

# Epidemiology and Biostatistics

<b>Year and Campus:</b>	2012																					
<b>Coordinator:</b>	Professor Dallas English																					
<b>Contact:</b>	<p>Centre for Molecular, Environmental, Genetic and Analytic (MEGA) Epidemiology Melbourne School of Population Health Tel: +61 3 8344 0671 Email: epi-info@unimelb.edu.au</p> <p>OR</p> <p>Academic Programs Office Melbourne School of Population Health Tel: +61 3 8344 9339 Fax: +61 3 8344 0824 Email: sph-gradinfo@unimelb.edu.au</p>																					
<b>Overview:</b>	<p>After completing this specialisation, students will be able to design epidemiological studies and appraise epidemiological literature. Students will also develop a broad understanding and sound practical skills in biostatistics that will enable them to analyse and appropriately interpret epidemiological data.</p> <p>Depending on which electives are taken, students will develop skills in reporting the results of epidemiological studies, performing systematic reviews of epidemiological literature, including meta-analysis, and in specialised areas such as genetic epidemiology and the epidemiology of infectious diseases.</p>																					
<b>Objectives:</b>	-																					
<b>Structure &amp; Available Subjects:</b>	<p>Standard 200 Point Program (no Advanced Standing): SIX core subjects and TEN elective subjects (Full Coursework program) OR SIX core subjects, EIGHT elective subjects and either a Research Project or Professional Practice unit</p> <p>Students granted 25 Credit Points Advanced Standing: SIX core subjects and EIGHT elective subjects OR SIX core subjects, SIX elective subjects and either a Research Project or Professional Practice unit</p> <p>Students granted 50 Credit Points Advanced Standing: FIVE core subjects and SEVEN elective subjects OR FIVE core subjects and FIVE elective subjects and either a Research Project or Professional Practice unit</p>																					
<b>Subject Options:</b>	<p><b>Core Subjects</b></p> <p>Student must complete POPH90217 unless they have been granted 50 points Advanced Standing (150 point program) or an exemption has been granted.</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>POPH90013 Biostatistics</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>POPH90014 Epidemiology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>POPH90217 Foundations of Public Health</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>POPH90227 Public Health in Practice</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>POPH90231 Surveys and Qualitative Methods</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>POPH90218 Public Health Leadership and Management</td> <td>July</td> <td>12.50</td> </tr> </tbody> </table> <p><b>Highly Recommended Electives</b></p>	Subject	Study Period Commencement:	Credit Points:	POPH90013 Biostatistics	Semester 1	12.50	POPH90014 Epidemiology	Semester 1	12.50	POPH90217 Foundations of Public Health	Semester 1	12.50	POPH90227 Public Health in Practice	Semester 1	12.50	POPH90231 Surveys and Qualitative Methods	Semester 2	12.50	POPH90218 Public Health Leadership and Management	July	12.50
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POPH90218 Public Health Leadership and Management	July	12.50																				

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

### Other Recommended Electives

Subject	Study Period Commencement:	Credit Points:
POPH90112 Infectious Disease Epidemiology	Semester 1	12.50
POPH90111 Genetic Epidemiology	Semester 2	12.50
POPH90147 Epidemiology in Practice	August	12.50
POPH90145 Survival Analysis & Regression for Rates	September	12.50

### Pre-requisite Subjects for the Research Project Option

Subject	Study Period Commencement:	Credit Points:
POPH90014 Epidemiology	Semester 1	12.50
POPH90013 Biostatistics	Semester 1	12.50
POPH90144 Linear & Logistic Regression	July	12.50
POPH90146 Study Design in Epidemiology	March	12.50

### Research Project

Students may apply to enrol in a Research Project in Epidemiology and Biostatistics.

Those students who do undertake (or are currently enrolled in) the Research Project please note the following important information:

- # Students who have already completed one semester of their Research Project will be completing their project over two semester's (12.5 points per semester) so please enroll in the remaining semester.
- # Students who have not commenced their Research Project have the option of applying to enrol in a year-long research project or a semester-long research project.

Subject	Study Period Commencement:	Credit Points:
POPH90110 Research Project: Epidemiology/Biostat	Semester 1, Semester 2	12.50
POPH90219 Research Project: Epidemiology/Biostat	July, Semester 1	25

Related Course(s):

Master of Public Health