POPH90214 Epidemiology Research Project

Credit Points:	12.50
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 Total Time Commitment: 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.
Prerequisites:	Students must have passed or be concurrently enrolled in core discipline subjects
Corequisites:	None
Recommended Background Knowledge:	For students enrolled in the Master of Science - Epidemiology
Non Allowed Subjects:	-
Core Participation Requirements:	-
Coordinator:	Prof Dallas English
Contact:	Centre for Molecular, Environmental, Genetic and Analytic (MEGA) Epidemiology Tel: +61 3 8344 0671 Email: epi-info@unimelb.edu.au Melbourne Graduate School of Science Faculty of Science Tel: + 61 3 8344 6404 OR Academic Programs Office Melbourne School of Population Health Tel: +61 3 8344 9339 Fax: +61 3 8344 0824 Email: sph-gradinfo@unimelb.edu.au
Subject Overview:	This subject provides students with the opportunity to design and conduct independent research under supervision. Specific research projects will depend upon the availability of appropriate expertise, but may address a broad range of epidemiological issues. Students will be required to design an epidemiological study to answer a specific research question and develop a research proposal for its conduct; and to analyse an existing epidemiological dataset or undertake a substantial meta-analysis of existing studies. Students will give two oral presentations, one on the research proposal and the other on the data analysis component. Students will also develop skills in writing scientific reports and giving oral presentations. Students enrolled in the Master of Science (Epidemiology program) are required to complete a 50 point Research Project. Students will need to discuss and receive approval for their proposed combination of Research Project subjects (as indicated below) with the course coordinator to ensure they will have completed a total of 50 points by the end of their course.
Objectives:	After completing this subject, students will have skills in: # Critical appraisal of the epidemiological literature # Designing epidemiological studies # Preparing research proposals and protocols # Analysing and interpreting data from epidemiological studies

	# Writing scientific reports and manuscripts
Assessment:	The assessment requirements below are applicable to the entire 50 point Research Project.A 20 minute oral presentation (10%) due early in the second semester of this subjectA grant proposal and research protocol of 5000 words plus study documents (forms, questionnaires), (40%, hurdle) due early in the second semester of this subjectA final 20 minute oral presentation (10%) due towards the end of the second semester of this subjectA written report suitable for publication of 5000 words plus tables and figures describing an analysis of existing data or of a meta-analysis of existing studies (40%, hurdle) due towards the end of the second semester of this subject
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 appraising draft documents; # developing the ability to exercise critical judgement; # expressing persuasive intellectual arguments; # writing research reports and scientific papers; # giving oral presentations; # rigorous and independent thinking; and # managing time and competing deadlines
Related Course(s):	Master of Science (Epidemiology)