

# GRADUATE DIPLOMA IN EPIDEMIOLOGY (4739)

**Approved Abbreviation:** GradDipEpidemiology  
**Western Sydney University Program Code:** 4739

**CRICOS Code:** 088190F

## Handbook Summary 2020 - 2022

The Graduate Diploma in Epidemiology is a one year program designed for both clinicians (medical, nursing and allied health) and practitioners from health-related fields (public health, environmental health, communicable disease control) seeking to improve their knowledge of key areas of health-related research. It provides an understanding of epidemiological concepts and methods and their application in clinical, public health and health policy settings. Its core subjects include introductory and advanced subjects in epidemiology and biostatistics, while a range of specialist electives can be undertaken including disease surveillance, research protocol design and statistical modelling.

## Handbook Summary 2023

The Graduate Diploma in Epidemiology is a one year Program designed for both clinicians (medical, nursing and allied health) and practitioners from health-related fields (public health, environmental health, communicable disease control, global health, data science) seeking to improve their knowledge of key areas of health-related research. It provides an understanding of epidemiological concepts and methods and their application in clinical, population health and health policy settings. Its core Subjects include introductory and advanced subjects in epidemiology and biostatistics, while a range of specialist electives can be undertaken including disease surveillance, population health research, big data for research protocol design and statistical modelling, climate change, and international development.

## Early Exit

Students may exit this program on completion of 40 credit points with a 4740 Graduate Certificate in Epidemiology (<https://hbook.westernsydney.edu.au/programs/graduate-certificate-epidemiology/>)

## Study Mode

One year full-time or two years part-time.

## Program Advice

Dr Kate McBride (<https://directory.westernsydney.edu.au/search/email/medicine@westernsydney.edu.au>)

Prospective students should visit the following websites for general enquiries about this program.

Enquire about this program (<https://enquiry.westernsydney.edu.au/courseenquiry/>) | Local Admission (<https://www.westernsydney.edu.au/future/>) | International Admission (<https://www.westernsydney.edu.au/international/home/apply/admissions/>) |

## Location

Campus	Attendance	Mode	Advice
Online	Full Time	Online	See above
Online	Part Time	Online	See above
Parramatta Campus - Victoria Road	Full Time	Internal	See above

Parramatta Campus - Victoria Road	Part Time	Internal	See above
-----------------------------------	-----------	----------	-----------

## Inherent Requirements

There are inherent requirements for this program that you must meet in order to complete your program and graduate. Make sure you read and understand the requirements for this program online.

Inherent requirements ([https://www.westernsydney.edu.au/ir/inherent\\_requirements/inherent\\_requirements\\_for\\_epidemiology/](https://www.westernsydney.edu.au/ir/inherent_requirements/inherent_requirements_for_epidemiology/))

## Admission Current

Applicants must have successfully completed

- a Bachelors degree, or higher, in any discipline; OR
- An advanced diploma, or equivalent, in a related discipline AND five years full-time equivalent work experience at a managerial or professional level in roles in a health, welfare or aged care discipline

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Statement of Service form ([https://www.westernsydney.edu.au/content/dam/digital/pdf/Statement\\_of\\_Service.PDF](https://www.westernsydney.edu.au/content/dam/digital/pdf/Statement_of_Service.PDF))

Applications from Australian and New Zealand citizens and holders of permanent resident visas may be made via the Universities Admissions Centre (UAC) or directly through the Western Portal. Use the links below to apply via UAC or Western Sydney University. Applications made directly to Western Sydney do not have an application fee.

<http://www.uac.edu.au/>  
<https://westernsydney.uac.edu.au/ws/>

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to the University should also use the information provided on the UAC website.

<http://www.uac.edu.au/>

All other International applicants must apply directly to the University via the International Office.

International students applying to the University through the International Office can find details of minimum English proficiency requirements and acceptable proof on their website.

International Office (<http://www.westernsydney.edu.au/international/>)

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and Western Sydney University.

## Admission 2020 - 2022

Applicants must have an undergraduate degree or higher, in any discipline.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Statement of Service form ([https://www.westernsydney.edu.au/content/dam/digital/pdf/Statement\\_of\\_Service.PDF](https://www.westernsydney.edu.au/content/dam/digital/pdf/Statement_of_Service.PDF))

Applications from Australian and New Zealand citizens and holders of permanent resident visas may be made via the Universities Admissions Centre (UAC) or directly through the Western Portal. Use the links below to apply via UAC or Western Sydney University. Applications made directly to Western Sydney do not have an application fee.

<http://www.uac.edu.au/>  
<https://westernsydney.uac.edu.au/ws/>

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to the University should also use the information provided on the UAC website.

