2021-08-TUG

MPLS Divisional Board

Approved on behalf of Education Committee 2nd August 2020. Regulation changes approved 11th August 2021.

Title of Programme/ Name of Regulation

Final Honour School in Mathematics and Computer Science

Brief note about nature of change: major amendment to assessment, to re-introduce Computer Science option papers in Part A

Location of change

https://examregs.admin.ox.ac.uk/Regulation?code=hsomandcompscie&srchYear=2020&srchTerm=1&year=2018&term=1

Effective date

For students starting FHS from MT 2021

Detail of change

Honour School of Mathematics and Computer Science

A

- No candidate shall be admitted to examination in this School unless ~~he or she has~~ they have either passed or been exempted from First Public Examination.

- [1.8]5. The Examiners shall classify the combined results for Parts A and B, and publish the degree classification after the candidates have taken the examinations in Part B, and in respect of candidates taking the four-year course shall separately classify and publish results in Part C.
- [1.9]6.
  - [1.10](*a*) Part A shall be taken on one occasion only. No candidate shall enter for Part B until

~~he or she has~~ they have completed Part A of the examination.

- [1.11](*b*)-In order to proceed to Part C, a candidate must achieve upper second class Honours or higher in Parts A & B together.-
- [1.12](*c*) A candidate who obtains only a pass or fails to satisfy the Examiners in Parts A and B may retake Part B on at most one subsequent occasion; a candidate who fails to satisfy the Examiners in Part C may retake Part C on at most one subsequent occasion. Part B shall be taken on one occasion only by candidates continuing to Part C.

B

[1.22] The examiners shall have power to combine two papers on related option~~al~~ subjects into a single paper for those candidates who offer both the option~~al~~ subjects concerned.

Part A

[1.23]In Part A of the examination, candidates shall be required to offer, from the Mathematics Schedule, papers A0, A2, and either two papers from papers A3–A5, A7–A11 or one paper from A3–A5,A7–A11 and paper ASO:

- [1.24]A0 Linear Algebra
- [1.25]A2 Metric Spaces and Complex Analysis
- [1.26]A3 Rings and Modules
- [1.27]A4 Integration
- [1.28]A5 Topology
- [1.29]A7 Numerical Analysis
- [1.30]A8 Probability
- [1.31]A9 Statistics
- [1.32]A10 Fluids and Waves
- [1.33]A11 Quantum Theory
- [1.34]ASO Short Options

[1.35]Not all options might be available each year.

REPLACE

~~[1.36]Candidates shall also be required to offer two core Computer Science subjects. The Course Handbook will specify the two subjects to be offered, and the manner of examining these subjects shall be the same as that prescribed for the same subject in the Honour School of Computer Science.~~

WITH

Candidates shall also be required to offer two core Computer Science subjects. The Course Handbook will specify the two subjects to be offered.

In addition, candidates will be required to offer two option subjects from schedules A1(M&CS), A2(M&CS), as specified in the Course Handbook.

Each subject shall be examined by means of a written examination, a mini-project, or both, as set out in the Course Handbook.

Schedules A1(M&CS) and A2(M&CS) may contain further sub-schedules which will be specified in the Course Handbook and restrictions may be placed on the maximum number of subjects from

each sub-schedule which a candidate may offer; any such restrictions will be specified in the Course Handbook.

Part B

REPLACE:

~~1.37~~

~~1.38In Part B of the examination, each candidate shall be required to offer ten optional subjects from Schedules S1(M&CS) and S2(M&CS), to be published on the website of the Department of Computer Science by the beginning of Michaelmas Full Term in the academic year preceding that of the examination, subject to the conditions that:~~

- ~~1.39(*a*) each candidate shall offer at least four subjects from Schedule 1.~~
- ~~1.40(*b*) each candidate shall offer at least two subjects from Schedule 2.~~

