



COURSE OUTLINE		
TERM: Fall 2020	COURSE NO: PSYC 412	
INSTRUCTOR:	COURSE TITLE: Applied Research Methods in Psychology	
OFFICE: LOCAL: E-MAIL: @capilanou.ca	SECTION NO(S):	CREDITS: 3
OFFICE HOURS:		
COURSE WEBSITE:		

Capilano University acknowledges with respect the Lil'wat, Musqueam, Squamish, Sechelt, and Tsleil-Waututh people on whose territories our campuses are located.

#### **COURSE FORMAT**

Three hours of class time, plus an additional hour delivered through on-line or other activities for a 15-week semester, which includes two weeks for final exams.

#### **COURSE PREREQUISITES**

PSYC 212 and PSYC 213

#### **CALENDAR DESCRIPTION**

This course will address how to develop, plan, and conduct applied research including experimental, correlational, and survey designs, as well as qualitative and field research methods. Students will learn how to identify a research problem and question, design and implement a study, analyze, interpret, and write up the results, and to communicate their research to academic audiences, and in their local communities.

#### **COURSE NOTE**

PSYC 412 is an approved Science and Technology course for Cap Core requirements.

PSYC 412 is an approved Experiential course for Cap Core requirements.

PSYC 412 is an approved Quantitative/Analytical course for baccalaureate degrees.

#### **REQUIRED TEXTS AND/OR RESOURCES**

Whitley, B., & Kite, M. (2012). *Principles of research in behavioural science* (3<sup>rd</sup> ed.). Routledge.

Additional readings may be required by some instructors.

**COURSE STUDENT LEARNING OUTCOMES**

**On successful completion of this course, students will be able to do the following:**

- Interpret, design, and conduct applied psychological research.
- Apply ethical standards to applied psychological science.
- Use scientific reasoning to interpret psychological phenomena.
- Examine and critically evaluate the applied research methods and techniques available to behavioural scientists.
- Describe applications and limitations of descriptive and inferential statistics in applied psychological research.
- Demonstrate effective writing for summarizing applied psychological research and disseminating and interpreting original data.
- Exhibit effective presentation skills for describing the method(s) and result(s) of original applied psychological research.

**Students who complete this Science and Technology course will be able to do the following:**

- Apply numerical and computational strategies to solve problems.
- Evaluate scientific information (e.g. distinguish primary and secondary sources, assess credibility and validity of information).
- Demonstrate how a problem, concept, or process can be modelled numerically, graphically, or algorithmically.
- Explain how scientific inquiry is based on investigation of evidence and evolves based on new findings.
- Participate in scientific inquiry and communicate elements of the process, including making careful and systematic observations, developing and testing a hypothesis, analyzing evidence, and interpreting results.

**Students who complete this Experiential course will be able to do the following:**

- Critically reflect on their progress and development in the context of the course and assess the utility of the acquired knowledge, skills, and values in the learner's personal, academic, or professional trajectory
- Apply the skills and knowledge of a given discipline or professional context, including working collaboratively in both leadership and team roles

**COURSE CONTENT**

<b>Date</b>	<b>Topic</b>	<b>Readings</b>
<b>Week 1</b>	Research Strategies: An Overview	Whitley & Kite, Chapter 2
<b>Week 2</b>	The Ethical Treatment of Research Participants / The Professional and Social Responsibilities of Scientists	Whitley & Kite, Chapters 3-4
<b>Week 3</b>	Formulating a Research Question / Developing a Measurement Strategy	Whitley & Kite, Chapters 5-6
<b>Week 4</b>	Internal Validity / External Validity	Whitley & Kite, Chapters 7-8
<b>Week 5</b>	True Experiments	Whitley & Kite, Chapter 9
<b>Week 6</b>	Field Research	Whitley & Kite, Chapter 10
<b>Week 7</b>	Correlational Designs	Whitley & Kite, Chapter 11
<b>Week 8</b>	Mid-term Exam	Additional Readings

<b>Week 9</b>	The Single-Case Research Strategy	Whitley & Kite, Chapter 13
<b>Week 10</b>	Qualitative Research Designs	Whitley & Kite, Chapter 14
<b>Week 11</b>	Survey Research / Evaluation Research	Whitley & Kite, Chapters 15 & 18
<b>Week 12</b>	Data Collection / Interpreting Research Results	Whitley & Kite, Chapters 16-17
<b>Week 13</b>	Writing Research Reports	Whitley & Kite, Chapter 20
<b>Weeks 14/15</b>	FINAL EXAMINATION HELD IN FINAL EXAM PERIOD	

All assigned chapters are required and will be examined, regardless of whether the material in them is covered in class.

### EVALUATION PROFILE

Written Assignments	20-40%*
Examinations/Quizzes/Presentations	25-60%*
Final Examination	20-35%
Total	100%

\*Note: No single evaluation component will be worth more than 35%.

### GRADING PROFILE

A+ = 90-100	B+ = 77-79	C+ = 67-69	D = 50-59
A = 85-89	B = 73-76	C = 63-66	F = 0-49
A- = 80-84	B- = 70-72	C- = 60-62	

### Incomplete Grades

Grades of Incomplete "I" are assigned only in exceptional circumstances when a student requests extra time to complete their coursework. Such agreements are made only at the request of the student, who is responsible to determine from the instructor the outstanding requirements of the course.

