

Unit Outline (Higher Education)

Institute / School:	Institute of Health and Wellbeing
Unit Title:	Quantitative and Mixed Methods Research in Health
Unit ID:	HEALT7001
Credit Points:	30.00
Prerequisite(s):	Nil
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED:	060301

Description of the Unit:

This unit enables students to explore and discuss the theory and practice of quantitatively based research as well as mixed methods research in the context of the practice based health sciences. Students will develop understanding of the core quantitative methods and techniques commonly used within the practice based health sciences to provide students with a working knowledge of the spectrum of alternative techniques for collecting and analyzing data. Whilst this subject will not provide the depth of understanding required to be a specialist in any particular quantitative technique, students will have a working knowledge of the foundations of descriptive and inferential statistics for application in a mixed methods study. Students will explore the emergence of mixed methods approaches; nature and purpose of mixed methods studies, choosing appropriate mixed methods designs, the synthesis of data in mixed methods research as well as the design of a mixed methods study.

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

Work Experience:

No work experience

Placement Component: No

Supplementary Assessment: Yes

Where supplementary assessment is available a student must have failed overall in the Unit but gained a final mark of 45 per cent or above, has completed all major assessment tasks (including all sub-components where a task has multiple parts) as specified in the Unit Description and is not eligible for any other form of supplementary assessment.

Course Level:

Level of Unit in Course	AQF Level of Course					
	5	6	7	8	9	10
Introductory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intermediate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Advanced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Learning Outcomes:
Knowledge:

- K1.** Appraise the range of quantitative research methods commonly deployed in practice-based health science research
- K2.** Summarize the philosophical foundations and history of the mixed methods research as well as its perceived benefits and challenges
- K3.** Synthesize a mixed-methods research design appropriate to research questions examined by practice-based disciplines in the health-sciences

Skills:

- S1.** Develop critical thinking skills and inquiry strategies for the analysis of quality in mixed methods research informing the health sciences
- S2.** Discriminate amongst the methodologies associated commonly with the mixed methods research paradigms used to investigate questions of significance to health sciences
- S3.** Critically examine ethical issues in mixed methods research and define the particular ethical principles that apply to the application of such an approach within the practice-based health sciences

Application of knowledge and skills:

- A1.** Compose a mixed methods or a quantitative research proposal that demonstrates an advanced level understanding of theoretical consistency between research question, research design and philosophical standpoint for implementation
- A2.** Demonstrate the development of advanced understanding of the theoretical foundations of mixed-methods research and the ability to express them lucidly in writing and orally,
- A3.** Critically appraise the findings, strengths and weaknesses of published mixed methods research in practice based health sciences

Unit Content:

Topics may include: Theoretical foundations of quantitative research Quantitative research approaches for practice-based health science research Principles of descriptive and inferential statistics Purpose of mixed-method research in health sciences Techniques for the synthesis of mixed methods data Developing mixed methods or quantitative research protocols / proposals Communicating and disseminating research outcomes

Learning Task and Assessment:

Learning Outcomes Assessed	Assessment Tasks	Assessment Type	Weighting
K1, K2, K3, S1, S2, S3, A1, A2, A3	Critical appraisal of selected pieces of mixed methods inquiry from a relevant area of health sciences research.	Written Essay	20 - 40%
K1, K2, K3, S1, S2, S3, A1, A2, A3	Develop a mixed methods research proposal to inform a piece of research / scholarship in a specific area of health sciences.	Mixed Method or Quantitative Research Proposal	60 - 80%

Adopted Reference Style:

APA ()

Refer to the [library website](#) for more information

Fed Cite - [referencing tool](#)