



School of Arts & Science
PSYCHOLOGY DEPARTMENT

PSYC 110-001
Experimental Psychology
Spring 2008

COURSE OUTLINE

Course Description:

This course presents experimental methodologies used in psychology including how data is collected, organized, and interpreted in psychological research. Topics covered: psychobiology, sensation, perception, cognition, learning theory, memory, assessment, and experimental design. Topics will be discussed and demonstrated in lecture and laboratory activities.

Prerequisites: Academic Math 10 or assessment & English 12 or assessment.
Math 11 is highly recommended

1. Instructor Information

| | | | |
|---------------|---|--------------------|-----------------|
| Instructor: | Denise Iacobucci | | |
| Office Hours: | Tuesdays 9:30-10:30am, Thursdays 9am to 10:30am & By Appt. | | |
| Location: | Office: F106E Lecture Room: F310 Lab Room: F302 and EwingTBA | | |
| Phone: | 370-3221 | Alternative Phone: | 208-7904 |
| Email: | iacobucciD@camosun.bc.ca | | |
| Website: | In Progress | | |

2. Intended Learning Outcomes

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

1. Describe the components and rationale for the experimental methodologies used to acquire psychological knowledge.
2. Describe the difficulties inherent in psychological research and conduct thoughtful critiques of select studies.
3. Design and conduct studies of psychological topics and present the outcomes in a clear, logical fashion.
4. Apply psychological concepts to the study of neuroscience, sensation, perception, learning, memory, intelligence, and language.

The outcomes will be measured by a combination of examinations, assignments, presentations, group work, and discussions.

3. Required Materials

| | | |
|-----|-------|--|
| (a) | Texts | Text: Wade, C., Tavris, C. Saucier, D. & Elias, L. (2007). <i>Psychology</i> (2nd Canadian ed.). Toronto: Prentice Hall. |
| (b) | Other | I. Lecture & Lab Manual, Denise Iacobucci, 2008 Available in the bookstore |

4. Course Content and Schedule

1. There are two, 2-hour lectures each week.

2. There are two 1.5 hour labs per week.
(Your student class schedule informs you of your assigned lab section.)

Special Note: All lab assignments, tests, and activities must include your First and Last name and your lab section. **Example:** Denise Iacobucci, Psych 110, Lab B.

I believe participation and attendance is very important. If you must miss class, call me at 370-3221. If I am not available please leave a message on my voice mail.

5. Basis of Student Assessment (Weighting)

Students' performance in Psychology 110 will be based upon their **performance on tests** (60%), **lab participation and assignments** (20%), lab report (15%) and **lecture/lab activities** (5%).

(a) Tests (60%)

- There are three tests in this course.
- The first test (20%) will cover Chapters 1, 2, 3, and the Appendix.
- The second test (20%) will cover Chapters 4, 5, and 6.
- The last test (20%) will cover Chapters 7, 9 and 10.
- All tests are based on information from lectures, lab activities, text study guide and assigned readings. Tests will not be cumulative. These tests will consist of multiple-choice and short answer questions.

(b) Lab Assignments (20%)

- **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. Most assignments are due at the beginning of the following day's lab.

(c) Lab Research Report (15%)

- There is **short research report** required in this course that is worked on during lab time. This report will involve designing an experiment, collecting data, analyzing data, and writing the results in an APA style research paper. Details will be discussed in Lab.

(d) Lecture/Lab Participation Activities (5%)

- There will be lecture and lab activities assigned. You must be in attendance to participate in the activity. **There will be no make-up opportunities for lecture activities missed without a doctor's note.**

6. Grading System

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 | Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite. | 1 |
| 0-49 | F | Minimum level has not been achieved. | 0 |

GRADING in PSYC 110

Grades combine the college definition and my own experience.

- A: Superior levels of achievement.** I expect quality which shows a full understanding of the work, and which also includes exceptional achievement (i.e. new insight, obvious quality research, clear presentation above and beyond the minimum required, better work than the majority of the class).
- B: High levels of achievement.** For a B, I use work that is good and shows full understanding. It does not have the same degree of exceptional achievement that makes an A, but is distinctly beyond the minimum required.
- C+: Satisfactory level of achievement.**
- C: Sufficient level of achievement to proceed with next level of study.** Average work, showing an understanding of the material and the minimum requirements have been met. It does not indicate the student is having any real difficulties.
- D: Minimum level of achievement for which credit is granted; a course with a D grade cannot be used as a prerequisite.** I give this grade for work that is handed in, lacking all required details, but has some approximation of adequate work.
- F: Minimum level is not achieved.**

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 E-1.5 at camosun.ca 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, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. <i>(For these courses a final grade will be assigned to either the 3rd course attempt or at the point of course completion.)</i> |
| 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. |

7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

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.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.

