

# Epidemiology and Biostatistics

<b>Year and Campus:</b>	2016																							
<b>Coordinator:</b>	Professor Dallas English																							
<b>Contact:</b>	<a href="mailto:d.english@unimelb.edu.au">d.english@unimelb.edu.au</a> (mailto:d.english@unimelb.edu.au)																							
<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>            FIVE core subjects and TEN elective subjects and the Capstone Selective POPH90227 Public Health in Practice <b>OR</b>            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>            FIVE core subjects and EIGHT elective subjects and the Capstone Selective POPH90227 Public Health in Practice <b>OR</b>            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>            FOUR core subjects and SEVEN elective subjects and the Capstone Selective POPH90227 Public Health in Practice <b>OR</b>            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 Epidemiology 1</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>POPH90231 Qualitative Research in Public Health</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> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	POPH90217 Foundations of Public Health	February	12.50	POPH90013 Biostatistics	Semester 1	12.50	POPH90014 Epidemiology 1	Semester 1	12.50	POPH90231 Qualitative Research in Public Health	Semester 2	12.50	POPH90218 Public Health Leadership and Management	July	12.50	Subject	Study Period Commencement:	Credit Points:
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Subject	Study Period Commencement:	Credit Points:																						

POPH90144 Linear & Logistic Regression	July	12.50
POPH90242 Epidemiology 2	August	12.5

### Other Recommended Electives

Subject	Study Period Commencement:	Credit Points:
POPH90112 Infectious Disease Epidemiology	Semester 1	12.50
POPH90243 Epidemiology 3	March	12.5
POPH90111 Genetic Epidemiology	Semester 2	12.50
POPH90145 Survival Analysis & Regression for Rates	September	12.50
POPH90271 Infectious Diseases Modelling	Semester 2	12.5

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

Subject	Study Period Commencement:	Credit Points:
POPH90014 Epidemiology 1	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 Epidemiology 3	March	12.5
POPH90242 Epidemiology 2	September	12.50

### Capstone

There are three Capstone options to choose from - please refer to the Course Entry for detailed information on each of these:

- 1 Research Project
- 2 Professional Practice Unit
- 3 Capstone selective subject (POPH90227 Public health in Practice) and an additional elective.

**Related Course(s):**

Master of Public Health