the Representative User Group includes staff with expertise in the core functions of the building – library, catering, and teaching and learning space – as well as representatives of the postdoc, assistant staff, site residents and student communities, and a cross-section of academic departments at West Cambridge (Engineering, Physics, and Veterinary Medicine). The Representative User Group's membership will be extended to include representation from the Computer Laboratory during the next phase of the project's development. Substantial efforts have been made to engage with people based at West Cambridge and the wider University community, including workshops with students, meetings with the departments and faculties based on the site, open meetings at West Cambridge, and meetings with others in the wider University community with an interest in the SFH project. There has been a considerable level of consultation on the SFH project to this point, and this will continue.

Several of the speakers commented on the limited choice of catering outlets on the West Cambridge site. The design of the catering facilities in the SFH building allows for a range of different services which could be provided by a variety of different operators; there is no commitment or prescription at this stage to the type or number of operators involved. The remarks about catering will be noted in the further development of the operational business case for the SFH. It should also be noted that the SFH is not the only catering facility proposed in the revised masterplan; the full masterplan envisages additional catering outlets across the site, plans for which will be developed further as the masterplan is built out.

Professor Anderson queried car parking provision. Other than a small amount of parking for service vehicles within the curtilage of the SFH, car parking arrangements do not fall within the scope of the SFH project. Car parking on the West Cambridge site is currently being monitored and the timing of a new multi-storey car park will be reviewed by the West and North West Cambridge Estates Board as the existing surplus capacity at West Cambridge is used up.

Dr Thomas and Dr Danish drew attention to the plans for cycle routes. Designs for the external areas of SFH and the adjacent Green continue to be developed in accordance with the design guidelines and parameters set out in the revised masterplan. The remarks about avoiding pedestrian/cyclist conflict and the provision of adequate and appropriate cycle parking are noted. Appropriate design solutions will be proposed in the further development of the scheme. The cycling provision to and from North West Cambridge is significant and has been a structuring principle of the development. The chicanes that have been installed, and which have been part of the detailed design of the cycleway since the reserved matters planning approval, are required to encourage cyclists to slow down as they approach other traffic (principally cars, but also other cyclists and pedestrians) and to prevent cars from driving on a wide cycleway that could be perceived as a road.

Professor Anderson raised a concern about value for money. The reasons for cost differentials between projects are many and varied, and include different user and servicing requirements, specifications, regulations, environmental standards, and market conditions. The estimated construction cost of the SFH has been benchmarked against similar shared facilities schemes at other universities across the country. The cost of the SFH is in the mid-range of these benchmark projects when equalized for price base and location. This is considered a better indicator of the cost and value for money of the SFH project than historic or recent capital projects at Cambridge which are not as comparable in form or function.

Finally, the Council notes that this is a First-stage Report, and therefore approving its recommendations will enable the plans to be developed further and the Director of Estate Strategy to apply for detailed planning approval. Details of the final scheme for the project will be provided in the Second-stage Report, which will be published once planning permission has been granted.

The Council is submitting a Grace (Grace 3, p. 799) for the approval of the recommendations of this Report.

¹ PRC: 26 April 2017; Council: 22 May 2017.

Discipline Committee: Practice Statement

26 July 2017

The Acting Registrar, acting as Secretary of the Discipline Committee, publishes this statement on the operation, procedures, and practice of the Discipline Committee to provide information and guidance to students and Colleges. The statement reflects the current disciplinary arrangements, which are under review.

DISCIPLINE COMMITTEE: PRACTICE STATEMENT

Introduction: the University disciplinary procedure

1. Any complaint by the Proctors, or by any other member or employee of the University, that a student member of the University has committed a breach of the disciplinary regulations of the University is considered by the University Advocate, who decides whether a charge shall be brought. (Complaints about breaches of College disciplinary regulations are solely a matter for the College concerned.)

2. If the complaint is of a minor matter, the case may be dealt with by the Discipline Board, which consists of a Chair, one senior member of the University, and one student member. The Discipline Board has power to impose fines not exceeding £175 and to order payment of compensation not exceeding £250.

3. If the University Advocate considers that the alleged breach is a serious one, the charge will be dealt with by the Discipline Committee. The Chair of this Committee is legally qualified or experienced judicially and may be a non-resident member of the University. The other members of the Committee are two senior members and two student members, but, if the person charged so requests, the Committee includes four senior members and no student members. Hearings are normally conducted in private, with only those present who are directly involved in the case or whose presence has been agreed with the Chair (see paragraph 28). The Committee has power to impose penalties of deprivation or suspension of membership of the University, deprivation or suspension of degree, rustication, and any other penalty which it considers lighter, including requesting the Vice-Chancellor to issue a revised class-list awarding a different class of degree than that initially awarded by the Examiners, and may order payment of compensation.

4. There is provision for appeals from decisions of the Discipline Committee to another panel, the Septemviri, which consists of seven senior members of the University. The Septemviri may quash the finding or vary the penalty within the limits of the powers of the Discipline Committee. The Discipline Committee itself acts as an appeal panel against decisions of the Discipline Board, and the Discipline Board can hear appeals against library fines, fines for matters against the regulations for motor vehicles, etc. The decision of each panel, when it is acting as an appeal panel, is final and therefore will include a Completion of Procedures letter, inviting the student to raise a complaint with the Office of the Independent Adjudicator if the student remains dissatisfied.

5. In all matters concerning the investigation of an alleged breach of the regulations and subsequent proceedings before a University disciplinary panel, the University shall be under a duty to act fairly.

6. The following makes reference to the person charged as the student but is intended to encompass a case in which a former student is charged with a breach which is alleged to have taken place during their time as a student.

Representation

7. A person appearing before a University disciplinary panel is allowed assistance and representation if they so wish, and may call witnesses.

8. The Faculty of Law operates a voluntary scheme whereby members of the Faculty offer free advice and representation. Students who wish to take advantage of this arrangement should consult the Secretary of the Faculty Board of Law, who maintains a list of officers willing to act in this way. Alternatively, students may wish to seek free advice and support from the Students' Unions' Advice Service or employ professional assistance at their own expense.

Statutory provisions for the Discipline Committee

9. The provisions for the University disciplinary panels can be found in *Statutes and Ordinances*:

- Statute D: Discipline (http://www.admin.cam.ac.uk/univ/so/2016/statute_d-front.html)
- Special Ordinances under Statute D (http://www.admin.cam.ac.uk/univ/so/2016/special_d-front.html)
- Ordinances, Chapter II: Matriculation, Residence, Admission to Degrees, Discipline (Regulations and rules of procedure) (<http://www.admin.cam.ac.uk/univ/so/2016/chapter02-section19.html#heading2-15> and <http://www.admin.cam.ac.uk/univ/so/2016/chapter02-section20.html#heading2-24>)

Initiation of proceedings before the Discipline Committee

10. Any complaint by the Proctors, or by any other member or employee of the University, that a student member of the University has committed a breach of the disciplinary regulations is considered by the University Advocate. The Advocate is the independent prosecutor in relation to University discipline and connected functions. The Advocate is appointed by Grace on the nomination of the Council; there is provision for the appointment of one or more Deputy Advocates. Under the provisions of Statute D and Special Ordinances under Statute D, the University Advocate, or a Deputy Advocate, determines whether charges should be brought against a student, and before which disciplinary panel of the University.

11. The Proctors are the University's statutory officers with general responsibility for the maintenance of good order and discipline in the University; they have particular responsibility for upholding the general regulations for discipline laid down in University Ordinances (Chapter II: Matriculation, Residence, Admission to Degrees, Discipline).

Misconduct in examinations and plagiarism

12. Most, but by no means all, of the cases brought before the Discipline Committee concern alleged breaches of Regulation 7, which reads:

No candidate shall make use of unfair means in any University examination. Unfair means shall include plagiarism* and, unless such possession is specifically authorized, the possession of any book, paper, or other material relevant to the examination. No member of the University shall assist a candidate to make use of such unfair means.

* Plagiarism is defined as submitting as one's own work, irrespective of intent to deceive, that which derives in part or in its entirety from the work of others without due acknowledgement.

13. The Proctors have particular responsibilities in the supervision of examinations, and for investigating cases of alleged misconduct. The Examiners or Degree Committee are responsible for assessing the marks to be awarded for academic work submitted for examination and therefore have an interest in determining whether or not the work submitted is the student's own work. The Proctor or Chair of the Examiners or Degree Committee concerned may conduct an investigative meeting in accordance with paragraphs 17 and 19 below – involving the student, their Tutor and/or Graduate Supervisor, a Proctor (if convened by a Chair), and possibly Examiners – in order to consider whether or not a matter should be referred to the Advocate, and shall normally do so in all cases except those involving a complaint of harassment under Regulation 6 of the General Regulations for Discipline. In cases of alleged misconduct in an examination, it is conventionally the Senior Proctor who makes the formal complaint.

14. Regulation 7 refers to plagiarism as an example of unfair means in an examination. Attention is drawn to the Statement on Plagiarism issued by the General Board and to the related 'Rules for the Guidance of Candidates and for the Prevention of Misconduct in Examinations' issued by the Board of Examinations (Ordinances, Chapter I: the Chancellor and the Government of the University).

15. Detailed information and guidance on these matters can be found on the University website, in particular:

- Information on examinations (<http://www.cambridgestudents.cam.ac.uk/your-course/examinations>)
- Information on plagiarism (<http://www.plagiarism.admin.cam.ac.uk/>).

The conduct of the investigative meeting by the University Advocate and others

16. The Advocate may conduct an investigative meeting, in order to establish facts and information, to ensure that no misunderstandings or misapprehensions have arisen, and otherwise to determine whether there are grounds or reasons for proceeding against the student in one of the University disciplinary panels. The Advocate may convene such a meeting, even if an investigative meeting has already been conducted by the Proctor or the Chair of Examiners or Degree Committee.

