POPH90147 Epidemiology in Practice

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: August, Parkville - Taught on campus. Block
Time Commitment:	Contact Hours: 30 hours: 5 contact days over semester weeks 5 to 9. Total Time Commitment: 120 hours. Students will be expected to undertake additional study averaging 90 hours in total through to end of assessment
Prerequisites:	

Subject	Study Period Commencement:	Credit Points:
POPH90142 Epidemiology & Analytic Methods 1	Not offered 2012	12.50
POPH90143 Epidemiology & Analytic Methods 2	Not offered 2012	12.50

OR

Subject	Study Period Commencement:	Credit Points:
POPH90014 Epidemiology	Semester 1	12.50
POPH90013 Biostatistics	Semester 1	12.50

AND

Subject	Study Period Commencement:	Credit Points:
POPH90146 Study Design in Epidemiology	March	12.50
POPH90144 Linear & Logistic Regression	July	12.50

Corequisites:	-
Recommended Background Knowledge:	Students are expected to be familiar with Stata
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.
Coordinator:	Prof Shyamali Dharmage
Contact:	Centre for Molecular, Environmental, Genetic and Analytic (MEGA) Epidemiology Melbourne School of Population Health Tel: +61 3 8344 0737 Email: s.dharmage@unimelb.edu.au 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 will build on the principles and methods covered in Epidemiology, Biostatistics and Study Design in Epidemiology, focussing on the application of epidemiological methods in a range of clinical and population-based settings. Subject content includes methods in establishing accurate and reliable measures both in clinical and public health practice as well as in research, developing and running epidemiological studies, synthesising the available evidence through systematic reviews and meta analysis. Analytical methods are taught in applied epidemiologic contexts using the Stata statistical software package.
Objectives:	On completion of this subject, students are expected to be able to: # Appraise the relevant study designs and interpret estimates that can be used to establish the usefulness of different measures # Critically appraise research evaluating accuracy of measurements used in both practice and research # Critically appraise and conduct systematic reviews and meta-analysis # Write research protocols and research manuscripts.
Assessment:	An assignment of 1000 words due on the 3rd contact day (20%); a 10 minute group oral presentation (2-3 students) on the 4th contact day (10%); a 20 minute group oral presentation (5-6 students) on 5th contact day (10%); an assignment of 3000 words due 3 to 4 weeks after the intensive delivery period 60%
Prescribed Texts:	None
Recommended Texts:	None **Special computer skills required**: Students are expected to have experience using the Stata statistical package for multivariate statistical methods.
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:	Upon completion of this subject, students will have developed skills in: • Oral communication • Critical thinking and analysis • Initiative, autonomy and organization • Using computers • Finding, evaluating and using relevant information • Working with others and in teams
Links to further information:	http://www.sph.unimelb.edu.au
Related Course(s):	Master of Epidemiology Master of Health Social Sciences Master of Public Health Master of Science (Epidemiology)
Related Majors/Minors/ Specialisations:	Epidemiology and Biostatistics Global Health Public Health