

505-102 Epidemiology

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	Classroom
Time Commitment:	Contact Hours: One 1-hour lecture and one 1-hour tutorial per week (runs concurrently with 505-101) Total Time Commitment: Students will be expected to undertake additional study (i.e. outside the stated contact hours) of at least 4 to 5 hours for each hour of contact in this subject
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	<p><p>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.</p> <p><p>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</p></p> </p>
Contact:	<p>Professor Flavia Cicuttini, Department of Epidemiology and Preventive Medicine, Monash University</p> <p>OR</p> <p>School of Population Health, University of Melbourne</p>
Subject Overview:	The aim of this unit is to provide students with basic quantitative skills necessary for the practice of general public health and to enable students to critically evaluate the published epidemiological literature. The unit provides an introduction to descriptive and analytical epidemiology, case-control studies, cohort studies, clinical trials, risk and causation, bias, confounding, health program evaluation and measurement theory.
Objectives:	<p>At the completion of this unit, students should be able:</p> <ul style="list-style-type: none"> • to explain the methods and applications of descriptive and analytical epidemiology; • to explain the strengths and weaknesses of different epidemiological study designs; • to solve problems relating to the principal epidemiological concepts; • to critically appraise epidemiological papers, and; • to explain the uses of epidemiology in the practice of public health.
Assessment:	One short answer written test held mid semester (35%) One short answer written test held at the end of semester (40%). One short answer assignment during the semester (25%)
Prescribed Texts:	None
Recommended Texts:	<p>Beaglehole R, Bonita R and Kjellström T. <i>Basic Epidemiology</i>, World Health Organization: Geneva.</p> <p>Hennekens, C H and Buring J E. <i>Epidemiology in Medicine</i>, Little Brown Co; Boston.</p> <p>Jekel, J.F., Elmore, J.G., Katz, D.L. (2007) <i>Epidemiology, biostatistics and preventive medicine</i>. W.B. Saunders Company.</p>
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
Links to further information:	http://www.sph.unimelb.edu.au
Notes:	This subject is a Master of Public Health Consortium subject.
Related Course(s):	Master of Public Health