17. Subject to paragraphs 18 and 19 below, the following principles govern the conduct of all investigative meetings:

- (i) The student involved is entitled to be accompanied by a supporter at the meeting. A supporter may be a Tutor, student representative, or a friend. Students are entitled to be accompanied by a legal representative at such meetings, in addition to bringing a supporter. It is strongly recommended that the student's Tutor or Graduate Supervisor be present to provide support, guidance, and advice (or other officer as deputy if the student's own Tutor or Supervisor is unavailable).
- (ii) Where the circumstances allow, in advance of the meeting the student will be notified in writing of the purpose and conduct of the meeting, those who may attend, and the way in which the information provided at the meeting will be used, with reference to this Statement. If no such written notice is possible, the student will be advised of these matters prior to the meeting taking place. Students will be reminded of these matters at the beginning of the meeting. Normally an investigative meeting will not take place unless the student's supporter (or a deputy) is able to attend.
- (iii) The student is not required to make any statements at an investigative meeting and is not required to admit to any charge put, but co-operation with the investigation is welcomed. Whilst the student's attendance is not compulsory, the student is normally expected to be present but need not attend in person and may do so by other means (including by phone or videoconference). A disciplinary panel may subsequently take into account in deciding on a penalty whether or not there was co-operation with the investigation and whether admissions to charges subsequently proved were made.
- (iv) Notes may be made in investigative meetings, which may be agreed by the parties concerned, or a note of dissent may be recorded; audio recordings of such meetings are not made. Any notes of such meetings may be produced, by either party, as evidence in a subsequent hearing of the Discipline Committee.

18. The Advocate shall normally conduct an investigative meeting in the case of complaints under Regulation 6 concerning harassment. It is strongly recommended that the student is accompanied by a supporter or legal representative at such a meeting.

19. In cases of suspected unfair means (other than plagiarism) in an examination under Regulation 7, the Proctors or the Chair of Examiners will usually aim to convene a meeting as soon as possible after the end of the relevant examination, often on the same day unless circumstances prevent this (for example, because the student has another examination later on the same day). In cases under Regulation 7, it is considered in the interests of all parties for the meeting to take place as soon as practicable and therefore the meeting will usually only be delayed in order to enable the attendance of the student's Tutor or Graduate Supervisor.

Written notice of the charges

20. If the Advocate decides that – in order to uphold discipline in the University, to protect the University's reputation, or to preserve the integrity of the examination system – a student is to be charged, written notice is given to the Registry. Under Special Ordinance, the Registry or, ordinarily, a deputy appointed by the Registry acts as the Secretary of the Discipline Committee. The Secretary is responsible for progressing the case before the Committee, in accordance with the regulations and rules of procedure set down in Ordinances.

21. The Secretary of the Committee will issue a written notice to the student charged, with copies sent to certain members of the student's College (the Head of College, the Graduate or Senior Tutor). The written notice will:

- (i) set out the charges, that is the complaint, against the student, as indicated by the Advocate;
- (ii) indicate when the Committee is likely to convene to hear the case;
- (iii) state the Chair of the Committee designated for the case.

22. The Secretary of the Committee will also draw attention to the provisions in the regulations whereby the person charged is entitled to (a) choose the general composition of the Committee (which can be four members of the Regent House, or two such members and two student members), (b) object, for good cause, to the proposed appointment of a member of the Committee, and (c) request that the Committee will sit in private. Members of the Committee will be selected at random from the relevant panels and will not have any material connection with the person charged, whether through their College, their Department, or their course of study.

Case management

23. In most cases, the Chair of the Discipline Committee (acting under powers in Statute D and Special Ordinances under Statute D to make rules of procedure) will deal with a number of case management issues, either by holding a meeting or agreeing matters by correspondence.

24. Dealing with case management issues in advance of the hearing ensures the efficient dispatch of the work of the Committee, minimizes delay, and affords both sides – the Advocate and the student – the time to prepare their cases, according to an agreed case management framework. Specifically, the main purposes of case management enquiries are:

- to take – at the earliest practicable stage – the student's plea (if the student is willing or able to declare it), or if no plea can be taken, ascertain whether the student is likely to admit the charge or not;
- to identify, as early as possible, and agree on the real issue(s) in the case, ahead of the Committee hearing (especially where it is indicated that the student is not likely to admit the charge);
- identification of the evidence that is to be adduced, and to establish the timetable and arrangements for its disclosure;
- to establish what witnesses, if any, are to be called;
- to establish what must be done, by whom, and when;
- to find a date for the formal Committee hearing, with minimal delay;
- to consider any objections to potential membership of the Committee;
- to deal with any issues concerning the presence or absence of the student at the formal Committee hearing.

25. If a meeting is to be held, it will normally be scheduled to take place as soon as possible after the Advocate has given notice of the charges to the Registry and after the Secretary of the Committee has issued written notice to the student charged. It is strongly recommended that a student charged has in place the services of a representative, or the support of their College Tutor or Graduate Supervisor.

26. Notes on the case management meeting or correspondence

- The meeting will be conducted orally and in private. Correspondence will be copied only to the parties directly concerned with the case.
- The student charged is entitled to be present at a case management meeting, together with their Tutor or Graduate Supervisor, their Head of House, their representative, or any deputy of any of these persons. However, the attendance of these parties is not expected unless the Chair requests such attendance.
- Attendance by the following is highly desirable: the University Advocate, or Deputy Advocate; the student and any representative of the student (appointed representative from the Faculty of Law, the Students' Unions' Advice Service, or a Tutor or Graduate Supervisor).
- It is open to the student to decide for herself or himself whether to defend or admit the charges or to state the grounds for contesting the charges being brought. Students may be advised that credit is given for pleas admitting the charge, and the earlier the charge is admitted, the greater the credit which may be given.
- It is important to note that a case cannot be concluded (including penalty) at a case management meeting or by correspondence prior to the hearing, even if the student admits the charge. Plea bargaining does not take place at the hearing.
- The directions of the Chair on case management issues should be regarded as binding.

Discipline Committee: Formal hearing

27. The Committee will normally sit in private. A decision on whether the Committee sits in public or in private is at the discretion of the Chair of the Committee, who will take into account the wishes of the student in reaching a decision.

28. If the Committee sits in private, the following are entitled to be present: the student, the student's Tutor or Graduate Supervisor (or a deputy appointed by the Tutor or Graduate Supervisor), the Head of the student's College (or a deputy appointed by the Head), the University Advocate, the complainant, and any person appointed to represent the student, the complainant, or the University Advocate. Whether the Committee sits in public or in private, the rules of procedure specifically provide for the Committee to proceed in the absence of any of the persons entitled to be present.

29. A student is expected to appear in person before the Discipline Committee. If attendance has not been excused in advance at the case management meeting, or no good reason for non-attendance is offered, the Committee will be at liberty to take that into account. It is recognized, however, that if, for example, the Committee meets outside Term, it may prove difficult for students to present themselves. In cases of non-attendance the Discipline Committee may adjourn the hearing or proceed in the student's absence.

30. In exceptional circumstances, non-attendance for no good reason may be regarded as a breach of the University's discipline in its own right and may be punishable by a fine, if the non-attendance is deemed intentionally to disrupt or impede the processes of the Committee. It should be noted that the imposition of a fine for such reasons might in itself become subject to an appeal to the Septemviri, or indeed may be subject to review by the Office of the Independent Adjudicator (OIA).

31. A student whose case is being heard or adjudicated upon by the Discipline Committee

- (i) will be given a reasonable opportunity of being heard by the Committee; and
- (ii) has the right to call witnesses and to question witnesses upon whose evidence the case against her or him is based.

32. The procedure of the Discipline Committee follows normal adversarial principles. These allow for the presentation of a prosecution case (by the Advocate) and a defence case, with presentation and scrutiny of evidence, and the examination and cross-examination of witnesses, including examination by the Committee itself. Where the charge is admitted, the Chair may vary the procedure and direct that the parties make brief expository statements and concentrate on representations they wish to make in mitigation and as to penalty.

33. The burden of proof set under the procedures for the Committee is a criminal standard – *viz.* the Committee shall not find a charge proved unless it is satisfied that a charge has been 'proved beyond reasonable doubt'.

34. The Committee may retire (i.e. the members remain whilst others withdraw) at any point in the hearing to consider the case. At the end of the hearing the Committee will generally reconvene and a decision will be announced as to whether the case has been proved, and as to penalties imposed. The Chair may however rule that the decision should be communicated by other means after the hearing has been concluded. The decision and the reasons for the decision will be communicated in writing to the student within seven calendar days of the decision being reached. Any penalty imposed has immediate effect – save that the Chair of the Discipline Committee and the Chair of the Septemviri each has the power to suspend the imposition of any penalty until the conclusion of the proceedings by the Septemviri of any appeal against a decision of the Discipline Committee.

Penalties

35. The range of penalties available to the Discipline Committee is set out in *Statutes and Ordinances*, and includes: expulsion, or rustication; deprivation (or suspension) of degrees or membership of the University; deprivation (or suspension) of the right to use University premises or facilities; a fine, or an order to pay compensation; a lesser penalty; exceptionally, no penalty.

36. Where the student has been charged with misconduct in an examination, and such a case has been proved, the Committee may determine that a penalty be imposed in relation to the examination concerned, either in whole or in part. The effect of such a penalty may have an effect on the overall classification received by a student, for the whole examination concerned.

Tariffs

37. There is no formal schedule of tariffs for breaches considered by the Discipline Committee. Evidence in mitigation is usually presented in cases before the Committee, even when the charge is not admitted, and this inevitably affects consideration of penalty. It is considered very important that the Committee should not feel shackled unnecessarily by the concept of tariffs for particular breaches, and should have maximum flexibility in considering all the relevant circumstances in the particular case. Details of precedents that have been published in the *Reporter* are available to members of the Committee and to the Advocate, the student, and the student's legal representative. These are ordinarily circulated a week or so before any sitting of the Committee, as part of a Secretary's bundle. Information about penalties imposed by the Committee is contained in the announcements of the Committee published in the *Reporter*.

