

BEHV 3004 ADVANCED RESEARCH METHODS

Credit Points 10

Legacy Code 101689

Coordinator Karen Mattock ([https://directory.westernsydney.edu.au/search/name/Karen Mattock/](https://directory.westernsydney.edu.au/search/name/Karen%20Mattock/))

Description This subject advances the research methods and statistics in the prerequisite subject, Experimental Design and Analysis. It introduces students to non-experimental, correlational research design, and survey research, including questionnaire design, sampling and administration, with reference to ethics particularly related to cultural contexts and specific groups. Knowledge and skills in the construction and evaluation of psychological tests are also taught. Related correlational statistical techniques are taught, together with advanced analysis of variance, and instruction in the use of SPSS. The subject also develops skills in conducting and reporting psychological research and provides an introduction to qualitative research.

School Psychology

Discipline Psychology

Student Contribution Band HECS Band 1 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 3 subject

Pre-requisite(s) MATH 2006

Equivalent Subjects MATH 3002 - Advanced Survey Design and Analysis

Restrictions

Note that only students enrolled at WSU Online may register in the WSU Online subjects offered at that location.

Assumed Knowledge

Knowledge of experimental design, and basic quantitative analysis techniques up to and including one-way Analysis of Variance.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Explain non-experimental correlational research methodology, advanced experimental methodology, qualitative and survey research techniques (APAC Graduate Attributes 1.1.i, 1.1.xii, 1.3).
2. Articulate principles of scale construction and evaluation and administration in various cultural contexts and with specific groups (APAC GA 1.1i, 1.1.xi, 1.1.xii, 1.2, 1.3, 1.4).
3. Demonstrate competence in advanced analysis techniques applicable to both experimental and non-experimental research methods (APAC GA 1.1.xii, 1.3).
4. Demonstrate competence in writing research reports, including as part of a team (APAC GA 1.1.xii, 1.3, 1.5).

Subject Content

1. Overview of quantitative research methods
2. Ethical and cultural considerations in research
3. Surveys - scale construction, evaluation and administration

4. Bivariate correlation and bivariate regression
5. Multiple regression
6. Factorial between-groups Analysis of Variance (ANOVA)
7. Factorial mixed Analysis of Variance (ANOVA) and Factorial Repeated measures Analysis of Variance (ANOVA)
8. Introducing chi-square analyses; one-way chi-square
9. Two-way chi square
10. Qualitative research methods; the Qualitative interview
11. Analysing qualitative data using Thematic Analysis
12. Mixed methods designs
13. Summary and Review

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task
Presentation	3 minutes	15	N	Group/ Individual
Log/ Workbook	500 words	25	N	Individual
Log/ Workbook	500 words	25	N	Individual
Report	1500 words	35	N	Individual

WSU Online Trimester 2

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task
Report	2,500 words (in two parts)	40	N	Individual
Numerical Problem Solving	3 exercises	10	N	Individual
Quiz	10 quizzes	5	N	Individual
Final Exam	2 hours	45	N	Individual

Teaching Periods

WSU Online TRI-1 (2024)

Wsu Online

Online

Subject Contact Karen Mattock ([https://directory.westernsydney.edu.au/search/name/Karen Mattock/](https://directory.westernsydney.edu.au/search/name/Karen%20Mattock/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BEHV3004_24-OT1_OW_2#subjects)

Autumn (2024)

Bankstown City

On-site

Subject Contact Karen Mattock ([https://directory.westernsydney.edu.au/search/name/Karen Mattock/](https://directory.westernsydney.edu.au/search/name/Karen%20Mattock/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BEHV3004_24-AUT_BK_1#subjects)

Penrith (Kingswood)

On-site

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View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BEHV3004_24-AUT_KW_1#subjects)

Parramatta - Victoria Rd

On-site

Subject Contact Karen Mattock ([https://directory.westernsydney.edu.au/search/name/Karen Mattock/](https://directory.westernsydney.edu.au/search/name/Karen%20Mattock/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BEHV3004_24-AUT_PS_1#subjects)

WSU Online TRI-3 (2024)

Wsu Online

Online

Subject Contact Rosalind Priestman ([https://directory.westernsydney.edu.au/search/name/Rosalind Priestman/](https://directory.westernsydney.edu.au/search/name/Rosalind%20Priestman/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BEHV3004_24-OT3_OW_2#subjects)