

# 513-496 Movement Science: Research Project

**Credit Points** 75

**Semester** Full Year

**Prerequisites** Bachelor of Science (BSc) normally with an H2B average in relevant 300-level subjects or equivalent qualification recognised by the Faculty of Science, University of Melbourne.

**Coordinator** Associate Professor Kim Bennell

**Mode of Delivery** On Campus

**Total Time Commitment** Students will be expected to dedicate a minimum of 35 hours per week total time commitment. This includes a number of hours of self directed learning.

**Description** A research project will be conducted under the supervision of research staff at the School of Physiotherapy. Students will undertake structured and independent learning appropriate to the project and will learn written and oral methods of research dissemination.

**Assessment** One 30 minute oral presentation (20%) due mid semester 2, one 10,000 word thesis (70%) due at the end of semester 2 and supervisor's assessment of performance (10%).

**Prescribed Texts** Nil

## Subject Objectives

On completion of this subject, students will have had the opportunity to develop:

- Skills in project design, ethical considerations, processes and measurements systems used in biomedical and scientific research.
- Enhanced problem solving skills by undertaking methodological approaches to research.
- Ability to undertake data collection and critical analysis, including statistical assessment of experimental data.
- Ability to effectively communicate research results in both written and oral form.

## Generic Skills:

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

- A capacity for self-directed learning and the motivation for life-long independent learning.
- Problem-solving abilities with flexibility of approach.
- A capacity for effective oral and written communication.
- A capacity to manage competing demands on time.
- An appreciation of the team approach to learning in complex areas.
- An understanding of professional responsibility and ethical principles in relation to individuals and community, both locally and internationally.

## Specific Skills:

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

- An ability to collect research data and to analyse and interpret the results.
- The ability to extend from supervised to independent learning in movement science within a research environment.
- The capacity to disseminate and present the results of research and scholarship by oral and written communication.