Course Outline (Higher Education)

School:	School of Science, Psychology and Sport
Course Title:	PUBLIC HEALTH AND PREVENTIVE MEDICINE
Course ID:	MONCI1002
Credit Points:	15.00
Prerequisite(s):	Nil
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED:	061309

Description of the Course:

Applications of epidemiological and statistical concepts and methods to typical problems in population health and in the biomedical literature. This will include consideration of fundamental ethical issues pertaining to the conduct of biomedical research and population health interventions. Much emphasis is placed on a population view of health and disease, social determinants of health, epidemiological principles, research study design and statistical analyses of data.

Grade Scheme:	Graded (HD, D, C, P, MF, F, XF)

Work Experience:

No work experience: Student is not undertaking work experience in industry.

Placement Component: No

Program Level:

Level of course in Program	AQF Level of Program					
	5	**6**	**7**	**8**	**9**	**10**
Introductory			✔			
Intermediate						
Advanced						

Learning Outcomes:

Knowledge:

K1. Critically appraise the popular and biomedical literature in public health.

K2. Identify fundamental ethical considerations that underpin health research.

Skills:

S1. Demonstrate and show application of core public health principles including epidemiology, biostatistics and ethics in health research.

S2. Identify and apply the importance of statistical methods in the design, analysis and presentation of the results of research studies in health and biomedicine, and in reports of health-related matters in general.

S3. Interpret statistical results presented and identify limitations in the biomedical literature and other media and convey the interpretation in simple language.

Application of knowledge and skills:

A1. Explain how disease is measured in populations and critically analyse the strengths and weaknesses of different epidemiological study designs which are used in public health research.

Course Content:

Applications of epidemiological and statistical concepts and methods to typical problems in population health and in the biomedical literature. This will include consideration of fundamental ethical issues pertaining to the conduct of biomedical research and population health interventions. Much emphasis is placed on a population view of health and disease, social determinants of health, epidemiological principles, research study design and statistical analyses of data.

Learning Task and Assessment:

Learning Tasks	Assessment Type	Weighting
2 x Online quizzes	Quiz	10
Public health critical review and oral presentation	Presentation	20
Public health data analysis	Data analyis	20
Hurdle task	Written examination	50

Adopted Reference Style:

Australian Harvard

Refer to the library website for more information

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