

Unit Outline (Higher Education)

Institute / School:	Institute of Health and Wellbeing
Unit Title:	ADVANCED CLINICAL RESEARCH METHODS
Unit ID:	PSYCM7121
Credit Points:	15.00
Prerequisite(s):	(PSYCM7020)
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED:	090701

Description of the Unit:

Students will implement the research protocol developed in PSYCM 7020. Students will practice a variety of research design and statistical analysis skills. Topics may include single case, factorial, quasi-experimental, and other designs, and statistical techniques that may include ANOVA, ANCOVA, multiple regression, factor analysis, meta-analysis, and diagnostic and clinical significance issues in statistics. On completion of this unit, data will have been collected and analysed.

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

Supplementary Assessment: No

Supplementary assessment is not available to students who gain a fail in this Unit.

Learning Outcomes:

Knowledge:

- K1.** Describe, explain and evaluate the various research designs used in clinical and health psychology
- K2.** Identify, describe and evaluate correlational, experimental and quasi-experimental methodologies
- K3.** Describe, explain and evaluate the research design adopted in their research project

- K4.** Identify suitable methods of evaluating the results in their research project
- K5.** Identify and explain ethical concepts, theories, and practices relevant to their research project

Skills:

- S1.** Evaluate examples of quantitative and qualitative psychological research, including their own research design
- S2.** Describe and apply concepts derived from philosophy of science to their research project

Application of knowledge and skills:

- A1.** Develop a constructively critical approach to evaluating the methodology and analysis techniques employed in published research and their own research project
- A2.** Produce the Method and Results sections of their research project that demonstrates consideration of methodology, implementation of appropriate analyses and interpretation of results

Unit Content:

Topics may include:

- Practice and review the following statistical analyses:
Correlations & Multiple Regression
Moderation and Mediation
Principal Components Analysis
Tests of Difference & Analyses of Variance
- Consider the following less commonly used methodologies:
Single case experimental designs
Program Evaluation
Systematic Reviews and Meta-analysis

Learning Task and Assessment:

Learning Outcomes Assessed	Assessment Tasks	Assessment Type	Weighting
K3-K5, S2	Data collection	Set tasks carried out to the satisfaction of supervisor	U/S
K1-K5, S1, S2, A1	Data analysis plan	Written Report	20-35%
K1-K5, S1, S2, A1	A series of online quizzes related to research methodologies and analyses	Quizzes	20-35%
K3-K5, S1, S2, A1, A2	Presentation of the Method and Results sections of the research project	Oral Presentation	25-35%

Adopted Reference Style:

APA

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

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