Appeal

38. The student will be advised of their rights to appeal from the decision of the Committee. This will be made clear at the conclusion of the Committee hearing, and it may be that the Chair will seek an indication from the student as to whether or not they wish to appeal. There is no obligation to indicate at the hearing whether an appeal is to be launched, but delay in knowing whether this is to be the case may affect the way in which the Committee's decision is enacted and in particular how any changes involving an amended class-list are to be effected.

39. The student will receive a reasoned decision concerning their case soon after the hearing of the Committee.

40. The Committee will issue a Notice to be published in the *Reporter* and elsewhere giving summary details of the case. By custom, such notices will not identify the student by name, College, or course of study.

Decision record

41. The procedures of the Committee provide for a person whose case is adjudicated upon by the Discipline Committee to be given a copy of the minutes of the Committee, in addition to a reasoned decision in writing. The minutes of the Committee meeting may be agreed by the parties concerned, or a note of dissent may be recorded; audio recordings of such meetings are not made.

42. It is important to note that relevant parties, such as the Student Registry, will be properly informed about the Committee's decision in a particular case, and that appropriate endorsements may be made to the student's record which make clear the nature of the student's appearance before the Committee and the penalty imposed by the Committee, or makes appropriate references to material that may be consulted.

Anonymity of the student charged

43. The normal practice of the Committee has been to preserve the anonymity of students in relation to the Committee's Notices (in the *Reporter*) and any other announcements of its decisions. However, it is not obliged to do this and it may order the name of the student to be published if it considers that the justice of the case requires this. The University Council has taken the view that it is for the Committee itself to decide, on a case-by-case basis, whether to vary the custom of anonymity in its decisions.

44. In certain circumstances, however, it is necessary to publish in some form the name of a student where the penalty relates to the deprivation of a degree and/or deprivation of membership of the University. In such cases, and because the naming of the student concerned may be regarded as having some of the character of a penalty, the Committee will, at the time the penalty is imposed, inform the student of its determination that they will be named so that any observations may be made by the student or their representative. Potentially the matter might be the subject of an appeal (that is, for the Discipline Committee, to the Septemviri), or the action of the Committee might also be subject to review by the Office of the Independent Adjudicator (OIA).

45. Indirectly, the names of the students are implicitly published through the usual arrangements for the amendment of the class-list by the Vice-Chancellor in accordance with the penalty imposed by the Committee.

Publication of *Statutes and Ordinances*, 2017

The 2017 edition of the University's *Statutes and Ordinances* will be available in PDF and HTML formats online at <http://www.admin.cam.ac.uk/univ/so/> by early October.

The Reprographics Centre in the Old Schools have agreed to produce copies for the University at a cost of £15 for a thermal-bound, two-volume copy. Orders for these are being collated by the Registry's Office and should be sent – clearly stating the contact name, department or College, number of copies, and delivery address – by email to University.Draftsman@admin.cam.ac.uk by 31 October 2017. Orders received by **15 September 2017** should arrive before the start of Michaelmas Term.

CamTools switch off: 30 September 2017

CamTools is being taken offline and will not be available after 30 September 2017. Those with a CamTools site who wish to preserve the content should make copies of their data before that date; instructions on how to do so can be found at http://www.camtools.admin.cam.ac.uk/switch_off/index.shtml.

Queries about the switch-off of CamTools should be directed to: camtoolsswitchoff@admin.cam.ac.uk.

VACANCIES, APPOINTMENTS, ETC.**Electors to the George Pitt-Rivers Professorship of Archaeological Science**

The Council has appointed members of the *ad hoc* Board of Electors to the George Pitt-Rivers Professorship of Archaeological Science as follows:

Professor Philip Allmendinger, *CL*, in the Chair, as the Vice-Chancellor's deputy

(a) on the nomination of the Council

Professor Carl Heron, *British Museum*
Professor Kerstin Liden, *Stockholm University*

(b) on the nomination of the General Board

Professor Cyprian Broodbank, *CAI*
Professor Martin Millett, *F*
Professor Thilo Rehren, *University College London*

(c) on the nomination of the Faculty Board of Archaeology and Anthropology

Professor Christine Hastorf, *University of California, Berkeley*
Dr Tamsin O'Connell, *TH*
Professor John Robb, *PET*

Electors to the Jennifer Ward Oppenheimer Professorship of the Deep History and Archaeology of Africa

The Council has appointed members of the *ad hoc* Board of Electors to the Jennifer Ward Oppenheimer Professorship of the Deep History and Archaeology of Africa as follows:

Professor Eilís Ferran, *CTH*, in the Chair, as the Vice-Chancellor's deputy

(a) *on the nomination of the Council*

Professor Dame Henrietta Moore, *University College London*
Professor Marie Louise Sorensen, *JE*

(b) *on the nomination of the General Board*

Professor Cyprian Broodbank, *CAI*
Professor Caleb Folorunso, *University of Ibadan, Nigeria*
Professor Ann Stahl, *University of Victoria, Canada*

(c) *on the nomination of the Faculty Board of Archaeology and Anthropology*

Professor Philip Allmendinger, *CL*
Professor Saul Dubow, *M*
Professor Pierre de Maret, *Université Libre de Bruxelles*

Electors to the Norris-Hulse Professorship of Divinity

The Council has appointed members of the *ad hoc* Board of Electors to the Norris-Hulse Professorship of Divinity as follows:

Professor Geoffrey Ward, *HO*, in the Chair, as the Vice-Chancellor's deputy

(a) *on the nomination of the Council*

Professor William Desmond, *Villanova University*
Professor Martin Millett, *F*

(b) *on the nomination of the General Board*

Professor Victoria Harrison, *University of Macau*
Professor Rae Langton, *N*
Professor Ola Sigurdson, *University of Gothenburg*

(c) *on the nomination of the Faculty Board of Divinity*

Professor Ian McFarland, *SE*
Professor Cyril O'Regan, *University of Notre Dame*
Professor Janet Soskice, *JE*

Elections, appointments, reappointments, and grants of title

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

ELECTIONS

Dr Laura Diaz Anadon, M.A., *Harvard*, Ph.D., *Q*, Lecturer in Public Policy, Department of Politics and International Studies, elected Professor of Climate Change Policy with effect from 1 September 2017.

Professor A. Jussi N. Taipale, M.Sc., Ph.D., *University of Helsinki*, Professor of Medical Systems Biology, Karolinska Institutet, elected Herchel Smith Professor of Biochemistry with effect from 1 October 2017.

Professor Alison L. Young, B.C.L., D.Phil., *Oxford*, Professor of Public Law, University of Oxford, elected Sir David Williams Professor of Public Law with effect from 1 January 2018.

APPOINTMENTS

Reader

Judge Business School. Dr Ahmed Wali Khwaja, Ph.D., *Minnesota*, appointed from 3 July 2017 until the retiring age.

University Senior Lecturer

Judge Business School. Dr Oguzhan Karakas, B.Sc., *Ankara*, M.S.E., *Princeton*, M.Res., Ph.D., *London*, appointed from 3 July 2017 until the retiring age.

University Lecturers

Chemistry. Dr Hugo Andres Bronstein, M.Chem., *Oxford*, M.Sc., Ph.D., *London*, appointed from 1 October 2017 until the retiring age and subject to a probationary period of five years.

Education. Ms Elizabeth May Rawlinson-Mills, M.A., M.Ed., P.G.C.E., *CL*, M.A., *Bristol*, appointed from 1 August 2017 until the retiring age and subject to a probationary period of five years.

Geography. Dr Francesco Muschitiello, B.Sc., *Venice*, M.Sc., *Perugia*, Ph.D., *Stockholm*, appointed from 1 January 2018 until the retiring age and subject to a probationary period of five years.

Assistant Director

University Offices (Estate Management). Mr Paul David Milliner, B.A., *Portsmouth*, M.A., *Westminster*, RTPI, appointed from 14 June 2017 until the retiring age.

Senior Assistant Treasurer

University Offices (Finance Division). Ms Helen Louise Wain, B.Eng., *Coventry*, appointed from 24 July 2017 until the retiring age and subject to a probationary period of nine months.

Senior Assistant Registraries

University Offices (Academic Division). Ms Marie Butcher, B.Sc., *Swansea*, appointed from 1 September 2017 until the retiring age and subject to a probationary period of nine months. Dr Joanne Clare Martindale, B.Sc., M.Sc., *London*, Ph.D., *Bristol*, appointed from 1 September 2017 until the retiring age and subject to a probationary period of nine months. Mr Stephen Davison, B.A., *Hull*, M.A., *Exeter*, appointed from 25 September 2017 until the retiring age and subject to a probationary period of nine months.

Senior Advisory Officer

University Offices (Estate Management). Ms Elena Johnston, appointed from 1 May 2017 until the retiring age.

Administrative Officers

University Offices (Academic Division). Ms Nadya Mullen, A.B., *Dartmouth, USA*, appointed from 1 July 2017 until the retiring age. Ms Alison Martin, B.Sc., *CNA*, M.Sc., *De Montfort*, appointed from 11 September 2017 until the retiring age and subject to a probationary period of nine months.

Principal Computer Officer

School of Clinical Medicine. Mr Richard Bartlett appointed from 5 January 2017 until the retiring age.

REAPPOINTMENTS

Head of Department

Politics and International Studies. Professor David Runciman, *TH*, reappointed from 1 October 2017 to 30 September 2018.

Associate Lecturer

Pathology. Dr Jason Scott Carroll, *CL*, reappointed from 8 May 2017 until 7 May 2022.

GRANTS OF TITLE

Affiliated Lecturers

Land Economy. Mr Lawrence Chadwick, Dr Flavio Vasconcellos Comim, *ED*, Dr Danuta Jachniak, Dr Alexandra Morris, *DOW*, Dr William Seabrooke, *F*, and Mr David Stott have been granted the title of Affiliated Lecturer from 1 October 2017 for a further two years.

