

PUBH 6005 APPLIED EPIDEMIOLOGY PROJECT

Credit Points 40

Coordinator Kate McBride ([https://directory.westernsydney.edu.au/search/name/Kate McBride/](https://directory.westernsydney.edu.au/search/name/Kate%20McBride/))

Description This subject is a capstone subject for high-achieving students (GPA >5.5) enrolled in the Master of Epidemiology. Students will get the opportunity to apply the epidemiological skills learnt during their postgraduate study as a supervised intern within a professional health, research or non-governmental organisation setting. The placement will consist of a minimum of 300 hours work (approximately 10 weeks full time work or equivalent part time). The placement will allow students to undertake a project which will make a useful contribution to the workplace and will be assessed via a final report and presentation as well as your professional placement supervisor's report. Professional settings are usually located external to the University. Examples include Western Sydney Local Health District, South Western Local Health District, Nepean Blue Mountain's Primary Health Network, Wentwest (Western Sydney) Primary Health Network.

School Medicine

Discipline Epidemiology

Student Contribution Band HECS Band 2 40cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Postgraduate Coursework Level 6 subject

Restrictions

Must have a GPA >5.5.

Assumed Knowledge

Foundational understanding of epidemiology to be able to apply this knowledge in a professional setting.

Learning Outcomes

1. Plan activities to support professional workplace epidemiological activities
2. Apply principles of co-design to epidemiological research
3. Design and conduct a research-based project addressing a contemporary real-world epidemiological issue
4. Employ initiative and ethical responsibility in the execution of a work-based project
5. Carry out statistical analyses, information security standards, data and relevant statistical software to inform strategies for prevention and control
6. Present research project findings and outcomes to specialist and non-specialist audiences in clinical and epidemiological practice and health research
7. Reflect on personal and professional needs to define direction for improvement in the field of epidemiology, especially when working in teams

Subject Content

1. Epidemiological project design and ethical considerations
2. Data collection, safe storage of data, and measurement
3. Data analysis
4. Report writing

5. Composing an epidemiological research report
6. Preparing a research presentation

Special Requirements

Legislative pre-requisites

Students will need to comply with NSW Health requirements if they intend to complete their internship at a hospital, or any other government or organisation requirements.

Essential equipment

Technical equipment such as an iPad or laptop.

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Proposal	800 words	20	N	Individual	Y
Presentation	15 minutes	30	N	Individual	N
Professional Placement Performance	800 words	S/U	Y	Individual	N
Report	2,500 words	50	N	Individual	N

Prescribed Texts

Applied Epidemiology: Theory to Practice. Edited by Brownson, R.C. and Petitti, D.B. By: Ross C. Brownson (Editor), Diana B. Petitti (Editor). 20026 Oxford University Press.

Teaching Periods

Spring (2025)

Parramatta - Victoria Rd

Hybrid

Subject Contact Kate McBride ([https://directory.westernsydney.edu.au/search/name/Kate McBride/](https://directory.westernsydney.edu.au/search/name/Kate%20McBride/))

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=PUBH6005_25-SPR_PS_3#subjects)