I expect students to follow **certain standards of conduct:**

1. All students are expected to follow the College's Student Conduct Policy - see below.

2. In order for students to earn marks towards the 5% lecture activities, students need to be in attendance to participate in lecture activities/assignments. There will be no make-up opportunities without a doctor's note.
3. 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.
4. Tests must be written as scheduled. Make-up tests will only be allowed with proper documentation. You must contact the instructor prior to the test, and provide documentation within 7 days of the missed test date to be eligible for the make-up test.
5. Late work will only be accepted in extreme cases. Please schedule your time to meet all due dates.
6. Work must be used for this course only.
7. 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..."*

Student Study Tips for Psychology 110

Throughout this course student study information will be provided to students based on research on memory and learning research and instructor experience. Below are some study suggestions to help you with this course.

1. Read chapter summary at end of chapter before reading the chapter.
2. Review your lecture notes and chapters, ACTIVELY three times within 24 hours after leaving class.
3. Read assigned material before lecture.
4. Define the terms and concepts at the end of each chapter. Here you can use on-line glossary and flashcards for each chapter.
5. Use textbook companion website and do chapter quizzes to review material and to ensure you understand what you are reading in the textbook.
6. Compare and Contrast theories and concepts. For example how is behaviorism similar to and different from the humanistic approach to human behavior? Compare similarities and differences between concepts such as sensation and perception.
7. Be sure to make-up questions from the textbook/lecture notes using headings/subheadings.
8. Be able to describe and explain major concepts from each chapter. Major concepts can be identified through lecture objectives and the review summaries located at the end of each chapter.
9. Ask questions during lecture. If you have a question others most likely have a similar question too. If uncomfortable with asking in-class be sure to e-mail questions to the instructor or book an appointment with the instructor to review the material and/or questions you may have.

STUDENT RIGHTS and RESPONSIBILITIES

- Students are responsible for reading the assigned material prior to class so that they are prepared to participate in class discussions and group tasks.
- If a student requires special accommodation to be successful in this course, please see me the first week of class.
- Students and their prospective participants have the right not to participate in any given lab exercise.
- As part of the course, specifically in the lab activities, you always have the right NOT to self-disclose any information.

Psychology 110, Section 001 Tentative Timetable

| Week | Lecture Topic | Readings | Lab Activities | Labs DUE |
|--------------------------|---|-----------------------------|--|---|
| #1: May 6 | • What is psychology? | Chapter 1 | Introductions/ Naturalistic Observations | |
| #2: May 8 | • Research Methods | Chapter 2 | Descriptive Statistics | 2% Naturalistic Lab |
| #3: May 13 | • Descriptive & Inferential Statistics | Appendix (pp. 648-656) | Correlation | 2% Descriptive Lab |
| #4: May 15 | • Genes & Evolution | Chapter 3 (pp.69-83, 89-96) | 1.) Inferential Statistics 2.) Read Scientific Article (<i>homework-due May 27 Lab</i>) | 3% Correlation Lab 2% Inferential Lab |
| #5: May 20 | <u>Test #1 20%</u> Chapter 1, 2,3, & Appendix | Chapter 4 | 1.) Brain Fluency Building 2.) Brain Terms (<i>homework</i>) 3.) Draw picture of neuron (<i>homework-due May 22 Lecture</i>) | |
| #6: May 22 | • Brain & Behaviour P Picture of Neuron | Chapter 4 | 1.) Brain Jeopardy 2.) Draw picture of eye & ear (<i>homework-due May 27 Lecture</i>) 3.) Brain Scenarios | P Brain Terms |
| #7: May 27 | • Sensation & Perception P Eye & Ear Picture | Chapter 6 | 1.) Blind Lab 2.) Project Intro | 1% Brain Scenarios 3% Article Review |
| #8: May 29 | • Consciousness | Chapter 5 | 1.) Project Intro 2.) Memory Experiment 3.) Informed Consents | 2% Blind Write-Up |
| #9: June 3 | <u>Test #2 20%</u> Chapters 4, 5, 6 | Chapter 7 | 1.) Learning/Shaping 2.) Data Collection (<i>homework-due June 5 Lab</i>) | P Memory Experiment P Informed Consents |
| #10: June 5 | • Learning | Chapter 7 | Results Section | 1% Learning/Shaping 2% Finish Results, title page & references |
| #11: June 10 | • Thinking & Intelligence | Chapter 9 | Questionnaire | Finish introduction and methods |
| #12: June 12 | • Memory | Chapter 10 | Free Lab | 2% Questionnaire |
| #13: June 17 | <u>Test #3 20%</u> Chapters 7,9,10 | Chapter 10 | Project write-up | Finish discussion and abstract |
| #14: June 19 | 15% Research Paper Due Today | | Free Lab | |
| Final Exam Period | <u>NO FINAL EXAM in this COURSE</u> | | | |

****Note this timetable is tentative and any changes will be discussed in class.

No work will be accepted after 4pm on Thursday June 19th, 2008.