



**CAMOSUN COLLEGE**  
**School of Arts & Science**  
**Department of Psychology**

**PSYC-201-001**  
**Research Methods in Psychology**  
**Winter 2018**

## **COURSE OUTLINE**

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The course description is available on the web @ <http://camosun.ca/learn/calendar/current/web/psyc.html>

Ω Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.

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### **1. Instructor Information**

|                  |  |              |  |
|------------------|--|--------------|--|
| (a) Instructor   | Judy Caldwell                                      |              |  |
| (b) Office hours | Wednesday & Thursday 4:00-4:50, Friday 11:30-12:20 |              |  |
| (c) Location     | F314C  |              |  |
| (d) Phone        | 250-370-3198                                       | Alternative: |  |
| (e) E-mail       | caldwell@camosun.bc.ca                             |              |  |
| (f) Website      |  |              |  |

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### **2. Intended Learning Outcomes**

Upon completion of this course a student will be able to:

1. Apply the methodology of psychological research through written essays and exams.
2. Critique research claims and reports.
3. Demonstrate practical skills for designing and conducting psychological research.
4. Demonstrate competence in experimental and survey research.
5. Demonstrate skills in quantitative and qualitative data-analysis.
6. Use statistical software for summarizing and analyzing data.
7. Use APA guidelines to write a scientific paper.





### **3. Required Materials**

1. Cozby, P. C. & Rawn, C. D. (2016). *Methods in Behavioral Research* (2<sup>nd</sup> Canadian Edition). Toronto: McGraw-Hill Ryerson.
2. Psychology 201 Lecture Workbook. Available in the Camosun College bookstore.

### **4. Course Content and Schedule**

1. There is one two-hour lecture each week (Thursdays at 12:30 in F100).
2. There is one 1.5 hour lab per week. (Your student class schedule informs you of your assigned lab section.)

# PSYCH 201 01 A, B & C WINTER 2018 TIMETABLE

| Week # and Lecture Date  | Lecture Topic  | Readings   | Lab Activities  | Labs DUE  |
|--------------------------|--|--|---|---|
| #1: Jan 11th             | • Course Introduction  | Chapter 1<br>Appendix D                              | Introductions<br>Operational Definitions  | /10 Operational Definition Assignment   |
| #2: Jan 18th             | • The Scientific Method  | Chapter 2  | How to read a scientific article  | /10 Jordan & Zanna article assignment   |
| #3: Jan 25th             | • Recruiting and Using Participants<br>• Ethical Research                                | Chapter 3  | Reading a Scientific Article<br> Ruback Article Assigned   | /10 Alzheimer's article assignment  |
| #4: Feb 1st              | • Measurement  | Chapter 5  | Navigating the Tri-council website<br>Navigating the APA website  | /5 Tri-council assignment<br>/5 APA assignment  |
| #5: Feb 8th              | <b>Test #1 15%</b><br>Chapter 1, 2, 3, & 5   | Appendix B (pp. 368-371)<br>Chapter 12 (pp. 250-252) | Descriptive Statistics Review<br> Research Proposal Assigned   | /10 Descriptive stats assignment  |
| #6: Feb 15th             | <b>NO LECTURE – READING BREAK</b>  |  | <b>NO LAB – READING BREAK</b>   | <b>No Assignment Due</b>  |
| #7 Feb 22nd              | • Observational Research<br>• Surveys<br>• Chi Square                                    | Chapter 6<br>Chapter 7<br>Appendix B (pp. 374-377)   | Qualitative versus Quantitative Research<br> Quantitative Observation Assigned  | /10 Ruback article assignment due ( <b>will not be accepted late!</b> )<br>/10 Qualitative assignment ( <b>3 bonus points for handing in proposal early</b> ) |
| #8: Mar 1st              | • Correlational Research   | Chapter 4<br>Chapter 12 (pp. 255-259)                | Chi Square  | /10 Chi Square assignment<br>/5 Quantitative Data Due<br>/15 Proposal Due   |
| #9: Mar 8th              | • Experimental Research  | Chapter 8  | Correlational Method<br>Discuss Proposals   | /10 Correlation Assignment  |
| #10: Mar 15th            | <b>Test #2 15%</b><br>Chapters 4, 6, 7, 8, 12 (pp. 255-259), & Appendix B (pp. 374-377). | Appendix A   | Discuss Proposals (con't)<br>Ethics Checklist<br>Informed Consent<br> Data Collection Assigned (i.e., data collection sheet) | /5 Ethics Checklist<br>/5 Informed Consent  |
| #11: Mar 22nd            | • Between and Within Subject Designs   | Chapter 9  | Project Write-Up: Title page, Methods and Appendix  | /10 Title page, Methods and Appendix  |
| #12: Mar 29th            | • Factorial Designs  | Chapter 10   | Data Analysis<br>Project Write-up: Results, Figure Caption, Figure  | <b>Data due in lab (i.e., data collection sheet)</b><br>/10 Results section, Figure Caption, Figure   |
| #13: Apr 5th             | • Statistics   | Chapter 12<br>Chapter 13                             | Project Write-Up: Introduction, Discussion, and References  | <b>No Assignment Due</b>  |
| #14: Apr 12th            | • Generalizing Results   | Chapter 14   | Project Write-Up: Abstract, Drop-in to work on project  | <b>Final Research Paper – Due Friday April 13th at 4:00</b>   |
| <b>Final Exam Period</b> | <b>Test #3 30%</b> Chapters 9, 10, 12, 13, 14, Appendix A, and all previous chapters     |  |   |   |

