

POPH90016 Epidemiology

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught online/distance. Semester 2, Parkville - Taught online/distance. This subject is only available to students who are currently enrolled in the Graduate Diploma or Master of Biostatistics and whose enrolment in that course commenced prior to 2016.
Time Commitment:	Contact Hours: None Total Time Commitment: 170 hours
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.
Coordinator:	Prof John Carlin
Contact:	john.carlin@unimelb.edu.au (mailto:john.carlin@unimelb.edu.au) Melbourne School of Population and Global Health OR Currently enrolled students: # General information: https://ask.unimelb.edu.au (https://ask.unimelb.edu.au) # Email: enquiries-STEM@unimelb.edu.au (mailto:enquiries-STEM@unimelb.edu.au) Future Students: # Further Information: http://mspgh.unimelb.edu.au/ (http://mspgh.unimelb.edu.au/) # Email: Online Form (http://mspgh.unimelb.edu.au/study/degrees/master-of-public-health/overview)
Subject Overview:	Topics include: historical developments in epidemiology; sources of data on mortality and morbidity; disease rates and standardisation; prevalence and incidence; life expectancy; linking exposure and disease (e.g. relative risk, attributable risk); main types of study designs – case series, ecological studies, cross-sectional surveys, case-control studies, cohort or follow-up studies, randomised controlled trials; sources of error (chance, bias, confounding); association and causality; evaluating published papers; epidemics and epidemic investigation; surveillance; prevention; screening.
Learning Outcomes:	On completion of this subject students should be familiar with the major concepts and tools of epidemiology, the study of health in populations, and should be able to judge the quality of evidence in health-related research literature

Assessment:	One written assignment (approx 6 hours of work) due in Week 4 of semester (20%) One written assignment (approx 12 hours of work) due in Week 8 of semester (40%) One written assignment (approx 12 hours work) due at the end of semester (40%)
Prescribed Texts:	Resources Provided to Students: Printed course notes and assignment material by mail, email, and online interaction facilities.
Recommended Texts:	Webb P, Bain C. <i>Essential Epidemiology</i> , 2nd ed, Cambridge University Press, 2011. Student will also be provided with On-line course materials, tutorial support, assignment completion, and interaction facilities.
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:	Independent problem solving, critical appraisal of research literature, clarity of written expression
Links to further information:	http://www.mspgh.unimelb.edu.au
Notes:	This subject is not available in the Master of Public Health.
Related Course(s):	Graduate Certificate in Biostatistics Postgraduate Diploma in Biostatistics