

The Research Methods and Professional Practice module aims and objectives for students:

- ✓ Acquire the ability to study and reflect on key principles and methods in research based on the scientific method and relevant to various disciplines.
- ✓ Acquire the ability to examine various research strategies and designs as applicable to projects at hand.
- ✓ Acquire the ability to develop research competencies, in particular those relating to the collection and analysis of data types to enable a critical design and evaluation of independent research.
- ✓ Have the opportunity to take a reflective and independent approach to the learning process.
- ✓ Appraise the professional, legal, social, cultural and ethical issues that affect computing professionals.
- ✓ Appraise the principles of academic investigation, applying them to a research topic in the applicable computing field.
- ✓ Evaluate critically existing literature, research design and methodology for the chosen topic, including data analysis processes.
- ✓ Produce and evaluate critically a research proposal for the chosen topic.