

PSY211: Experimental Methods

Instructor: Dr. Sharon Himmanen

Class times: Wed, 6:00-9:30pm

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Office Hours: Wed. 2-4pm, by appointment

Dates	Topic	Lab	Assignment
8/26	Introduction		1
9/2	Generating research ideas	Literature review exercise (library)	2
9/9	Ethics/APA format	Article summary due (25 pts)	4, 16
9/16	Defining and measuring variables/Selecting participants	Ethics exercise (10 pts)	3, 5
9/23	Validity and reliability / review	Operational definition exercise (15 pts)	6
9/30	Exam 1		Ch. 1-6, 16
10/7	Descriptive and correlational designs	Subjective Organization experiment	12 & 13
10/14	Experimental research designs		7
10/21	Quasi-experimental designs	Study habits experiment	10
10/28	Exam 2		Ch. 7, 10, 12-13
11/4	Single-subject & longitudinal research designs	Abstract, method and results for SO experiment due (50 pts)	14
11/11	Between subjects designs / within subjects designs		8 & 9
11/18	Factorial designs		11
11/25	NO CLASS: THANKSGIVING BREAK		
12/2	Statistical evaluation of data	Introduction & Discussion for study habits experiment due (50 pts)	15
TBA	Exam 3		Ch. 8-9, 11, 14-15

Description:

An introduction to the scientific field of research and data analysis that is required for working in any area of psychology. Topics include: qualitative and quantitative experimental methods, selection of subjects, validity and ethical considerations, literature searches, and composing APA-style documents. The SPSS computer package will be introduced along with descriptive statistics, and mini-field experiments will be conducted. This course MUST be taken immediately before PSY 212. PSY 100 is a prerequisite for this course.

Required textbook (used for 212 as well):

Gravetter, F.J. & Forzano, L.B. (2009). *Research Methods for the Behavioral Sciences* (3rd Ed.). Belmont, CA: Wadsworth/Thomson Learning. ISBN: 978-0-495-50978-3.

Gravetter, F.J. & Wallnau, L.B. (2008). *Statistics for the Behavioral Sciences* (8th Ed.). New York, NY: Wadsworth/Thomson Learning. ISBN: 978-0-495-60220-0.

American Psychological Association. (2009). *Publication Manual of the American Psychological Association*. (6th Ed.). Washington, DC: APA. ISBN: 978-1-557-98791-4.

COURSE POLICIES Please read this section carefully. You are responsible for knowing this information.

Psychology Department Attendance Policy:

The Psychology Department is committed to the principle that regular and punctual class attendance is essential to the students' optimum learning and successful academic achievement. Regular class attendance is a student obligation, and students are responsible for all work, tests and written assignments. Therefore, students are expected to be present for all class sessions. The Psychology Department's attendance policy recognizes that there will be times when attendance at class is not possible. You may think of the policy as being similar to the type used in the corporate world where each employee is given a certain number of "personal/sick days." Based on the number of regularly scheduled class meetings, you will be allowed a certain number of absences (see below) with no consequences, no questions asked. In other words, there is no distinction between excused and unexcused absences. You are of course responsible for anything covered during those missed classes, and for submitting assignments on time, regardless of whether or not you attend. Beyond the allowable number of absences, there are consequences that will adversely impact your grade, much as missing too many days of work can adversely impact your employment status. Above all else, you should carefully consider each decision to not attend class, as once your allotted absences have been used, they are gone. *It is important that students arrive for class on time. Late arrivals are very distracting, not only to the instructor, but also to fellow students. Repeated late arrivals are not acceptable and will be addressed.* It is each student's responsibility to understand this policy and to keep track of absences throughout the semester.

Application to this Class: Formal attendance will be taken during all class sessions. This class meets once per week (28 class meetings). You may miss **3 classes** without penalty. If you miss **4 classes**, your final grade (cumulative percentage of points) will be lowered by 5%. That means that if you have earned 84% of the available points in the class, which is a B grade, you would be lowered to 79%, which is a C+. Likewise, if you have earned 77% of the points available, the penalty would take you down to 72%, which is a C-. As a reminder, a C grade (73%) is required in all Psychology courses. If you miss **5 classes**, you will be docked an additional 5% points off of your final grade (for a total of 10%). If you miss **6 classes**, you will receive a failing grade for the course. If you miss six classes, you have missed approximately 25% of the class meetings.

Cell phones:

Cell phones ringers must be turned off for class. Vibrate mode is as long as students do not disrupt the class by checking their cell phones or leaving the room in the middle of the lecture or discussion unless absolutely necessary. During exams, cell phones must be placed out of sight and not taken out at any point during the exam.

Changes:

Students are responsible for knowing about changes to the syllabus. All changes will be clearly announced in class, and an updated version of the syllabus will be available via eCollege. It is highly unlikely that any major due dates, such as paper due dates or exams, will be changed. However, not knowing about a change does not constitute an acceptable excuse for late papers or missed exams.

Cheating:

Cheating is against the college's code of conduct, and will not be tolerated. If you are caught cheating you will immediately fail the course, and I will turn over all evidence to the psychology department for further disciplinary action.

eCollege:

All students must be able to access eCollege. I post all course material there, including any updated versions of the syllabus. All questions outside of class time will be directed to the eCollege discussion boards so that all students may benefit from and participate in the discussion. Also, in the unlikely event that class will be cancelled, an announcement will be made as early as possible on eCollege. Most

importantly, any handouts will be made available on eCollege. If you are having difficulty accessing eCollege, please contact IT Services for assistance.

Grading:

Your final grade will be based on the following:

Lab Assignments – Five labs assignments, totaling 100 points, are due throughout the semester on the days indicated on the syllabus. These should be typed and in APA format.

Exams – There will be three non-cumulative exams worth 100 points each. Material covered in lecture and the textbook will be on the exams.

Late papers:

Please turn all assignments in on time for full points. Beginning 15 minutes after the start of class, I will deduct five points from your final score for every day the paper is late. It is acceptable to turn in papers via email, but they will be marked on-time according to the date stamp on MY end. Please email papers well in advance of the due date to avoid problems.

Make-up exams:

If an emergency arises, and you must miss an exam, please contact me as soon as possible, I will allow students to make-up a missed exam under certain, documented circumstances, such as illness, a family emergency, etc. Make-up exams are given at my discretion, so please document the reason for your absence as thoroughly as possible.

Study guides:

As a rule I do not make up study guides. I do, however, schedule time for review before exams. How useful this review is for you will depend on how well you prepare for it. My advice is to read through your notes prior to the review and write down any questions you have. You may also ask questions on our eCollege discussion board, which I will answer, and which may be answered by other students as well. Anything covered in lecture, lab, the textbook, or handouts may appear on the exams. Students are responsible for all this material.

Taping:

Please do not record lectures without checking with me first. Attending class, taking notes, and doing the readings should be sufficient. My experience is that taping lectures makes students less likely to take good notes or pay attention in class.

Textbook:

The textbook is an important source of information for the course, and I recommend strongly that you buy the edition specified above. If you do buy an earlier edition, you will be responsible for any differences between the current text and the one you are using.

Notes: