

Module content and Weekly plan Week 1 commencing 28-09-2026 [Mondays– 14.00 – 18.00]

Introduction to Research [Week 1]

- Assessment specification
- Software and Tools
- Library Resources
- Referencing and Plagiarism
- Tools : RefWorks, SCISPACE, Elicit

Proposal Elements[Week 2]

- Elements of research proposal
- Preparation for research proposal
- Research process

Project management – [Week 3]

- Literature Review
- Purpose and scope of literature review
- Types of Literature review
- SLR

Literature Review [Week 4]

- Critical analysis
- Research gap identification

Research methodology [Week 5]

- Introduction to research methods
- Research onion design framework

Research Methodology [Week 6]

- Design Science Research

Research Methodology [Week 7]

- Qualitative and quantitative research
- Data collection methods

Data analysis techniques [Week 8]

- Methods for analysing research data
- Software tools for data analysis

STEM MSc Ethical Angles – [Week 9]

Research Proposal Writing [Week 9]

Assessment

Research project proposal Presentation – Week 10 – 30th November 2026

Submission of presentation (PowerPoint): Week 10 – 1st December 2026

Research Proposal Submission - Week 10 – 3rd December 2026