FOUNDATION SCHOLARSHIP EXAMINATION 2021/22
TR061 Chemical Sciences – Information for Scholarship Candidates

The objective of the Scholarship examination in Science is to identify and reward undergraduate students having outstanding interest and ability in their chosen field. Such students should be able to demonstrate some degree of originality and flair, and not simply a high level of performance in basic coursework. Because the Scholarship examination in Science is taken by Senior Freshman students, it is based on the breadth of the Freshman Science course being followed by the student. Scholars are therefore outstanding in the field of general science (or that division of it represented by the range of modules taken by the student in their Freshman years), and not in any specific discipline.

An application form and Foundation Scholarship regulations can be accessed on the Examinations and Timetables Office webpage:

https://www.tcd.ie/academicregistry/exams/scholarship/

Candidates are examined in two science subject areas incorporating such additional reading as may be required by individual heads of school or course directors. Candidates sit four papers of two hours duration. Recommendations for Scholarship will be based on the achievement of a first-class result with first class marks in at least two of the four papers.

Candidates choose two subjects from the following:

- BY: Biology (Molecular, Cellular and Systems Biology)
- BY: Biology (Evolution and Environment)
- CH: Chemistry
- GG: Geography
- GL: Geology
- MA: Mathematics (Science)
- PH: Physics

Important Scholarship Dates

- Deadline for online applications: 19th October to 2nd November 2021
- Submission of online withdrawal forms: 4th November to 10th December 2021
- Foundation Scholarship Examinations: 10th to 14th January 2022 inclusive
- Trinity Monday, (25 April 2022) - Front Square Announcement of Election to Scholarship
TR061: Chemical Sciences
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There will be two two-hour examinations for chemistry in the Scholarship examinations. The subject examined will cover Junior Freshman coursework and material covered in Semester 1 of Senior Freshman chemistry. Candidates will have to answer all four questions on each paper, one of which will be a general question, not based on coursework. All questions will have equal weighting.

The Foundation Scholarship examination in Chemistry examines the subject as covered in Junior Freshman year and in semester 1 of the Senior Freshman year. The questions examine the candidate’s ability to problem solve, to synthesise and integrate knowledge across the Freshman chemistry material.

Candidates must exhibit the ability to apply knowledge and informed critical thinking in all three disciplines of chemistry.

Science Course Office

Note: The information provided in this leaflet is accurate at time of preparation. Any revisions will be notified to students via e-mail and the Science Course Office Website: https://www.tcd.ie/Science/