<http://www.uac.edu.au/>

All other International applicants must apply directly to the University via the International Office.

International students applying to the University through the International Office can find details of minimum English proficiency requirements and acceptable proof on their website.

International Office (<http://www.westernsydney.edu.au/international/>)

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and Western Sydney University.

## Recommended Sequence Current

Qualification for this award requires the successful completion of at least 80 credit points, including 50 credit points of core subjects and 30 credit points of any other subjects from the alternate subject pool.

Course	Title	Credit Points
<b>Year 1</b>		
<b>Autumn session</b>		
PUBH 7015	Introduction to Clinical Epidemiology	10
HLTH 7008	Introduction to Biostatistics	10
Choose two alternate subjects		20
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
PUBH 7002	Analytic Approaches in Epidemiology	10
PUBH 7025	Statistical Methods in Epidemiology	10
PUBH 6004	Applied Epidemiology Research Design	10
Choose one alternate subject		10
<b>Credit Points</b>		<b>40</b>
<b>Total Credit Points</b>		<b>80</b>

## Mid-Year Intake Part-Time only

Course	Title	Credit Points
<b>Year 1</b>		
<b>Spring session</b>		
PUBH 7015	Introduction to Clinical Epidemiology	10
HLTH 7008	Introduction to Biostatistics	10
<b>Credit Points</b>		<b>20</b>

## Autumn session

Choose two alternate subjects	20
<b>Credit Points</b>	<b>20</b>

## Year 2

### Spring session

PUBH 7002	Analytic Approaches in Epidemiology	10
PUBH 7025	Statistical Methods in Epidemiology	10

**Credit Points** 20

### Autumn session

PUBH 6004	Applied Epidemiology Research Design	10
-----------	--------------------------------------	----

Choose one alternate subject 10

**Credit Points** 20

**Total Credit Points** 80

## Alternate Subject Pool

Subject	Title	Credit Points
---------	-------	---------------

### APPLIED TOPICS IN EPIDEMIOLOGY

PUBH 5001	Infectious Diseases and Outbreak Response	10
PUBH 6001	Epidemiology of Climate Change	10
PUBH 7010	Epidemiology of Non-Communicable Diseases	10
PUBH 7011	Health Advancement and Health Promotion	10
PUBH 7031	Health Systems and Policy	10
PUBH 7033	The Social Determinants of Health	10

### GLOBAL HEALTH FOCUS

HUMN 7023	Global Health, Migration and Development	10
HUMN 7028	Management and Evaluation of Aid Programs	10
HUMN 7024	Humanitarian and Development Agendas and Progress	10
HUMN 7032	Public Health in Complex Emergencies	10
HUMN 7031	Political Economy of Development	10

### DATA SCIENCE IN POPULATION HEALTH FOCUS

PUBH 7006	Data Management and Programming for Epidemiology	10
MATH 7014	Social Media Intelligence	10
COMP 7003	Big Data	10
COMP 7006	Data Science	10
PUBH 6002	Systems Science and Population Health	10

## Replaced Subjects

The subject listed below count towards completion of this program for students who passed these subjects in 2022 or earlier.

PUBH 7004 Communicable Diseases, replaced by PUBH 5001 Infectious Diseases and Outbreak Response

## Recommended Sequence 2020 - 2022

Qualification for this award requires the successful completion of 80 credit points which include the subjects listed in the recommended sequence below.

Course	Title	Credit Points
<b>Year 1</b>		
<b>Autumn session</b>		
HLTH 7008	Introduction to Biostatistics	10
Select one of the following:		10
PUBH 7015	Introduction to Clinical Epidemiology	
PUBH 7016	Introduction to Epidemiology	

Select two alternate subjects from the pool below	20
<b>Credit Points</b>	<b>40</b>
<b>Spring session</b>	
PUBH 7002 Analytic Approaches in Epidemiology	10
Select three alternate subjects from the pool below	30
<b>Credit Points</b>	<b>40</b>
<b>Total Credit Points</b>	<b>80</b>

**Alternate Subjects**

Subject	Title	Credit Points
HLTH 7001	A Global Perspective on Social Determinants of Health	10
PUBH 7005	Controversies in Epidemiology	10
PUBH 7006	Data Management and Programming for Epidemiology	10
PUBH 7008	Environmental Epidemiology	10
PUBH 7010	Epidemiology of Non-Communicable Diseases	10
PUBH 7012	Health Economics and Comparative Health Systems	10
PUBH 7015	Introduction to Clinical Epidemiology	10
AGEN 7005	Research Protocol Design and Practice	10
PUBH 7025	Statistical Methods in Epidemiology	10