Vacancies in the University

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

Clinical Lecturer in Experimental Medicine (Medical Oncology) in the Department of Oncology; salary: £32,478–£57,444; closing date: 18 August 2017; further details: <http://www.jobs.cam.ac.uk/job/12268/>; quote reference: RD10863

Director of Finance / Head of the Finance Division of the University offices; informal enquiries: Mark Freebairn (tel.: 020 7529 1042); closing date: 1 September 2017; further details: <http://www.jobs.cam.ac.uk/job/14434/>; quote reference: AG12822

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.

NOTICES BY THE GENERAL BOARD

Senior Academic Promotions, 1 October 2017 exercise: Appointments and titles

In its Report of 14 June 2017 on Senior Academic Promotions (*Reporter*, 6469, 2016–17, p. 646), the General Board recommended the establishment of 42 Professorships and 60 Readerships.¹ 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 4 of 5 July 2017. The following list of appointments includes the titles that have been agreed.

PROFESSORSHIPS

With effect from 1 October 2017*School of Arts and Humanities*

Dr KATHERINE BENNISON, *M*, appointed Professor of the History and Culture of the Maghrib
 Dr JAMES WARREN, *CC*, appointed Professor of Ancient Philosophy
 Dr ROBERT DOUGLAS HEDLEY, *CL*, appointed Professor of the Philosophy of Religion
 Dr MARI JONES, *PET*, appointed Professor of French Linguistics and Language Change
 Dr ANNA-LEENA KORHONEN, appointed Professor of Computational Linguistics

School of the Biological Sciences

Dr LUCA PELLEGRINI, appointed Professor of Structural Biology
 Dr FRANCIS JIGGINS, *EM*, appointed Professor of Evolutionary Genetics
 Dr IAN BRIERLEY, appointed Professor of RNA Virology
 Dr LAURA ITZHAKI, *N*, appointed Professor of Structural Pharmacology
 Dr JENNIFER NICHOLS, appointed Professor of Embryonic Pluripotency
 Dr JOHN GIBSON, *CL*, appointed Professor of Pathophysiology

School of Clinical Medicine

Dr DAVID SAVAGE, appointed Professor of Molecular Metabolism
 Dr DAVID JAYNE, appointed Professor of Clinical Autoimmunity
 Dr KETAN PATEL, *CAI*, appointed Professor of Molecular Medicine and Stem Cell Genomics
 Dr KENNETH ONG, *JN*, appointed Professor of Paediatric Epidemiology
 Dr ANTONIS ANTONIOU, *DAR*, appointed Professor of Cancer Risk Prediction
 Dr NITA FOROUHI, appointed Professor of Population Health and Nutrition
 Dr MICHAEL NICHOLSON, appointed Professor of Transplant Surgery

School of the Humanities and Social Sciences

Dr VASCO PEREIRA MARQUES DE CARVALHO, *JE*, appointed Professor of Macroeconomics
 Dr MARY LAVEN, *JE*, appointed Professor of Early Modern History
 Dr MARTA MIRAZÓN LAHR, *CL*, appointed Professor of Human Evolutionary Biology and Prehistory
 Ms NICOLA PADFIELD, *F*, appointed Professor of Criminal and Penal Justice

School of the Physical Sciences

Dr RICHARD HARRISON, *CTH*, appointed Professor of Earth and Planetary Materials
 Dr BHASKAR VIRA, *F*, appointed Professor of Political Economy
 Dr JULIA GOG, *Q*, appointed Professor of Mathematical Biology
 Dr ERIC LAUGA, *T*, appointed Professor of Applied Mathematics
 Dr ANTHONY CHALLINOR, *Q*, appointed Professor of Cosmology and Astrophysics
 Dr STUART CLARKE, *JE*, appointed Professor of Surface Science
 Dr SOPHIE JACKSON, *PET*, appointed Professor of Chemical and Molecular Biology
 Dr ERWIN REISNER, *JN*, appointed Professor of Energy and Sustainability
 Dr JAMES ELLIOTT, *F*, appointed Professor of Macromolecular Materials Science
 Dr BEN GRIPAPOS, *K*, appointed Professor of Theoretical Physics

School of Technology

Dr JENNIFER HOWARD-GRENVILLE, *Q*, appointed Diageo Professor of Organisation Studies
 Dr FRANCESCO STAJANO, *T*, appointed Professor of Security and Privacy
 Dr SIMONE TEUFEL, *K*, appointed Professor of Language and Information
 Dr RICHARD FENNER, *W*, appointed Professor of Engineering Sustainability
 Dr JANET LEES, *JN*, appointed Professor of Civil Engineering
 Dr MATE LENGYEL, appointed Professor of Computational Neuroscience
 Dr MICHAEL SUTCLIFFE, *CTH*, appointed Professor of Biomedical Engineering
 Dr SILVANA CARDOSO, *PEM*, appointed Professor of Fluid Mechanics and the Environment
 Dr ALEXANDER ROUTH, *CAI*, appointed Professor of Colloid Science
 Dr JOCHEN ZEITLER, *CAI*, appointed Professor of Microstructure Engineering

¹ Dr Panayotova has since elected not to take up the office of Reader.

READERSHIPS

With effect from 1 October 2017*School of Arts and Humanities*

Dr JAMES WILLIAM PATRICK CAMPBELL, *Q*, appointed Reader in Architecture and Construction History
 Dr YARON PELEG, *JE*, appointed Kennedy-Leigh Reader in Modern Hebrew Studies
 Dr HEATHER WEBB, *SE*, appointed Reader in Medieval Italian Literature and Culture
 Dr IOANNA SITARIDOU, *Q*, appointed Reader in Spanish and Historical Linguistics

School of the Biological Sciences

Dr MICHAELA FRYE, appointed Reader in Stem Cell Biology
 Dr SUZANNE TURNER, *HH*, appointed Reader in Cellular and Molecular Tumour Biology
 Dr ALBERTO CARDONA TORRENS, appointed Reader in Connectomics
 Dr KRISTIAN FRANZE, *JN*, appointed Reader in Neuronal Mechanics
 Dr UTA PASZKOWSKI, *JN*, appointed Reader in Plant Molecular Genetics
 Dr DÉNES SZÜCS, *DAR*, appointed Reader in Cognitive Neuroscience and Psychology
 Dr MARTA ZLATIC, *T*, appointed Reader in Systems and Circuits Neuroscience
 Dr RAGNHILDUR KARADOTTIR, appointed Reader in Cellular Neuroscience

School of Clinical Medicine

Dr MENNA CLATWORTHY, *PEM*, appointed Reader in Immunity and Inflammation
 Dr EMANUELE DI ANGELANTONIO, *Q*, appointed Reader in Translational Epidemiology
 Dr FERDIA GALLAGHER, *CAI*, appointed Reader in Molecular Imaging

School of the Humanities and Social Sciences

Dr SARA HORRELL, *MUR*, appointed Reader in Economic History
 Dr ROBERT KARNER RENDAHL, *CC*, appointed Reader in Economics
 Dr KRISTINE BLACK-HAWKINS, appointed Reader in Inclusive Education
 Dr HILARY CREMIN, *F*, appointed Reader in Education
 Dr LUCY DELAP, *MUR*, appointed Reader in Modern British and Gender History
 Dr NICHOLAS GUYATT, *TH*, appointed Reader in North American History
 Dr PAUL WARDE, *PEM*, appointed Reader in Environmental History
 Dr CHRISTOPHER BICKERTON, *Q*, appointed Reader in Modern European Politics
 Dr JOANNA PAGE, *R*, appointed Reader in Latin American Literature and Visual Culture
 Dr AYSE ZARAKOL JAJICH, *EM*, appointed Reader in International Relations
 Dr HAZEM KANDIL, *CTH*, appointed Reader in Political Sociology
 Dr HENNING GROSSE RUSE-KHAN, *K*, appointed Reader in International and European Intellectual Property Law
 Ms JOANNA MILES, *T*, appointed Reader in Family Law and Policy
 Dr PHILIPPA ROGERSON, *CAI*, appointed Reader in Private International Law
 Dr ELISABETE SILVA, *R*, appointed Reader in Spatial Planning

School of the Physical Sciences

Dr POUL CHRISTOFFERSEN, *MUR*, appointed Reader in Glaciology
 Dr ANDERS HANSEN, *PET*, appointed Reader in Mathematics
 Dr ULRICH SPERHAKE, appointed Reader in Gravitation
 Dr JOHN RYAN TAYLOR, *JN*, appointed Reader in Oceanography
 Dr OSCAR RANDAL-WILLIAMS, *K*, appointed Reader in Pure Mathematics
 Dr HENRY WILTON, *T*, appointed Reader in Pure Mathematics
 Dr MADHUSUDHAN NIKKU, appointed Reader in Astrophysics and Exoplanetary Science
 Dr IAN PARRY, appointed Reader in Astronomical Optics
 Dr SILVIA VIGNOLINI, *JE*, appointed Reader in Chemistry and Bio-Materials
 Dr HOWARD STONE, *Q*, appointed Reader in Metallurgy
 Dr SARAH BOHNDIEK, *CC*, appointed Reader in Biomedical Physics
 Dr DAVID BUSCHER, *PEM*, appointed Reader in Experimental Astronomy
 Dr ALEXANDER MITOV, *EM*, appointed Reader in Theoretical Physics
 Dr SUCHITRA SEBASTIAN, *T*, appointed Reader in Physics

School of Technology

Dr XIN CHANG, *DAR*, appointed Reader in Financial Economics
 Dr ALASTAIR BERESFORD, *R*, appointed Reader in Computer Security
 Dr PAULA BUTTERY, *CAI*, appointed Reader in Computing and Language
 Dr MATEJA JAMNIK, *W*, appointed Reader in Artificial Intelligence
 Dr ANDREW RICE, *Q*, appointed Reader in Computer Science
 Dr ADAM BOIES, *T*, appointed Reader in Nanomaterials and Aerosol Engineering
 Dr IOANNIS BRILAKIS, appointed Laing O'Rourke Reader in Construction Engineering
 Dr MICHAEL DE VOLDER, *JN*, appointed Reader in Nanomanufacturing
 Dr JOHN DURRELL, *PEM*, appointed Reader in Superconductor Engineering
 Dr TAWFIQUE HASAN, *CHU*, appointed Reader in Nanomaterials Engineering

Dr ALEXANDRE KABLA, *EM*, appointed Reader in Mechanobiology
 Dr PER OLA KRISTENSSON,² *T*, appointed Reader in Interactive Systems Engineering
 Dr ATHINA MARKAKI, *R*, appointed Reader in Materials and Biomedical Engineering
 Dr SUMEETPAL SINGH, *CHU*, appointed Reader in Engineering Statistics

Non-School Institutions

Dr SPIKE BUCKLOW, appointed Reader in Material Culture

² The General Board's Report of 14 June 2017 in error omitted the second part of Dr Kristensson's forename, which is now included.