\*\*\*\*Note this timetable is tentative and any changes will be discussed in class.  
No lab work will be accepted after 4pm on Friday April 13th, 2018

## 5. Basis of Student Assessment (Weighting)

### FINAL GRADES WILL BE WEIGHTED AS FOLLOWS:

|   |            |
|---|------------|
| Lab participation and assignments                 | 20%        |
| Final Lab Research Paper (due Friday, April 13th) | 15%        |
| Lecture activities                                | 5%         |
| Test #1   | 15%        |
| Test #2   | 15%        |
| Test #3   | <u>30%</u> |
|   | 100%       |

#### Lab Assignments: (20% of course grade)

There is a written assignment for each lab. You must be in attendance to participate in the lab. Lab make-ups will only be allowed with a doctor's note justifying the absence. The assignments are due the following week in lab.

#### Tests: (60% of course grade)

There are three tests in this course. The first test will cover Chapters 1, 2, 3, and 5 and is worth 15%. The second test will cover Chapters 4, 6, 7, 8, 9 and Chapter 12 (pp. 255-259) and pages 374-377 in the Appendix, and is worth 15%. The last test will cover Chapters 10, 12, 13, and 14, Appendix A, as well as the chapters covered in the first two sections of the course and is worth 30% of the course grade. All tests are based on information from the lectures, lab activities, and assigned readings. These tests will consist of multiple choice and short answer questions **(REFER TO THE EXAM OUTLINES AT THE BACK OF THE LECTURE WORKBOOK FOR CONTENT COVERED ON EACH OF THE THREE EXAMS)**

**MAKE-UP TESTS WILL ONLY BE ALLOWED WITH PROPER DOCUMENTATION. YOU MUST CONTACT THE INSTRUCTOR, AND PROVIDE DOCUMENTATION, WITHIN 7 DAYS OF THE MISSED TEST TO BE ELIGIBLE FOR THE MAKE-UP TEST.**

#### Lecture Activities: (5% of course grade)

There will be random, brief, in-class activities. You must be in attendance to participate. **There will be no make-up opportunities for lecture activities missed without a doctor's note.**

#### Lab Report: (15% of course grade)

There is short research report required in this course. This report will involve designing an experiment, collecting data, analyzing data, and writing the results in an APA style research paper. This report will be completed alone or in pairs. This lab report will be due Friday, April 13th at 4:00. Details concerning the lab report will be discussed in lab.

