UNIVERSITY OF THE FRASER VALLEY

ORIGINAL COURSE IMPLEMENTATION DATE: September 2000
REVISED COURSE IMPLEMENTATION DATE: January 2025
COURSE TO BE REVIEWED (six years after UEC approval)**:** September 2030
Course outline form version: 28/10/2022

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: PSYC 202	**Number of Credits:** 4 Course credit policy (105)
Course Full Title: Research Methods in Psychology **Course Short Title:** Research Methods in Psychology	
Faculty: Faculty of Social Sciences	**Department (or program if no department):** Psychology

Calendar Description:

An introduction to the procedures used in psychological research. Topics include research ethics; scientific writing in APA format; experimental, descriptive, quasi-experimental, and developmental research designs; measurement in psychology; descriptive and inferential statistical analysis; and generalization and interpretation of research results. In the lab section, students will have the opportunity to design, conduct, and write up an original research project.

Prerequisites (or NONE):	PSYC 101 and PSYC 102.
Corequisites (if applicable, or NONE):	None.
Pre/corequisites (if applicable, or NONE):	One of the following: PSYC 110, STAT 104, or STAT 106.

Antirequisite Courses *(Cannot be taken for additional credit.)*

Former course code/number: **PSYC 210**

Cross-listed with: N/A

Equivalent course(s):

(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)

Typical Structure of Instructional Hours

Lecture/seminar	45
Supervised laboratory hours (computer lab)	45
Total hours	**90**

Scheduled Laboratory Hours

Labs to be scheduled independent of lecture hours: ☐ No ☒ Yes

Course Details

Special Topics course: **No**
(If yes, the course will be offered under different letter designations representing different topics.)

Directed Study course: **No**
(See policy 207 for more information.)

Grading System: **Letter grades**

Delivery Mode: **May be offered in multiple delivery modes**

Expected frequency: **Every semester**

Maximum enrolment (for information only)**: 36**

Prior Learning Assessment and Recognition (PLAR)

PLAR cannot be awarded for this course because:

Due to the comprehensive lab component of the course.

Transfer Credit *(See **bctransferguide.ca**.)*

Transfer credit already exists: **Yes**

Submit outline for (re)articulation: **No**
(If yes, fill in transfer credit form.)

Department approval	**Date of meeting:**	April 2024
Faculty Council approval	**Date of meeting:**	May 3, 2024
Undergraduate Education Committee (UEC) approval	**Date of meeting:**	September 27, 2024

Learning Outcomes *(These should contribute to students' ability to meet program outcomes and thus Institutional Learning Outcomes.)*

Upon successful completion of this course, students will be able to:

1. Apply experimental and non-experimental research design principles to research questions.
2. Critically analyze the limitations of experimental and non-experimental research designs.
3. Apply appropriate data analytic procedures to various forms of data.
4. Describe the role of hypothesis testing and theory in psychological research.
5. Generate a testable hypothesis based on psychological theory.
6. Use current APA format.
7. Conduct literature searches in the social and related sciences.
8. Conduct a research project involving data collection and analysis.

Recommended Evaluation Methods and Weighting *(Evaluation should align to learning outcomes.)*

Lab work:	40%	Quizzes/tests:	18%		%
Final exam:	38%	Assignments:	4%		%

Details:

You must pass the lab and examination components to pass this course.
Quizzes/tests: midterm (18%)
Assignments: research participation in studies (4%)

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Instructional Methods *(Guest lecturers, presentations, online instruction, field trips, etc.)*

Lectures, small group work, demonstrations, videos, data collection, analysis, and presentation of results.

Texts and Resource Materials *(Include online resources and Indigenous knowledge sources. Open Educational Resources (OER) should be included whenever possible. If more space is required, use the Supplemental Texts and Resource Materials form.)*

	Type	Author or description	Title and publication/access details	Year
1.	Textbook	Cozby, P.C. & Rawn, C.D.	Methods in Behavioural Research: CDN edition	2020
2.				
3.				
4.				
5.				

Required Additional Supplies and Materials *(Software, hardware, tools, specialized clothing, etc.)*

Course Content and Topics:

- Psychology as a science
- Ethical practice in research
- Observational and descriptive approaches to research
- Experimental and complex research designs
- Variables, operational definitions, levels of measurement
- Quasi-experimental research designs
- Correlational research
- Questionnaire construction
- Scales of measurement and internal validity
- Reliability and construct validity
- Descriptive statistics
- Inferential statistics
- Generalization and replication