REGULATIONS FOR EXAMINATIONS

Historical Tripos

(*Statutes and Ordinances*, p. 328)

With effect from 1 October 2017

The General Board, on the recommendation of the Faculty Board of History, has approved amendments to the regulations, so as to specify the type of examination and date of submission of assessments, group papers into sections, change the submission date of the essays from the first Friday to the first Thursday of Full Lent and Full Easter Terms, and include the topics/comparative themes in history.

By amending the last paragraph of Regulation 13, so as to read:

Each paper shall be of three hours' duration, except Paper 1. The examination for Paper 1 shall consist of the submission of an essay of 3,000–5,000 words on a topic chosen from a list of topics announced by the Faculty Board. The essay shall be submitted, in accordance with detailed arrangements approved by the Faculty Board, no later than the first Thursday of Full Lent Term.

By deleting 'and has been given leave by the Faculty Board to take Part II in the first, second, or third term after the first term kept' from Regulation 16(a).

By deleting 'and has been given leave by the Faculty Board to take Part II in the fourth, fifth, or sixth term after the first term kept' from Regulation 16(b).

By amending Regulation 17(d) so as to read:

(d) A dissertation shall be submitted to the Secretary of the Faculty, in accordance with arrangements approved by the Board, so as to arrive not later than the first Thursday of the Full Easter Term in which the examination is to be held.

History and Politics Tripos

(*Statutes and Ordinances*, p. 340)

With effect from 1 October 2017

The General Board, on the recommendation of the Faculty Board of History, has approved amendments to the regulations, so as to change the paper title of *POL1 Analysis of politics* to *POL1 The modern state and its alternatives* and of *POL2 International relations* to *POL2 International conflict, order, and justice*, specify the type of examination and date of submission of assessments, group papers into sections, change the submission date of the essays from the first Friday to the first Thursday of Full Lent and Full Easter Terms, and include the topics/comparative themes in history. The Faculty Board has confirmed that no students will be disadvantaged by these changes and that students will be contacted regarding the changes in the paper titles.

Regulation 12.

By replacing Regulation 12 with the following:

12. The scheme of examination for Part IA shall be:

Section A

- (i) Evidence and argument (Paper HP1)
- (ii) The modern state and its alternatives (Paper POL1 of Part I of the Human, Social, and Political Sciences Tripos);
- (iii) International conflict, order, and justice (Paper POL2 of Part I of the Human, Social, and Political Sciences Tripos).

Section B

Papers from Sections B and D from Part I of the Historical Tripos as follows:

- (i) British political history, 1688–1886 (Paper 5);
- (ii) British political history, since 1880 (Paper 6);
- (iii) European history, 1715–1890 (Paper 17);
- (iv) European history, since 1890 (Paper 18).

A candidate for Part IA shall be required to offer the three papers listed in Section A and one further paper from Section B.

Each Paper shall be of three hours' duration except HP1. The examination for HP1 shall consist of a written paper of one and a half hours' duration and the submission of an essay of not more than 4,000 words. The Faculty Board of History shall publish prescribed titles or subjects for the essay by the division of Lent Term. The essay shall be submitted, in accordance with detailed arrangements approved by the Faculty Board, no later than the third Thursday of Full Easter Term.

Regulation 14.

By replacing Regulation 14 with the following:

- 14.** The scheme of examination for Part IB shall be as follows:

Section A

- (i) History of political thought to *c.* 1700 (Paper 19 of Part I of the Historical Tripos);
- (ii) History of political thought from *c.* 1700 to *c.* 1890 (Paper 20 of Part I of the Historical Tripos).

Section B

- (i) International relations II (Paper POL3 of Part II of the Human, Social, and Political Sciences Tripos);
- (ii) Comparative politics (Paper POL4 of Part II of the Human, Social, and Political Sciences Tripos).

Section C

Papers from Sections C, F, and G from Part I of the Historical Tripos as follows:

- (i) British economic and social history, 1700–1880 (Paper 10);
- (ii) British economic and social history, since *c.* 1880 (Paper 11);
- (iii) World history since 1914 (Paper 23);
- (iv) History of the United States since 1865 (Paper 24).

Section D

- (i) Conceptual issues in political and international relations (Paper POL5 of Part II of the Human, Social, and Political Sciences Tripos);
- (ii) Statistics and economic methods (Paper HP2);
- (iii) Historical project (Paper HP3).

A candidate for Part IB shall be required to offer one paper from each section.

Each paper shall be of three hours' duration except POL5 and HP3. The examination for POL5 shall consist of the submission of two essays each of not more than 5,000 words. The examination for HP3 shall consist of the submission of two essays of no fewer than 3,000 and not more than 5,000 words each. The Faculty Board of History shall publish prescribed titles or subjects for essays by the beginning of the Michaelmas Term next preceding the examination concerned. The two essays shall be typewritten and submitted, in accordance with detailed arrangements approved by the Faculty Board, not later than the first Thursday of Full Lent Term and Full Easter Term respectively.

Regulation 16.

By replacing Regulation 16 with:

16. A candidate for Part II shall be required to offer Paper HP4 and *either* three papers from Sections B–C or two papers from Sections B–C and a dissertation.

Section A

- (i) General themes and issues (Paper HP4).

Section B

- (i) The history of political thought from *c.* 1700 to *c.* 1890 (Paper 4 of Part II of the Historical Tripos);
- (ii) Political philosophy and the history of political thought since *c.* 1890 (Paper 5 of Part II of the Historical Tripos);
- (iii) States between states: the history of international political thought from the Roman empire to the early nineteenth century (Paper 6 of Part II of the Historical Tripos).

Section C

- (i) Variable papers, approved by the Committee of Management, on subjects in politics and international relations specified by the Faculty Board of Human, Social, and Political Science for Parts IIA and IIB of the Human, Social, and Political Sciences Tripos and on topics or comparative themes in history specified by the Faculty Board of History for Part II of the Historical Tripos.

By incorporating Regulations 17(a)–(e) into Regulation 16, and in paragraph (a) replacing the words ‘under Regulation 16’ with ‘under this regulation’, and in paragraph (d) deleting ‘Friday’ and replacing it with ‘Thursday’.

Master of Business Administration

(*Statutes and Ordinances*, p. 431)

With effect from 1 October 2017

The General Board, on the recommendation of the Faculty Board of Business and Management, has approved amendments to the regulations for the degree of Master of Business Administration so as to remove the option of a two-year integrated course, separate the full-time and part-time options into different strands, and add a diligent attendance requirement as part of Option A (full-time M.B.A.). The new regulations will read as follows:

MASTER OF BUSINESS ADMINISTRATION

1. A candidate for the M.B.A. Examination must be approved by the Degree Committee for the Faculty of Business and Management, who shall assign to each candidate a date of commencement of candidature.

2. The Degree Committee may approve as a candidate for the M.B.A. Examination any student who has satisfied the Committee that by reason of previous study he or she is qualified to engage in postgraduate work in Management Studies.

3. Applications for approval under Regulation 2 shall be sent to the Secretary of the Degree Committee so as to arrive not later than 31 March next preceding the date on which the applicant wishes her or his candidature to begin, provided that the Committee shall have power to consider applications submitted after that date.

4. The course of study leading to the M.B.A. Examination shall cover the following aspects of business administration: basic skills and functional knowledge, organizational integration, the organization in its environment. The course of study shall consist, at the choice of the candidate, of one of the Options outlined in Regulation 12 below.

5. No student shall be a candidate for the M.B.A. Examination or for any part thereof on more than one occasion.

6. The Faculty Board of Business and Management shall have power to issue supplementary regulations determining the scope and manner of assessment of the examination in either Option, and shall be empowered to amend such supplementary regulations from time to time as they may think fit, due care being taken that sufficient notice is given of any change.

7. The Faculty Board shall nominate such number of Examiners and Assessors as they may deem sufficient, including a resident member of the Senate as Chair of Examiners.

8. The names of the candidates who satisfy the Examiners shall appear in separate class-lists according to the Option that they have followed. The names of the candidates in each class-list shall be arranged in alphabetical order in a single class; a mark of distinction shall be affixed to the names of those students whose work is of special merit. The Chair of Examiners shall communicate the marks of all candidates to the Registry.

9. While following the course of study leading to the M.B.A. Examination a student shall pay the appropriate University Composition Fee for each year of the course (including periods spent away from Cambridge).

10. On completing the requisite number of terms, or hours of study, as set out in Regulation 4 a student who has satisfied the Examiners in the M.B.A. Examination shall be entitled to proceed to the degree of Master of Business Administration.

11. A student who has taken the M.B.A. Examination shall not be entitled to count the period or any part of the period during which he or she has been a candidate for that examination towards a course of research for the degree of Ph.D., M.Sc., or M.Litt.

12. The M.B.A. Examination shall consist, at the choice of the candidate, of either Option A or Option B as follows:

Option A: one-year course

A course extending over one academical year, including three terms' residence in the University. The examination for Option A shall consist of compulsory modules, elective modules, and project work, as outlined below. Examination of the modules may be by written paper, essay, coursework, or another mode of assessment announced by the Faculty Board. Each candidate will have to complete a minimum of three written papers, the duration of which will be announced by the Faculty Board.

