



Psychology 201: Fall 2011 Research Methods in Psychology

Instructor: Dr. R. G. Tonks

Phone: 370 - 3308

Office : Fisher 308B

Email: tonks at camosun.bc.ca

Office Hours: Mon / Wed - 3:00-3:30 & Thurs 4:00-4:30

Lab assistant: Kris Andrew

Phone: 370-3195

E-mail: andrew at camosun.bc.ca

Textbook: Cozby, P. C. (2009). *Methods in Behavioral Research* (10th Edition). Toronto: Mayfield

Course Description

This course introduces students to research techniques in psychology. The aim is to develop an understanding of the conceptual foundations of various research strategies. Topics include formulating research designs and questions, measurement of variables, data analysis, drawing valid conclusions, and writing research reports. Labs and exercises include acquiring computer skills. (T). Prerequisites: Math 10 or assessment. PSYC 110 and one of either PSYC 120, 130, 150 or 164.

Learning Outcomes

Upon completion of this course students are expected to be able to

- Understand the basic methodological issues pertaining to psychological research
- Critique research claims and reports
- Demonstrate practical skills of designing and conducting psychological research.
- Demonstrate competence for experimental and survey research
- Demonstrate skills to undertake quantitative and qualitative data-analysis
- Use SPSS for summarising, and analysing data

- Write a scientific paper for publication following APA guidelines

Course Organization:

The list of readings is found on the [course syllabus](#)

Each week there will be a lecture and a laboratory session where participation is expected. The lectures are aimed at providing a background and aiding in understanding the science of psychology. The lab activities are designed to provide you with hands-on experience of conducting psychological research and learning SPSS for data analysis.

Evaluation

Exams: 50%

There will be a Midterm and Final Exam (25% each). These exams will have about 50 multiple-choice questions and 2-4 short essay questions covering material from the textbook readings, lectures, and lab activities. The exams are not cumulative but the Final Exam will have 2-4 critical thinking questions assessing your comprehensive understanding of the course including SPSS.

Lab Assignments & Participation: 25%

Each week activities will be done to help you apply the research methods and knowledge of their use to test through practical experiences (20%). Your participation in classroom and laboratory discussions, including student presentations, is worth 5%.

Group Projects: 25%:

This will be your own research project which you will design, conduct, organise and interpret the data, write up a report and give a brief presentation.

The Grading will be done following Camosun Standards as seen below:

A+ 90 - 100	B 73-76	D 50 - 59
A 85- 89	B- 70 -72	F 0 - 49
A- 80-84	C+ 65 - 69	I = Incomplete*
B+ 77-79	C 60 - 64	

*(If the missing work is not completed within 6 weeks from the semester end, the grade will become F).

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their

learning. This information is available in the College calendar, at Student Services or the College web site at camosun.bc.ca

STUDENT CONDUCT POLICY

There is a [Student Conduct Policy](#) which includes plagiarism. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services and on the College web site in the Policy Section.

Psyc 201 Syllabus

LECTURE (F306) & LAB (E115) SCHEDULE

Date	Thurs 11:30 (F 306) Lecture Topic	Readings	Week	Thurs 2:30 (E115) <u>Lab Activity / Location</u>
Sept 8	Course overview & Introduction		1	Introduction to d2l & methods
15	Introduction to the Science of Psychology	Ch. 1	2	Getting Oriented to the Lab
22	Getting Started	Ch.2	3	Understanding Research
29	Ethics in Science and Psychology	Ch. 3	4	Ethical Issues
Oct 6	Variables, Measures and Constructs	Ch. 4 & 5	5	Reliability & Validity
13	Observing & Qualitative Methodology	Ch. 6	6	Qualitative Analysis I Group Projects
20	Qualitative methods (pt2)		7	Qualitative Analysis Part II
27	Midterm (25%)	...	8	Group Projects

Nov 3	Conducting Research	Ch. 7 & 8	9	Group Projects Project Proposal Due
10	Conducting Simple Experiments & Beyond	Ch. 9 & 10	10	Descriptives/Graphs
17	Developmental, Description & Correlation	Ch. 11 & 12	11	Cross tabs & Comparing Means
24	Drawing Inferences from Data Samples	Ch. 13 & 14	12	Correlation, Regression & Factor Analysis
Dec 1	Review & Catch Up		13	Open Lab for Review & Project Work
Dec 8	Project Presentations		14	Presentations * Project Due *
.	* Final Exam * (25%) To be Scheduled	.	.	.

- * Please do the assigned readings prior to lectures