

BEHV 3004 ADVANCED RESEARCH METHODS

Credit Points 10

Legacy Code 101689

Coordinator Cindy Harmon-Jones (<https://directory.westernsydney.edu.au/search/name/Cindy Harmon-Jones/>)

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 and their related correlational techniques. A focus of the subject is advanced analysis of variance, and instruction in the use of statistical analysis programs. The subject also develops skills in conducting and reporting psychological research and provides an introduction to qualitative research, including qualitative analysis using thematic analysis, and mixed method approaches that combine quantitative and qualitative designs in a single study.

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:

- Evaluate non-experimental correlational research methodology (APAC Graduate Attributes 1.1.ii, 1.1xi, 1.1xii, 1.2, 1.3, 1.4, 1.6)
- Collaborate on ethical and cultural considerations for research with Aboriginal and Torres Strait Islander peoples, and with specific groups (APAC GA 1.1i, 1.1ii, 1.1iii, 1.1xi, 1.1xii, 1.2, 1.3, 1.4, 1.5, 1.6),
- Apply advanced analysis techniques to both experimental and non-experimental research methods (APAC GA 1.1xi, 1.1xii, 1.2, 1.3, 1.4, 1.6)
- Employ effective writing skills by producing APA compliant research reports (APAC GA 1.1xii, 1.3, 1.2, 1.3, 1.4, 1.6)

Subject Content

- Overview of quantitative research methods

- Ethical and cultural considerations in research
- Surveys - scale construction, evaluation and administration
- Bivariate correlation and bivariate regression
- Multiple regression
- Factorial between-groups Analysis of Variance (ANOVA)
- Factorial mixed Analysis of Variance (ANOVA) and Factorial Repeated measures Analysis of Variance (ANOVA)
- Introducing chi-square analyses; one-way chi-square
- Two-way chi square
- Qualitative research methods; the Qualitative interview
- Analysing qualitative data using Thematic Analysis
- Mixed methods designs
- 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	Mandatory
Presentation	4 minutes	20	N	Group/ Individual	N
Log/ Workbook	1,500 words	30	N	Individual	N
Participation	5-10 minutes per week/ tutorial	10	N	Individual	N
Report	1,500 words	40	N	Individual	N

WSU Online Trimesters

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	Mandatory
Presentation	8 minutes	15	N	Individual	N
Log/ Workbook	500 words	25	N	Individual	N
Log/ Workbook	500 words	25	N	Individual	N
Report	1500 words	35	N	Individual	N

Teaching Periods

Autumn (2025)

Bankstown City

On-site

Subject Contact Karen Mattock (<https://directory.westernsydney.edu.au/search/name/Karen Mattock/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BEHV3004_25-AUT_BK_1#subjects)

Penrith (Kingswood)

On-site

Subject Contact Karen Mattock (<https://directory.westernsydney.edu.au/search/name/Karen Mattock/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BEHV3004_25-AUT_KW_1#subjects)

Parramatta - Victoria Rd

On-site

Subject Contact Karen Mattock (<https://directory.westernsydney.edu.au/search/name/Karen Mattock/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BEHV3004_25-AUT_PS_1#subjects)

WSU Online TRI-2 (2025)

Wsu Online

Online

Subject Contact Cindy Harmon-Jones (<https://directory.westernsydney.edu.au/search/name/Cindy Harmon-Jones/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BEHV3004_25-OT2_OW_2#subjects)