(a) *Compulsory modules*

The Faculty Board shall give notice of the topics and form of assessment for each compulsory module by the end of the Easter Term immediately preceding the start of the course.

(b) *Elective modules*

The Faculty Board shall give notice of the topics for elective modules by the end of the Easter Term immediately preceding the start of the course. The Faculty Board shall give notice of the form of assessment for each elective module by the end of the term immediately preceding the term in which the work is to be completed.

(c) *Project work*

The Faculty Board shall give notice of the list of summer activities and the format for submission by the end of the Lent Term, provided that the Board shall have the power of subsequently issuing amendments if they have due reason for doing so and they are satisfied that no student's preparation for the examination is adversely affected.

The Examiners shall have power to examine a candidate *viva voce* on any or all of the three sections of the examination (a)–(c).

No student's name shall appear on the list of successful candidates for the M.B.A. Examination unless the Director of the Judge Institute of Management is satisfied that the student has diligently attended the course.

Option B: Executive M.B.A. course

A course extending over a period of two years comprising a number of course units and project work, which shall include not less than 300 hours of formal instruction in the University and not less than 120 hours of open study prescribed by the Faculty Board. The examination for Option B shall consist of compulsory modules, elective modules, and project work, as outlined below. Examination of the modules may be by written paper, essay, coursework, or another mode of assessment announced by the Faculty Board. Each candidate will have to complete a minimum of three written papers, the duration of which will be announced by the Faculty Board.

(a) *Compulsory modules*

The Faculty Board shall give notice of the topics and form of assessment for each compulsory module by the end of the Easter Term immediately preceding the start of the course.

(b) *Elective modules*

The Faculty Board shall give notice of the topics and form of assessment for elective modules by the end of the term immediately preceding the term in which the work is to be completed.

(c) *Project work*

The Faculty Board shall give notice of the format and length for submission of project work by the end of the Lent Term, provided that the Board shall have the power of subsequently issuing amendments if they have due reason for doing so and they are satisfied that no student's preparation for the examination is adversely affected.

The Examiners shall have power to examine a candidate *viva voce* on any or all of the three sections of the examination (a)–(c).

No student's name shall appear on the list of successful candidates for the M.B.A. Examination unless the Director of the Judge Institute of Management is satisfied that the student has diligently attended the course.

Master of Finance

(*Statutes and Ordinances*, p. 452)

With effect from 1 October 2017

The General Board, on the recommendation of the Faculty Board of Business and Management, has approved an amendment to the regulations for the degree of Master of Finance so as to introduce the award of a distinction.

By amending Regulation 10 so as to read:

10. The names of the candidates who satisfy the Examiners shall be arranged in alphabetical order in a single class; a mark of distinction shall be affixed to the names of those students whose work is of special merit. The Chair of Examiners shall communicate the marks of all candidates to the Registry.

Bachelor of Medicine and Bachelor of Surgery (Curriculum Regulations)

(*Statutes and Ordinances*, p. 458)

With effect from 1 September 2017

The General Board, on the recommendation of the Faculty Board of Clinical Medicine, gives notice that the regulations for the Degrees of Bachelor of Medicine and Bachelor of Surgery have been amended so as to increase clarity and transparency of what constitutes an ‘attempt’ at an examination. This amendment formalizes the existing policy and practice of the Faculty Board of Clinical Medicine.

By inserting a new Regulation 7 (and renumbering all subsequent regulations) so as to read:

7. A student shall be deemed to have had an attempt at an examination under these regulations (including an attempt at any subject or component assessed by that examination) if he or she:

- (a) has taken her or his place for the examination and the formal start of the examination is recorded, irrespective of whether the student began or completed any part of the examination;
- (b) except by special permission of the Faculty Board granted in exceptional circumstances, if the student fails to take her or his place for the examination, and her or his examination entry has not been withdrawn.

Examination in Genomic Medicine for the M.Phil. Degree: Correction

(*Statutes and Ordinances*, p. 510)

The General Board announces the following change to the amendment to the regulations for the degree of Master of Philosophy in Genomic Medicine published by Notice on 5 July 2017 (*Reporter*, 6472, 2016–17, p. 712): the new regulations will take effect from **1 October 2018** (not 1 October 2017 as initially stated).

Examination in Genomic Medicine for the M.St. Degree: Correction

(*Statutes and Ordinances*, p. 543)

The General Board announces the following change to the amendment to the regulations for the degree of Master of Studies in Genomic Medicine published by Notice on 5 July 2017 (*Reporter*, 6472, 2016–17, p. 712): the new regulations will take effect from **1 October 2018** (not 1 October 2017 as initially stated).

Postgraduate Diploma in Genomic Medicine: Correction

(*Statutes and Ordinances*, p. 577)

The General Board announces the following change to the amendment to the regulations for the scheme of examination in the Postgraduate Diploma in Genomic Medicine published by Notice on 5 July 2017 (*Reporter*, 6472, 2016–17, p. 713): the new regulations will take effect from **1 October 2018** (not 1 October 2017 as initially stated).

Postgraduate Certificate in Genomic Medicine: Correction

(*Statutes and Ordinances*, p. 578)

The General Board announces the following change to the amendment to the regulations for the scheme of examination in the Postgraduate Certificate in Genomic Medicine published by Notice on 5 July 2017 (*Reporter*, 6472, 2016–17, p. 713): the new regulations will take effect from **1 October 2018** (not 1 October 2017 as initially stated).

NOTICES BY FACULTY BOARDS, ETC.**Law Tripos, 2017–18: Half-papers for Paper 49**

The Faculty Board of Law gives notice that, in accordance with Regulation 15, the following subjects have been prescribed as half-papers for Paper 49 of the Law Tripos in 2017–18 (*Statutes and Ordinances*, p. 360):

Banking law
 Civil procedure
 European environmental and sustainable development law
 Landlord and tenant law
 Law of succession
 Personal information law
 Topics in European legal history
 Topics in legal and political philosophy

Law Tripos, Part II, 2017–18: Seminar courses for Paper 50

The Faculty Board of Law gives notice that, in accordance with Regulation 15, the following subjects have been prescribed for seminar courses in Part II of the Law Tripos in 2017–18 (*Statutes and Ordinances*, p. 360):

Crime and criminal justice
 Ethics and the criminal law
 Family in society
 The legal process: justice and human rights
 Private law
 Public law
 Select issues in international law
 Tax law and policy
 Women and the law

M.C.L., 2017–18: Designated papers and form of examination

The Faculty Board of Law gives notice that the following designated papers have been prescribed for the Master of Corporate Law examination, 2017–18 (Regulation 6, *Statutes and Ordinances*, p. 453):

No.	Paper title	Form of examination
8	International financial law	3
9	Corporate finance law	3
10	Corporate governance	3
14	Competition law	3
M1	The legal and economic structure of corporate transactions	c
M2b	Shareholder litigation (Module)	2
M2e	International merger control (Module)	2
M2f	US corporate law (Module)	2
M2g	The law firm as a business (Module)	2
M2h	Aspects of financial regulation (Module)	2

Explanation of forms of examination

- ‘3’ indicates a subject in which a three-hour final examination is required; a candidate has no option of substituting a thesis or a two-hour examination and an essay.
- ‘2’ indicates a subject in which a two-hour final examination is required; a candidate has no option of substituting a thesis.
- ‘c’ indicates a subject in which candidates will be evaluated by coursework prescribed by the Faculty Board from time to time.

LL.M., 2017–18: Designated papers, prescribed subjects, and forms of examination

The Faculty Board of Law gives notice that it has prescribed the following papers and forms of examination for the Master of Law examination, 2017–18 (Regulations 1 and 2, *Statutes and Ordinances*, p. 454).

No.	Paper title	Form of examination	Designation
1	Law, medicine, and life sciences	t	
3	International commercial litigation	3	c, e, i
4	Law of restitution	t	c
5	Economics of law and regulation	t	c, e
6	Law and information	3	c, e, ip
7	Corporate insolvency law	3	c
8	International financial law	3	c
9	Corporate finance law	t	c
10	Corporate governance	t	c
11	Criminal justice – players and processes	es, t	c
12	Intellectual property	es, t	c, e, ip
14	Competition law	3	c, e, ip*
16	Constitutional law of the European Union	t	e
17	E.U. trade law	t	e
20	Law of armed conflict, use of force, and peacekeeping	3	i
23	The law of the World Trade Organization	t	i, ip*
24	International criminal law	t	i
25	International human rights law	t	i
26	Civil liberties and human rights	es	
27	The birth, development, and afterlife of states	3	i
29	International investment law	t	i
30	Jurisprudence	3	
31	Topics in legal and political philosophy	3	
33	Comparative family law and policy	t	i
34	International law of global governance	t	i
35	History of English civil and criminal law	t	
36	International intellectual property law	es, t	c, e, i, ip
38	Seminar paper		
39	Legislation	3	
41	Advanced private law	t	c

* A candidate applying for an IP designation may offer Paper 14 and Paper 23, but only one of these two papers can be counted for the purpose of qualifying for the IP designation.

Explanation of forms of examination

- A candidate may take a written paper of three hours' duration in all the subjects listed above, other than Paper 38.
- *Paper 38: Seminar paper.* Paper 38 shall be examined by the submission of a thesis which shall not exceed 18,000 words including footnotes and appendices, but excluding bibliography, on a topic approved by the Faculty Board which falls within the scope of the following seminar courses prescribed for 2017–18:

(a) Public law

(b) The judiciary in comparative perspective

'es' indicates a subject in which a candidate has a free choice between:

(a) a written paper of three hours' duration; and

(b) a written paper of two hours' duration together with the submission of an essay of not more than 7,000 words, including footnotes and appendices but excluding bibliography, on a topic approved by the Faculty Board which falls within the field of the subject.

't' indicates a subject in which a candidate may submit a thesis in lieu of a final examination. The thesis shall not exceed 18,000 words including footnotes and appendices, but excluding bibliography. It shall be on a topic approved by the Faculty Board falling within the field of the subject.

