

BEHV 3004 ADVANCED RESEARCH METHODS

Credit Points 10

Legacy Code 101689

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

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

Subject Content

Correlational (nonexperimental) research methodology
Survey research methodology

Questionnaire design
Scale construction
Reliability and validity of measuring instruments
Survey administration
Survey sampling
Statistical techniques appropriate to the analysis of nonexperimental research data: bivariate correlation and regression, multiple regression, factor analysis, reliability analysis, chi-square
Advanced analysis techniques: One-way ANOVA and Kruskal-Wallis nonparametric alternative, planned and post hoc comparisons, factorial ANOVA.
Correlational (non-experimental) research methodology;
Survey research methodology;
Questionnaire design;
Scale construction;
Reliability and validity of measuring instruments;
Survey administration;
Survey sampling;
Ethics related to surveys in various cultural contexts and specific groups.
Statistical techniques appropriate to the analysis of non-experimental research data: bivariate correlation and regression, multiple regression, factor analysis, reliability analysis, chi-square;
Advanced analysis techniques: One-way ANOVA and Kruskal-Wallis nonparametric alternative, planned and post hoc comparisons, factorial ANOVA.
Introduction to qualitative research.

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 |
|---------------|----------------------------------|---------|-----------|-----------------------|
| Log/Workbook | 3 exercises | 30 | N | Individual |
| Quizzes | 3 x 10 multiple choice questions | 30 | N | Individual |
| Report Part 1 | 1,225 words | 20 | N | Group |
| Report Part 2 | 1,225 words | 20 | N | Individual |

Teaching Periods

Autumn (2022)

Bankstown

Day

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

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BEHV3004_22-AUT_BA_D#subjects)

Penrith (Kingswood)

Day

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

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Parramatta - Victoria Rd

Day

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WSU Online TRI-1 (2022)

Wsu Online

Online

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

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BEHV3004_22-OT1_OW_0#subjects)

WSU Online TRI-3 (2022)

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_22-OT3_OW_0#subjects)

Autumn (2023)

Bankstown City

On-site

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

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BEHV3004_23-AUT_BK_1#subjects)

Penrith (Kingswood)

On-site

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

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BEHV3004_23-AUT_KW_1#subjects)

Parramatta - Victoria Rd

On-site

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

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WSU Online TRI-2 (2023)

Wsu Online

Online

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

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BEHV3004_23-OT2_OW_2#subjects)