

POPH90013 Statistics

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: March, Parkville - Taught on campus. Classroom
Time Commitment:	Contact Hours: One 1-hour lecture and one 1-hour tutorial per week 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:	-
Coordinator:	Dr Katrina Scurrah
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Subject Overview:	This unit aims to introduce students to basic statistical concepts and methods.
Objectives:	At the completion of the unit, students should be able to: <ul style="list-style-type: none"> # distinguish basic data types (binary, categorical, continuous) and summarise them appropriately using tables and graphs; # understand the concept of sampling variability and describe how simple statistical analyses of data from a sample can be used to draw inferences about population parameters; # calculate standard errors and confidence intervals for estimated means and proportions; # obtain p-values from tables and understand their role as measure of evidence; # distinguish between clinical relevance and statistical significance; and # appreciate the importance of statistical power and perform a sample size calculation.
Assessment:	A multichoice and short answer 1 hour examination mid semester (25%), and a 2 hour short answer assignment (25%) and a final open book 2 hour examination at the end of semester (50%).
Prescribed Texts:	BR Kirkwood & JAC Sterne, Essential Medical Statistics Second Edition, Blackwell Science, 2003.
Recommended 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:	-
Links to further information:	http://www.sph.unimelb.edu.au
Notes:	This subject is a Master of Public Health Consortium subject.
Related Majors/Minors/Specialisations:	Health Economics/Economic Evaluation Health Program Evaluation International Health Primary Care Sexual Health Social Health Women's Health