BINF90006 Bioinformatics Research Project-25pts

Credit Points:	25
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: Regular meetings with supervisor, one hour weekly or fortnightly. Distribution of time between specific tasks will be decided in negotiation with the supervisor, but an overall weekly commitment of 10 hours per week (per 12.5 point loading) is expected Total Time Commitment: Not available
Prerequisites:	None.
Corequisites:	None.
Recommended Background Knowledge:	None.
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 Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website : http://www.services.unimelb.edu.au/disability/
Contact:	Dr Andrew Lonie Email: **alonie@unimelb.edu.au (mailto:alonie@unimelb.edu.au)**
Subject Overview:	This subject involves the development and application of the tools of bioinformatics to address a significant research problem. The subject also provides students with skills and knowledge for understanding original research and enhanced written and oral communication skills. The process of matching students with supervisors and research projects will occur in the first semester of enrolment of the Bioinformatics stream of the Master of Science. Apart from the help and guidance from their supervisor(s) each student also has a committee that regularly meets with them and provides additional help and expertise. This committee is responsible for assessment of the research project subject. Students need to ensure they have completed a total of 50points Research Project by the end of their course.
Objectives:	After completing this subject, students will have skills in the: # Critical appraisal of scientific literature # Planning of research # Development and application of bioinformatics tools in the analysis of scientific data # Writing research proposals, reports and a thesis
Assessment:	The assessment requirements below are applicable to the entire 50 point Research Project.One 5000 word research proposal incorporating a literature review due in the first semester of this subject (15%)A 20 minute oral presentation on the proposed research in the first semester of this subject (5%)A 3000 word progress report on the research project in the second semester of this subject (10%)A final 20 minute oral presentation at the end of the third semester of this subject (10%)One 15,000 word written thesis due at the end of the third semester of this subject (60%)
Prescribed 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:	At the completion of this subject, students will gain skills in: # articulating the breadth of knowledge gained in a particular discipline; # critically evaluating the data and interpretation of data presented in scientific papers; # developing the ability to exercise critical judgement; # expressing persuasive intellectual arguments # rigorous and independent thinking; # managing time and competing deadlines; # writing research reports; # giving oral presentations