**Course Details**

**Course Code:** F71DD  
**Full Course Title:** MSc Dissertation  
**SCQF Level:** 11  
**SCAF Credits:** 60  
**Available as Elective:** No

**Delivery Level**

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<th>Postgraduate Taught:</th>
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<th>Postgraduate Research:</th>
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**Additional Information:**

**Course Aims**

To carry out a sustained and intensive piece of independent work on topics in stochastic modelling and data science and to write a substantial report that communicates the results of this work to others interested in the topic.

**Learning Outcomes – Subject Mastery**

On completion of this module the student should:

- be able to access, use and demonstrate an understanding of the appropriate research literature
- have broadened their knowledge of stochastic modelling and data science
- Have improved their skills in reading research papers in the area
- Detailed and critical understanding of a selected recent development in the chosen topic
- Demonstrate expertise in applying a variety of stochastic or statistical techniques in the context of the problems contained within the project(s)

**Learning Outcomes – Personal Abilities**

- Demonstrate the ability to learn independently
- Manage time, work to deadlines and prioritise workloads
- conduct a sustained and intensive piece of independent work on topics in actuarial science over a period of weeks
- discuss the detail of their project(s) with their supervisor(s)
- perform numerical calculations using a suitable computer language or package as required for the project(s)
- write well-structured and coherent reports on their work in a way which can be easily be understood by their examiners
- assess issues with working as part of a team, as required for the project(s)

**Syllabus**

Students can carry out projects on a variety of topics in stochastic modelling and data science. The project or projects should take the student beyond the courses they have already been taught and examined in on the MSc.

**Course Relationships**
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