~~1.41Each optional subject in Schedule 1 shall be examined by a written paper, by a mini-project, or both. The manner of examining each subject in Schedule 2 shall be the same as that prescribed for the same subject in the Honour School of Mathematics. Each 'unit' in Schedule 2 shall be regarded as equivalent to one subject in the examination, and each 'double unit' shall be regarded as equivalent to two subjects.~~

WITH:

In Part B of the examination, each candidate shall be required to offer eight option subjects from Schedules B1(M&CS), B2(M&CS) to be published on the website of the Department of Computer Science by the beginning of Michaelmas Full Term in the academic year preceding that of the examination, subject to the conditions that:

- (*a*) each candidate shall offer at least two subjects from Schedule B1(M&CS).
- (*b*) each candidate shall offer at least two subjects from Schedule B2(M&CS).
  (*c*) No candidate shall offer an option subject in Part B that they have already offered in Part A of the examination.

Each option subject in Schedule B1 shall be examined by a written paper, by a mini-project, or both, as specified in the Course Handbook.

The manner of examining each subject in Schedule B2(M&CS) shall be the same as that prescribed for the same subject in the Honour School of Mathematics. Each 'unit' in Schedule B2(M&CS) shall be regarded as equivalent to one subject in the examination, and each 'double unit' shall be regarded as equivalent to two subjects.

Schedule B1(M&CS) may contain further sub-schedules which will be specified in the Course Handbook and restrictions may be placed on the maximum number of subjects from each sub-schedule which a candidate may offer; any such restrictions will be specified in the Course Handbook.

Part C

1.42

1.43In Part C of the examination, each candidate shall be required to offer six optional subjects from Schedule C1 and C2 on the website of the Department of Computer Science and submit a Mathematics dissertation, or offer five optional subjects from Schedule C1 and C2, on the website of the Department of Computer Science and submit a report on a Computer Science project, subject to the condition that no candidate shall offer any subject that ~~he or she has~~ they have already offered in Part B of the examination. Each optional subject shall be examined as stated in the Course Handbook. ~~If a subject is examined by mini-project, the completed mini-project should be submitted as follows:~~

~~1.43Where an optional subject requires electronic submission candidates must upload an electronic copy of the completed mini-project for each topic and, where applicable, associated source code, to the mini-projects section of the Computer Science WebLearn site not later than the date given in the Course Handbook.~~

~~1.44Where a topic requires hard copy submission the completed mini-project for each optional subject must be delivered not later than the date given in the Course Handbook to the Chair of the Examiners, Honour School of Mathematics and Computer Science, c/o Examination Schools, High Street, Oxford.~~

~~1.45~~The exact method of submission for each mini-project will be specified in the Course Handbook.

1.46The manner of examining each subject in Schedule C2 shall be the same as that prescribed for the same subject in the Honour School of Mathematics. Each 'unit' in schedule C2 shall be regarded as equivalent to one subject in the examination, and each 'double unit' shall be regarded as equivalent to two subjects.

1.47

1.48Each candidate shall carry out a Computer Science project or a Mathematics dissertation on a topic approved by the Teaching Committee. Each project or dissertation will be supervised by a member of the Faculty of Computer Science, the Faculty of Mathematics or the Faculty of Engineering Science, or by some other person of equivalent seniority approved by the Teaching Committee. Two copies of a report of the Mathematics dissertation shall be submitted to the Chair of the Examiners, Honour School of Mathematics and Computer Science, c/o Examination Schools, High Street, Oxford, by the date given in the Course Handbook. In addition, an electronic copy must be submitted to the Mathematical Institute's website, details will be included in the relevant Notice to Candidates. The report of the Computer Science project shall be submitted to the Assignments section of the Computer Science WebLearn site, by the date given in the Course Handbook. Rules concerning the form of the report will be published in the Course Handbook.

1.49In retaking Part C of the examination, projects or dissertations previously submitted for the examination may be resubmitted. No project or dissertation may be resubmitted if it has already been submitted, wholly or substantially, for another honour school or degree of the University, or of any other institution.

Explanatory Notes