### Late Assignments

Unless otherwise specified, assignments are due at the beginning of the class or uploaded on the elearn course website on the due date listed. If you anticipate handing in an assignment late, please consult with your instructor beforehand.

### Missed Exams/Quizzes/Labs etc.

Make-up exams, quizzes and/or tests are given at the discretion of the instructor, in medical emergencies or severe personal crises, with prior notice, and appropriate documentation. Some missed labs or other activities may not be able to be accommodated. Please consult with your instructor.

### Attendance

Students are expected to maintain regular class attendance. Students are responsible for all announcements made in class, online to students' my.capilanou.ca email account or course website, and for all material on the course syllabus. Although instructors may discuss only portions of a chapter in class, students are responsible for studying all of each chapter listed in the course syllabus. Appropriate university behaviour is expected (see the University Calendar).

**English Usage**

University level writing skills are required in all assignments. American Psychological Association (APA) writing guidelines, including the use of respectful language, must be followed. All assignments must be original and must be used for this course only. Students are expected to proofread all written work for any grammatical, spelling and stylistic errors. Instructors may deduct marks for incorrect grammar and spelling in written assignments.

**Electronic Devices**

The use of personal technology is permitted in the classroom for note-taking purposes only, and if it is not distracting to others. During an exam, all personal technology must be turned off and removed from the desk.

**On-line Communication**

Outside of the classroom, instructors will (if necessary) communicate with students using either their official Capilano University email or eLearn; please check both regularly. Official communication between Capilano University and students is delivered to students' Capilano University email addresses only.

**UNIVERSITY OPERATIONAL DETAILS****Tools for Success**

Many services are available to support student success for Capilano University students. A central navigation point for all services can be found at: <https://www.capilanou.ca/student-life/>

**Capilano University Security: download the [CapU Mobile Safety App](#)**

**Policy Statement (S2009-06)**

Capilano University has policies on Academic Appeals (including appeal of final grade), Student Conduct, Cheating and Plagiarism, Academic Probation and other educational issues. These and other policies are available on the University website.

**Academic Integrity (S2017-05)**

Any instance of academic dishonesty or breach of the standards of academic integrity is serious and students will be held accountable for their actions, whether acting alone or in a group. See policy and procedures S2017-05 Academic Integrity for more information: <https://www.capilanou.ca/about-capu/governance/policies/>

Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances, are prohibited and will be handled in accordance with the Student Academic Integrity Procedures.

**Academic dishonesty** is any act that breaches one or more of the principles of academic integrity. Acts of academic dishonesty may include but are not limited to the following types:

**Cheating:** Using or providing unauthorized aids, assistance or materials while preparing or completing assessments, or when completing practical work (in clinical, practicum, or lab settings), including but not limited to the following:

- Copying or attempting to copy the work of another during an assessment;
- Communicating work to another student during an examination;
- Using unauthorized aids, notes, or electronic devices or means during an examination;
- Unauthorized possession of an assessment or answer key; and/or,
- Submitting of a substantially similar assessment by two or more students, except in the case where such submission is specifically authorized by the instructor.

**Fraud:** Creation or use of falsified documents.

**Misuse or misrepresentation of sources:** Presenting source material in such a way as to distort its original purpose or implication(s); misattributing words, ideas, etc. to someone other than the original source; misrepresenting or manipulating research findings or data; and/or suppressing aspects of findings or data in order to present conclusions in a light other than the research, taken as a whole, would support.

**Plagiarism:** Presenting or submitting, as one's own work, the research, words, ideas, artistic imagery, arguments, calculations, illustrations, or diagrams of another person or persons without explicit or accurate citation or credit.

**Self-Plagiarism:** Submitting one's own work for credit in more than one course without the permission of the instructors, or re-submitting work, in whole or in part, for which credit has already been granted without permission of the instructors.

**Prohibited Conduct:** The following are examples of other conduct specifically prohibited:

- Taking unauthorized possession of the work of another student (for example, intercepting and removing such work from a photocopier or printer, or collecting the graded work of another student from a stack of papers);
- Falsifying one's own and/or other students' attendance in a course;
- Impersonating or allowing the impersonation of an individual;
- Modifying a graded assessment then submitting it for re-grading; or,
- Assisting or attempting to assist another person to commit any breach of academic integrity.

### **Sexual Violence and Misconduct**

All Members of the University Community have the right to work, teach and study in an environment that is free from all forms of sexual violence and misconduct. Policy B401 defines sexual assault as follows:

Sexual assault is any form of sexual contact that occurs without ongoing and freely given consent, including the threat of sexual contact without consent. Sexual assault can be committed by a stranger, someone known to the survivor or an intimate partner.

Safety and security at the University are a priority and any form of sexual violence and misconduct will not be tolerated or condoned. The University expects all Students and Members of the University Community to abide by all laws and University policies, including B.401 Sexual Violence and Misconduct Policy and B.401.1 Sexual Violence and Misconduct Procedure (found on Policy page <https://www.capilanou.ca/about-capu/governance/policies/>)

**Emergencies:** Students are expected to familiarise themselves with the emergency policies where appropriate and the emergency procedures posted on the wall of the classroom.