

513-887 Introduction to Research Methods

Credit Points 12.5

Semester 1

Prerequisites / Corequisites Nil

Coordinator Dr Rana Hinman

Mode of Delivery Teaching Methods will include lectures and tutorials

Contact 18 hours of lectures and tutorials

Non Contact Requirement Approximately 36 hours of self directed learning is suggested.

Description This subject will provide students with the principles of evidence based physiotherapy. Detailed information about literature searching and critically evaluating research literature will be provided. Basic concepts of research methodology and statistical analysis will be introduced including measurement reliability and validity.

Assessment Two written assignments (1500 words 40%) and (2000 words 50%); class participation 10%.

Prescribed Texts Nil

Subject Objectives The aim of this subject is to provide students with an understanding of the principles of evidence based physiotherapy practice, the aims and methods of quantitative research and an ability to undertake critical analysis of physiotherapy research literature and an understanding of the concepts of measurement reliability and validity as applied to physiotherapy practice.

Generic Skills:

On completion of this subject students will be expected to be able to demonstrate the following generic skills:

- skills in written scientific communication
- skills in oral communication and contribution to class discussion
- a capacity to undertake searching of computerised medical literature databases

Specific Skills:

On completion of this subject students will be expected to have developed the following specific skills:

- an understanding of the principles of evidence based physiotherapy practice
- an understanding of the aims and methods of quantitative research
- an ability to undertake critical analysis of physiotherapy research literature
- an understanding of the concepts of measurement reliability and validity as applied to physiotherapy practice