

# Epidemiology and Biostatistics

<b>Year and Campus:</b>	2014															
<b>Coordinator:</b>	Professor Dallas English															
<b>Contact:</b>	<p><a href="mailto:d.english@unimelb.edu.au">d.english@unimelb.edu.au</a> (<a href="mailto:d.english@unimelb.edu.au">mailto:d.english@unimelb.edu.au</a>)</p> <p>OR</p> <p>Academic Programs Office Melbourne School of Population Health Tel: +61 3 8344 9339 Fax: +61 3 8344 0824 Email: <a href="mailto:sph-gradinfo@unimelb.edu.au">sph-gradinfo@unimelb.edu.au</a> (<a href="mailto:sph-gradinfo@unimelb.edu.au">mailto:sph-gradinfo@unimelb.edu.au</a>)</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>Learning Outcomes:</b>	-															
<b>Structure &amp; Available Subjects:</b>	<p><b>Standard 200 Point Program (no Advanced Standing):</b></p> <p>FIVE core subjects and TEN elective subjects and the Capstone Selective POPH90227 Public Health in Practice <b>OR</b></p> <p>FIVE core subjects, NINE elective subjects and either a Research Project or Professional Practice unit</p> <p><b>Students granted 25 Credit Points Advanced Standing:</b></p> <p>FIVE core subjects and EIGHT elective subjects and the Capstone Selective POPH90227 Public Health in Practice <b>OR</b></p> <p>FIVE core subjects, SEVEN elective subjects and either a Research Project or Professional Practice unit</p> <p><b>Students granted 50 Credit Points Advanced Standing:</b></p> <p>FOUR core subjects and SEVEN elective subjects and the Capstone Selective POPH90227 Public Health in Practice <b>OR</b></p> <p>FOUR core subjects and EIGHT elective subjects and either a Research Project or Professional Practice unit</p>															
<b>Subject Options:</b>	<p><b>Core Subjects</b></p> <p>Students granted 50 Points Advanced Standing (150 point program) are exempt from Foundations of Public Health. All other students must complete Foundations of Public Health unless an exemption examination is successfully completed. Students granted exemption must complete one extra elective subject in lieu of Foundations of Public Health. To apply to sit for an exemption examination please contact the Subject Coordinator for Foundations of Public Health.</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>POPH90217 Foundations of Public Health</td> <td>February</td> <td>12.50</td> </tr> <tr> <td>POPH90013 Biostatistics</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>POPH90014 Introduction to Epidemiology</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> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	POPH90217 Foundations of Public Health	February	12.50	POPH90013 Biostatistics	Semester 1	12.50	POPH90014 Introduction to Epidemiology	Semester 1	12.50	POPH90231 Surveys and Qualitative Methods	Semester 2	12.50
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POPH90231 Surveys and Qualitative Methods	Semester 2	12.50														

POPH90218 Public Health Leadership and Management	August	12.50
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### Highly Recommended Electives

Subject	Study Period Commencement:	Credit Points:
POPH90144 Linear & Logistic Regression	July	12.50
POPH90243 Clinical Epidemiology	April	12.50

### Other Recommended Electives

Subject	Study Period Commencement:	Credit Points:
POPH90112 Infectious Disease Epidemiology	Semester 1	12.50
POPH90242 Observational Epidemiology	July	12.50
POPH90111 Genetic Epidemiology	Semester 2	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 Introduction to Epidemiology	Semester 1	12.50
POPH90013 Biostatistics	Semester 1	12.50
POPH90144 Linear & Logistic Regression	July	12.50

### AND one of the following subjects:

Subject	Study Period Commencement:	Credit Points:
POPH90243 Clinical Epidemiology	April	12.50
POPH90242 Observational Epidemiology	July	12.50
POPH90146 Study Design in Epidemiology	Not offered 2014	12.50

### Research Project

Students may apply to enrol in a Research Project in Epidemiology and Biostatistics. Students entering the Master of Public Health from 2011 must have a weighted average mark of at least 70% for all relevant subjects to be eligible to enrol in the research project. Successful research project applicants will be selected on the basis of academic merit.

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	Semester 1, Semester 2	25

Related Course(s):

Master of Public Health