COURSE DETAILS
Course Code: F10GP
Full Course Title: Mathematics Project Dissertation
SCQF Level: 10
SCAF Credits: 15
Available as Elective: No

DELIVERY LEVEL
Undergraduate: Yes  Postgraduate Taught: No  Postgraduate Research: No
Additional Information:

COURSE AIMS
To introduce the student to concentrated, independent study of a mathematical topic and to develop further report writing and presentation skills introduced in the related 3rd year module.

LEARNING OUTCOMES – SUBJECT MASTERY
By the end of the course, students should be able to:

- demonstrate a reasonable ability to plan and develop a mathematical project (this includes searching independently for information in appropriate sources, and properly citing references in context);
- assemble a coherent account of a topic from such sources;
- give a proficient oral presentation on the subject matter, aimed at a general audience of students in the cohort and instructors;
- write a properly structured dissertation, showing a proper understanding of the topic.

LEARNING OUTCOMES – PERSONAL ABILITIES

- Demonstrate the ability to learn independently
- Demonstrate knowledge of an area of mathematics.
- Manage time, work to deadlines and prioritise workloads

SYLLABUS

Directed reading and other research. A suitable mathematics topic will be chosen from a list prepared by the department in semester 1 of 4th year. The student will have weekly meetings with the project supervisor, who will guide the student in the investigation of the topic.

Oral progress report on the project: Prepare a presentation saying (a) what the project is about (b) what has been done so far; c) how it will be continued and completed.
Written Report: The conclusion of the project is a written report giving a coherent account of the topic studied over the semester, using illustrative examples, calculations, graphs, figures, etc. as appropriate to the topic. The main body of the report should not exceed 5000 words (about 16-30 pages of A4 depending on spacing).

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