RTS5024 EVIDENCE BASED PRACTICE IN MEDICAL RADIATIONS

Leader: Dr Karen Siu
Credit points: 3
Prerequisites: NMS5020, RTS5022
Co-requisites: NMS5025

Synopsis:
This unit introduces students to the principles and practice of scientific research. A range of research methodologies will be explored together with the collection, analysis and interpretation of data, methods of communication and subsequent critique of the findings. This unit will also facilitate practical experience of the research process through the completion of an extensive literature research project related to the discipline of nuclear medicine.

Objectives:
On successful completion of this unit students will be able to demonstrate and communicate a broad and critical concept of:

1. The role of research in the profession of nuclear medicine;
2. The scope of research conducted in nuclear medicine;
3. Different methods of knowledge acquisition and synthesis and be aware of the moral, ethical and legal responsibilities of scientific investigation;
4. Basic research concepts and methodology and the different approaches in research in both qualitative and quantitative experimental design;
5. The process of research through participation, under supervision, in a research project.

Students will have a practical knowledge and understanding of the process of gaining ethics approval for a research project.

Assessment:
Assignment of 1500 words 20% + Project report: 80%