



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 <i>(Cannot be taken for additional credit.)</i> Former course code/number: N/A Cross-listed with: N/A Equivalent course(s): N/A <i>(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.)</i> | | Course Details Special Topics course: No <i>(If yes, the course will be offered under different letter designations representing different topics.)</i> Directed Study course: No <i>(See policy 207 for more information.)</i> Grading System: Letter grades Delivery Mode: May be offered in multiple delivery modes Expected frequency: Every semester Maximum enrolment (for information only): 36 | | | | | | | | | | | |
| Typical Structure of Instructional Hours | | Prior Learning Assessment and Recognition (PLAR) PLAR cannot be awarded for this course because: Due to the comprehensive lab component of the course. | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Lecture/seminar</td> <td style="text-align: center; padding: 5px;">45</td> </tr> <tr> <td style="padding: 5px;">Supervised laboratory hours (computer lab)</td> <td style="text-align: center; padding: 5px;">45</td> </tr> <tr> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> </tr> <tr> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> </tr> <tr> <td style="padding: 5px; text-align: right;">Total hours</td> <td style="text-align: center; padding: 5px;">90</td> </tr> </table> | | Lecture/seminar | 45 | Supervised laboratory hours (computer lab) | 45 | | | | | Total hours | 90 | Transfer Credit <i>(See bctransferguide.ca.)</i> Transfer credit already exists: Yes Submit outline for (re)articulation: No <i>(If yes, fill in transfer credit form.)</i> | |
| Lecture/seminar | 45 | | | | | | | | | | | | |
| Supervised laboratory hours (computer lab) | 45 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Total hours | 90 | | | | | | | | | | | | |
| Scheduled Laboratory Hours Labs to be scheduled independent of lecture hours: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes | | Date of meeting: April 2024 | | | | | | | | | | | |
| Department approval | | Date of meeting: May 3, 2024 | | | | | | | | | | | |
| Faculty Council approval | | Date of meeting: September 27, 2024 | | | | | | | | | | | |
| Undergraduate Education Committee (UEC) approval | | | | | | | | | | | | | |

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