- '3' indicates a subject in which a three-hour final examination is required, the candidate having no option of substituting a thesis or a two-hour examination and an essay.
- In 2017–18 there are no subjects which may be examined only in the form of a written paper of two hours' duration together with the submission of an essay of not more than 7,000 words, including footnotes and appendices but excluding bibliography, on a topic approved by the Faculty Board which falls within the field of the subject.

Examination in Bioscience Enterprise for the M.Phil. Degree, 2017–18

The Degree Committee for the Faculty of Engineering gives 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. 497) in the academical year 2017–18, and the form of examination of each module, will be as follows:

Science and Technology (ST) modules

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
ST1	Treating disease	Coursework
ST2	Drug discovery I	Coursework
ST3	Drug discovery II	Coursework
ST4	Diagnostics and devices	Coursework
ST5	Agbiotech	Coursework

Business (B) modules

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
B1, B2, and B3	Management of technology and innovation	Coursework
B4	Healthcare economics	Coursework
B5	Law and intellectual property	Coursework

Transitional (T) modules

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
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.

The Degree Committee for the Faculty of Engineering may issue amendments to the above lists during the Michaelmas Term 2017, provided that no candidate's preparation for the examination will be affected by the change.

Examination in Energy Technologies for the M.Phil. Degree, 2017–18

The Degree Committee for the Faculty of Engineering gives 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. 505) in the academical year 2017–18, and the form of examination of each module, will be as follows:

Core courses (compulsory)

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
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)

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
ETB4	Energy systems and efficiency	Coursework
4A2	Computational fluid dynamics	Coursework
4A3	Turbomachinery I	Coursework and examination
4A7	Aerodynamics	Coursework
4A9	Molecular thermodynamics	Examination
4A10	Flow instability	Examination
4A12	Turbulence and vortex dynamics	Examination
4A13	Combustion and IC engines	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
4M20	Robotics	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 may issue amendments to the above lists during the Michaelmas Term 2017, provided that no candidate's preparation for the examination will be affected by the change.

Examination in Engineering for Sustainable Development for the M.Phil. Degree, 2017–18

The Degree Committee for the Faculty of Engineering gives 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. 506) in the academical year 2017–18, and the form of examination of each module, will be as follows:

Inner core modules (mandatory)

Teaching to take place in Michaelmas Term 2017

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
ESD150	Driving change towards sustainability	Coursework
ESD200	Sustainability methods and metrics	Coursework

Teaching to take place in Michaelmas Term 2017 and Lent Term 2018

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
MOT&I	Management of technology and innovation	Coursework

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

Teaching to take place in Lent Term 2018

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i> ²
ESD360	Resilience and hazard mitigation in future cities	Coursework
ESD450	Policy, legislation, and government	Coursework
ESD560	Innovations in sustainable manufacturing	Coursework
ESD650	International development	Coursework

Elective modules

Teaching to take place in Michaelmas Term 2017

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
4B19	Renewable electrical power	Examination ²
4D13	Architectural engineering	Coursework
4D16	Construction engineering	Examination ²
4E4	Management of technology	Coursework
4E6	Accounting and finance	Coursework
4M18	Present and future energy systems	Examination ²
4M19	Advanced building physics	Coursework
TP1	Technology policy: concepts and frameworks	Coursework
TPE23	Negotiation skills	Coursework
TPE25 ⁴	Strategic valuation uncertainty and real options in system design	Coursework
EP02 ⁴	Fundamentals of environmental economics	Coursework
ESD-A2	Sustainable architecture and urban design	Coursework

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.

Teaching to take place in Lent Term 2018

ESD700 ^{3,5}	Infrastructure design of poor settlements in developing countries	Coursework
ESD900 ³	Management of resilient water systems	Coursework
4D14	Contaminated land and waste containment	Coursework and examination
4E5	International business economics	Coursework
4E11	Strategic management	Coursework
4G4	Biomimetics	Coursework
4I7/TEP22	Electricity and environment	Coursework
5R19	Earthquake engineering	Coursework
ETB2 ⁵	Renewable energy: wind, wave, tidal, and hydro	Coursework
ETB3 ^{5,6}	Renewable energy: solar and biomass	Coursework
ETB4 ⁵	Energy systems and efficiency	Coursework
TPE4 ⁷	Business, government, and technology in emerging markets	Coursework
TPE5	Policy, design, and evaluation	Examination (two hours)
TPE20	Management of the innovation process	Coursework
EP10 ⁴	Climate change policy and land development	Examination ²

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 may issue amendments to the above lists during the Michaelmas Term 2017, provided that no candidate's preparation for the examination will be affected by the change.

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 Provisional, and to be confirmed.

⁶ Lectures in both Michaelmas and Lent Terms (classed as Lent module).

⁷ Limited places available.

Examination in Industrial Systems, Manufacturing, and Management for the M.Phil. Degree, 2017–18

The Degree Committee for the Faculty of Engineering gives 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. 513) in the academical year 2017–18, and the form of examination of each module, will be as follows:

Taught modules (all compulsory)

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
MT1	Manufacturing processes	Coursework
MT2	Manufacturing systems	Coursework
MT3	Organisational systems	Coursework
MT4	Business ecosystems	Coursework

Projects (all compulsory)

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
PR1	Induction project	Coursework
PR2	Industrial systems and manufacturing processes project	Coursework
PR3	Entrepreneurship project	Coursework
PR4	Innovation and strategy project	Coursework

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 may issue amendments to the above lists during the Michaelmas Term 2017, provided that no candidate's preparation for the examination will be affected by the change.

Examination in Machine Learning, Speech, and Language Technology for the M.Phil. Degree, 2017–18

The Degree Committee for the Faculty of Engineering gives 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. 515) in the academical year 2017–18, and the form of examination of each module, will be as follows:

Core modules

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
MLSALT1	Introduction to machine learning and spoken language processing	Coursework and examination
MLSALT2	Speech recognition	Coursework
MLSALT4	Advanced machine learning	Coursework
MLSALT5	Speech and language processing applications (<i>half</i>)	Coursework
MLSALT7	Reinforcement learning and decision making (<i>half</i>)	Coursework
MLSALT8	Statistical machine translation (<i>half</i>)	Coursework
MLSALT9	Statistical spoken dialogue systems (<i>half</i>)	Coursework
MLSALT10	Statistical speech synthesis (<i>half</i>)	Coursework
MLSALT12	Computer vision (<i>optional</i>)	Coursework
MLSALT13	Natural language processing (<i>optional</i>)	Coursework
4F10	Deep learning and structured data	Examination
4F13	Probabilistic machine learning (<i>two</i>)	Coursework

Elective modules (candidates must take one)

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
4F1	Control system design	Coursework and 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
4F14	Computer systems	Coursework and examination
4G3	Computational neuroscience	Coursework
4M17	Practical optimization	Coursework
4M20	Robotics	Coursework
L18	Automated reasoning	Coursework
L95	Introduction to natural language syntax and parsing	Coursework
R222	Advanced topics in natural language processing	Coursework

Note that some options are half modules, and that one is weighted as two 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 may issue amendments to the above lists during the Michaelmas Term 2017, provided that no candidate's preparation for the examination will be affected by the change.

Examination in Nuclear Energy for the M.Phil. Degree, 2017–18

The Degree Committee for the Faculty of Engineering gives 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. 520) in the academical year 2017–18, and the form of examination of each module, will be as follows:

Compulsory core modules

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
NE1	Reactor physics	Examination
NE2	Reactor engineering and thermal-hydraulics (<i>double</i>)	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)

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

Elective modules

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
4A2	Computational fluid dynamics	Coursework
4A3	Turbomachinery I	Coursework and examination
4B13	Electronic sensors and instrumentation	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
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	Examination
4I8	Medical physics	Examination
4M12	Partial differential equations and variational methods	Examination
4M15	Sustainable energy	Coursework and examination
4M17	Practical optimization	Coursework
ESD560	Innovations in sustainable manufacturing	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 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 may issue amendments to the above lists during the Michaelmas Term 2017, provided that no candidate's preparation for the examination will be affected by the change.

Examination in Future Infrastructure and Built Environment for the M.Res. Degree, 2017–18

The Degree Committee for the Faculty of Engineering gives notice that the modules available to candidates studying the one-year course in Future Infrastructure and Built Environment for the degree of Master of Research (*Statutes and Ordinances*, p. 532) in the academical year 2017–18, and the form of examination of each module, will be as follows:

Core modules (all compulsory)

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
CM1	Civil engineering theory	Coursework
CM2	Civil engineering research methods	Coursework
CM3	Multi-disciplinarity in civil engineering	Coursework
ETech	Introduction to entrepreneurship	Coursework

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

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
4C6	Advanced linear vibrations	Coursework and examination
4C7	Random and non-linear vibrations	Coursework and examination
4C9	Continuum mechanics	Examination
4D4	Construction engineering	Coursework
4D5	Foundation engineering	Coursework and examination
4D7	Concrete structures	Coursework and examination
4D8	Pre-stressed concrete	Examination
4D10	Structural steelwork	Coursework and examination
4D13	Architectural engineering	Coursework
4D15	Sustainable water engineering	Coursework
4F8	Image processing and image coding	Examination
4F12	Computer vision	Examination
4G4	Biomimetics	Coursework
4M12	Partial differential equations and variational methods	Examination
4M14	Sustainable development	Coursework
4M16	Nuclear power engineering	Examination
4M17	Practical optimization	Coursework
4M18	Present and future energy systems	Examination
4M19	Advanced building physics	Coursework
5R5	Advanced experimental methods in geomechanics	Coursework
5R13	Experimental methods in mechanics	Coursework
5R14	Nonlinear solid mechanics	Coursework
5R19	Earthquake engineering	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 may issue amendments to the above lists during the Michaelmas Term 2017, provided that no candidate's preparation for the examination will be affected by the change.

