BINF40002 Health Informatics Research Project 1

Credit Points:	25
Level:	4 (Undergraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.
Time Commitment:	Contact Hours: This subject is an individual research project and weekly contact hours will vary depending on the nature of the project. Total Time Commitment: Students should discuss total time commitment with their supervisor but, as a guide, they are expected to commit 340 hours to the research project.
Prerequisites:	
Corequisites:	
Recommended Background Knowledge:	Health Informatics 300 level and related biomedical or IT disciplines.
Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability
Coordinator:	Dr Guillermo Lopez Campos
Contact:	**Subject Coordinator:** Dr Guillermo Lopez Campos**guillermo.lopez@unimelb.edu.au (mailto:guillermo.lopez@unimelb.edu.au)** **Administrative Coordinator:** Ms Claudia Sandoval**sandoval@unimelb.edu.au (mailto:sandoval@unimelb.edu.au)**
Subject Overview:	Students undergo supervised research training in specific individual projects among a variety of topics in health and biomedical informatics covering e-health, biomedical informatics for precision medicine, health informatics for participatory health or Translational research Informatics. Students will learn how to design and conduct research in biomedical informatics areas, acquiring the skills for experimental design, technical expertise, critical thinking and analysis. They will also learn how to present and communicate their scientific results in oral presentations and written reports (thesis style).
Learning Outcomes:	On completion of this subject students should: • Gain technical skills in health informatics for experimental design and analyses. • Be able to analyse and apply critical thinking in the evaluation of scientific papers.

Prerequisites:

Subject	Study Period Commencement:	Credit Points:
BIOM40001 Introduction To Biomedical Research	February	12.50

Corequisites:

Subject	Study Period Commencement:	Credit Points:
BINF40001 Trends in Health Informatics	Semester 1	12.50

	• Demonstrate effective communication in science through oral presentations.
Assessment:	20 minutes oral research presentation (to be recorded) scheduled mid semester (30%) Research Report, including a literature review (6000 words), submitted by the end of semester (60%) Committee assessment of student participation in research scheduled by the end of semester (10%)
Prescribed Texts:	None
Recommended Texts:	None
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	On completion students should have acquired the following generic skills: # Ability to read and understand scientific literature # Oral communication and presentation of scientific results # Ability to conduct research # Ability to analyse scientific data # Time management skills # Ability to write scientific reports
Related Majors/Minors/ Specialisations:	Health Informatics