**ONLY ONE LAB ASSIGNMENT CAN BE MADE UP WITHOUT A MEDICAL NOTE. ALL OTHER MISSED LAB ASSIGNMENTS WILL REQUIRE A NOTE. PLEASE BE SURE TO ATTEND LABS AND COMPLETE ASSIGNMENTS.**

## 6. Grading System

- Standard Grading System (GPA)
- Competency Based Grading System

## 7. Recommended Materials to Assist Students to Succeed Throughout the Course

### **STUDENT RIGHTS and RESPONSIBILITIES**

1. Students are responsible for reading the assigned material prior to class so that they are prepared to participate in class discussions and group tasks. It is essential for students to attend all lectures because key concepts covered in the lectures that are not covered in the course readings will be on the tests.
2. If a student requires special accommodation to be successful in this course, please see me the first week of class.
3. Students have the right not to participate in any lab exercise.
4. In class, you always have the right **NOT** to self-disclose any information.
5. I expect students to follow certain standards of conduct:
  - a) Work must be used for this course only.
  - b) Assignments that are copied (identical or plagiarized) between students will be given 0% for ALL students with identical work. If you want to work cooperatively, inform me ahead of time.
  - c) Fabrication of research data is not acceptable.
  - d) It is college policy that *"If an instructor remains convinced that there has been a violation [such as plagiarism or cheating], he or she may assign a grade of F for the work involved, or for the course..."*

**All students are expected to follow the College's Student Conduct Policy as outlined on the Camosun College Website**

## 8. College Supports, Services and Policies



### Immediate, Urgent, or Emergency Support

If you or someone you know requires immediate, urgent, or emergency support (e.g. illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Resource contacts @

<http://camosun.ca/about/mental-health/emergency.html> or <http://camosun.ca/services/sexual-violence/get-support.html#urgent>

### College Services

Camosun offers a variety of health and academic support services, including counselling, dental, disability resource centre, help centre, learning skills, sexual violence support & education, library, and writing centre. For more information on each of these services, visit the **STUDENT**

**SERVICES** link on the College website at <http://camosun.ca/>

### College Policies

Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies. Policies are available on the College website at

<http://camosun.ca/about/policies/>. Education and academic policies include, but are not limited to, Academic Progress, Admission, Course Withdrawals, Standards for Awarding Credentials, Involuntary Health and Safety Leave of Absence, Prior Learning Assessment, Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, Student Appeals, Student Conduct, and Student Penalties and Fines.

## A. GRADING SYSTEMS <http://camosun.ca/about/policies/index.html>

The following two grading systems are used at Camosun College:

### 1. Standard Grading System (GPA)

| Percentage | Grade | Description                          | Grade Point Equivalency |
|------------|-------|--------------------------------------|-------------------------|
| 90-100     | A+    |                                      | 9                       |
| 85-89      | A     |                                      | 8                       |
| 80-84      | A-    |                                      | 7                       |
| 77-79      | B+    |                                      | 6                       |
| 73-76      | B     |                                      | 5                       |
| 70-72      | B-    |                                      | 4                       |
| 65-69      | C+    |                                      | 3                       |
| 60-64      | C     |                                      | 2                       |
| 50-59      | D     |                                      | 1                       |
| 0-49       | F     | Minimum level has not been achieved. | 0                       |

## 2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

| Grade | Description   |
|-------|---|
| COM   | The student has met the goals, criteria, or competencies established for this course, practicum or field placement.   |
| DST   | The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement. |
| NC    | The student has not met the goals, criteria or competencies established for this course, practicum or field placement.  |

## B. Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy at <http://camosun.ca/about/policies/index.html> for information on conversion to final grades, and for additional information on student record and transcript notations.

| Temporary Grade | Description   |
|-----------------|---|
| I               | <i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.   |
| IP              | <i>In progress:</i> A temporary grade assigned for courses that are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.   |
| CW              | <i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement. |