Examination in Gas Turbine Aerodynamics for the M.Res. Degree, 2017–18

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. 533) in the academical year 2017–18, and the form of examination of each module, will be as follows:

Core modules

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
GTA1	Advanced gas turbine aerodynamics	Examination
GTA2	Turbomachinery aerodynamic design process	Coursework
GTA3	Experimental methods	Coursework
GTA4	Researcher skills	Coursework

Elective modules

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
4A2	Computational fluid dynamics	Coursework
4A3	Turbomachinery I	Coursework and examination
4A7	Aerodynamics	Coursework
4A9	Molecular thermodynamics	Examination
4A15	Aeroacoustics	Examination
4B19	Renewable electrical power	Examination
4E4	Management of technology	Coursework
4E6	Accounting and finance	Coursework
4F1	Control system design	Coursework and examination
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	Combustion system aerodynamics
MP2	Compressor performance
MP3	Internal flows and combustor turbine interaction

All candidates are furthermore required to complete two industry courses:

IC1	Holistic gas turbine design
IC2	Hands-on gas turbine training

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 may issue amendments to the above lists during the Michaelmas Term 2017, provided that no candidate's preparation for the examination will be affected by the change.

Examination in Graphene Technology for the M.Res. Degree, 2017–18

The Degree Committee for the Faculty of Engineering gives 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. 533) in the academical year 2017–18, and the form of examination of each module, will be as follows:

Core modules (all compulsory)

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
GRM1	Technology of graphene, related layered materials, and hybrid systems	Examination
GRM2	Science of graphene, related layered materials, and hybrid systems	Examination
GRM3	Flexible electronics	Examination
NT01	Characterization techniques	Examination
NT04	Nanofabrication techniques	Examination
NT07	Physics at the nanometre-scale	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 may issue amendments to the above lists during the Michaelmas Term 2017, provided that no candidate's preparation for the examination will be affected by the change.

Examination in Integrated Photonic and Electronic Systems for the M.Res. Degree, 2017–18

The Degree Committee for the Faculty of Engineering gives 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. 533) in the academical year 2017–18, and the form of examination of each module, will be as follows:

Biophysics

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
4B5	Nanotechnology	Coursework and examination
4G2	Biosensors	Coursework
UCLAPD	Advanced photonic devices	Examination
UCLPON	Physics and optics of nano-structure	Coursework and examination

Photonic systems

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
4B11	Photonic systems	Examination
UCLPSS	Photonic sub-systems	Examination
UCLBTC	Broadband technologies and components	Examination

Business

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
4E4	Management of technology	Coursework
4E11	Strategic management	Coursework
UCLTBE	Telecommunication business environment	Coursework

Electives

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
4B6	Solid state devices and chemical/biological sensors	Examination
4B13	Electronic sensors and instrumentation	Examination
4B21	Analogue integrated circuits	Examination
4B22	Flexible electronics	Examination
4B23	Optical fibre communication	Coursework and examination
4B24	Radio frequency systems	Coursework and examination
4B25	Embedded systems for the Internet of Things	Coursework
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	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 (reference: MP1 and MP2).

The Degree Committee for the Faculty of Engineering may issue amendments to the above lists during the Michaelmas Term 2017, provided that no candidate's preparation for the examination will be affected by the change. All modules beginning 'UCL' are provided and examined by University College, London.

Examination in Sensor Technologies and Applications for the M.Res. Degree, 2017–18

The Degree Committee for the Faculty of Engineering gives 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. 535) in the academical year 2017–18, and the form of examination of each module, will be as follows:

Core modules (all compulsory)

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
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)

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
2/BP	Biological physics	Examination
4B5	Nanotechnology	Coursework and examination
4B6	Solid state devices and chemical/biological sensors	Examination
4B11	Photonic systems	Examination
4B13	Electronic sensors and instrumentation	Examination
4B22	Flexible electronics	Examination
4C3	Electrical and nano materials	Examination
4C15	MEMS design	Coursework and examination

4E12	Project management	Coursework
4F8	Image processing and image coding	Examination
4G2	Biosensors	Coursework
4M20	Robotics	Coursework
B5	Optical imaging and microscopy	Examination
IDP1	Atmospheric chemistry and global change	Examination
MLSALT4	Advanced machine learning	Coursework
NT01	Nanotechnology characterization techniques	Examination
NT08	Bionanotechnology	Examination
R214	Biomedical information processing	Coursework

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 may issue amendments to the above lists during the Michaelmas Term 2017, provided that no candidate’s preparation for the examination will be affected by the change.

Examination in Ultra Precision Engineering for the M.Res. Degree, 2017–18

The Degree Committee for the Faculty of Engineering gives 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. 536) in the academical year 2017–18, and the form of examination of each module, will be as follows:

Compulsory modules

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
CRA1	Precision engineering	Coursework
CRA2	Metrology and optical testing	Coursework
P3	Energy beam micro processing	Coursework
4E4	Management of technology	Coursework
FOM	Fundamentals of metrology	Coursework

Laboratory classes (all compulsory)

<i>Reference</i>	<i>Name</i>	<i>Mode of assessment</i>
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 may issue amendments to the above lists during the Michaelmas Term 2017, provided that no candidate’s preparation for the examination will be affected by the change.

Chancellor's Medal for English Law, 2018: eligible papers

The Faculty Board of Law gives notice that the following papers prescribed for the LL.M. Examination, 2018, are deemed to be papers in English Law and Legal History for the purpose of the award of the Chancellor's Medal for English Law (*Statutes and Ordinances*, p. 780):

3. International commercial litigation
4. Law of restitution
6. Law and information
9. Corporate finance law
10. Corporate governance law
12. Intellectual property
26. Civil liberties and human rights
30. Jurisprudence
33. Comparative family law and policy
35. History of English civil and criminal law
39. Legislation

GRACES

Graces submitted to the Regent House on 26 July 2017

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*, p. 103) will be deemed to have been approved at 4 p.m. on Friday, 4 August 2017.

1. That on the nomination of the Council, Dr ROSAMUND ELLEN THORNTON, of Emmanuel College, be reappointed University Advocate for one year from 1 October 2017.
2. That on the nomination of the Council, Dr JILLAINÉ KAREN SEYMOUR, of Sidney Sussex College, be reappointed Deputy University Advocate for one year from 1 October 2017.
3. That the recommendations in paragraph 12 of the First-stage Report of the Council, dated 26 June 2017, on the construction of a new Shared Facilities Hub building in West Cambridge (*Reporter*, 6471, 2016–17, p. 695) be approved.¹
4. That Regulation 6 of the General Regulations for Discipline (*Statutes and Ordinances*, p. 191) be amended so as to read:²
 6. (a) No member of the University shall engage in the harassment of:
 - (i) a member, officer, or employee of the University or a College; or
 - (ii) any other person where the harassment takes place either within the Precincts of the University or in the course of a University or College activity.
 - (b) Harassment shall include single or repeated incidents involving unwanted and unwarranted conduct towards another person which is reasonably likely to have the effect of (i) violating that other's dignity or (ii) creating an intimidating, hostile, degrading, humiliating, or offensive environment for that other.

¹ See the Council's Notice (p.770).

² The Council, on the recommendation of the General Board, is proposing amendments to the regulation concerning harassment in order to clarify its application. Examples of University or College activity in the course of which harassment might occur outside the University Precincts include activities organized by University or College institutions, societies, and sports clubs.

ACTA**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. 458) the degree of Bachelor of Medicine was conferred on 26 June 2017 upon the following persons who received the degree of Bachelor of Surgery on 24 June 2016:

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. 458), the degree of Bachelor of Surgery was conferred on 23 June 2017 upon the following persons:

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Congregation of the Regent House on Friday, 21 July 2017

A Congregation of the Regent House was held at 10 a.m. All of the Graces submitted to the Regent House (*Reporter*, 6474, 2016–17, p. 764) were approved.

The following degrees were conferred:

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Congregation of the Regent House on Saturday, 22 July 2017

A Congregation of the Regent House was held at 10 a.m. All of the Graces submitted to the Regent House (*Reporter*, 6474, 2016–17, p. 764) were approved.

The following degrees were conferred:

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

E. M. C. RAMPTON, *Acting Registrar*

END OF THE OFFICIAL PART OF THE 'REPORTER'

COLLEGE NOTICES

Elections

Corpus Christi College: Christopher Mark Kelly, B.A. (Hons), *Sydney*, Ph.D., *T*, FSA, Professor of Classics and Ancient History, President and Fellow of the College, has been elected Master for a period of ten years with effect from 2 August 2018.

Vacancies

College Research Fellowships

A number of Cambridge Colleges propose to hold competitions for Research Fellowships tenable from the start of the academic year 2018–19 with closing dates for application on or near 1 October 2017. Advertisements will appear online at <http://www.jobs.cam.ac.uk/college/> not later than 31 August 2017.

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.

Christ's College: Stipendiary Junior Research Fellowship in a specified area of Arts, Humanities, and Social Sciences; tenure: four years; closing date: 26 October 2017 at 12 noon; further details: <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; closing date: 10 January 2018 at 12 noon; further details: <http://www.christs.cam.ac.uk/jobs>

Jesus College: Two Research Fellowships in Arts and one in Science; tenure: three years, fixed-term from 1 October 2018; salary: starting from £21,220; online application link available from 28 July 2017; closing date: 28 August 2017; further details: <http://www.jesus.cam.ac.uk/fellows-staff/vacancies/>

Queens' College: Two Junior Research Fellowships, one in Earth Sciences and one in Sociology; tenure: to commence on 1 October 2018; stipend: starting at £21,843, plus benefits; closing date: 1 September 2017 at 12 noon; further details: <http://www.queens.cam.ac.uk/general-information/vacancies>

Awards and Prizes

Queens' College: A list of distinctions and prizes awarded for the 2016–17 academic year is available on the Queens' College website at: <http://www.queens.cam.ac.uk/teaching-learning/distinctions-and-awards/undergraduate-college-prizes-and-awards/prizes-2017>.

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Advice and information on content submission is available on the *Reporter* website at <http://www.reporter.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.