

Course Outline (Higher Education)

Faculty: Faculty of Health

Course Title: QUANTITATIVE AND MIXED METHODS RESEARCH IN HEALTH

Course ID: HEALT7001

Credit Points: 30.00

Prerequisite(s): Nil

Co-requisite(s): Nil

Exclusion(s): Nil

ASCED Code: 060301

Grade Scheme:

Graded (HD, D, C, etc.)

Work Experience:

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

Placement Component:

No

Program Level:

AQF Level of Program						
	5	6	7	8	9	10
Level						
Introductory	■	■	■	■	■	■
Intermediate	■	■	■	■	■	■
Advanced	■	■	■	■	✓	■

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

Course Outline (Higher Education)

HEALT7001 QUANTITATIVE AND MIXED METHODS RESEARCH IN HEALTH

- 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

Course 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

Values:

- V1.** Reflect on the way research informed by quantitative and/or mixed methods research is able to improve practice based health outcomes;
- V2.** Appreciate and consolidate an understanding of the quantitative and/or mixed methods research process and role ethical professionals and leaders have in the development of new understanding for health

Graduate Attributes:

FedUni graduate attributes statement. To have graduates with knowledge, skills and competence that enable them to stand out as critical, creative and enquiring learners who are capable, flexible and work ready, and responsible, ethical and engaged citizens.

Attribute	Brief Description	Focus
Knowledge, skills and competence	Students with an advanced level understanding of specialist approaches to research will have the confidence to engage in ongoing and independent inquiry. Through a deeper understanding of the research process students will be able to engage in continuous learning to meet the personal and professional challenges of an ever changing world;	High

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Critical, creative and enquiring learners	A sound understanding of specialist research practice as well as its theoretical foundations gives students confidence, capability, assurance, to become advanced level independent professionals to enable them to fulfill their personal and career aspirations;	High
Capable, flexible and work ready	Students with competence in specialist research practice and theory are capable of contributing productively and to be in demand. The advanced level research skills and knowledge will provide the foundation for being critically attuned to contemporary social and cultural issues and aspire to make meaningful and helpful contributions to local, national and global communities;	High
Responsible, ethical and engaged citizens	This course in quantitative and mixed methods research will develop a students capacity to make critically and ethically informed choices in order to act in a socially responsible manner both in the work place and other settings.	Medium

Learning Task and Assessment:

Learning Outcomes Assessed	Learning 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