

Psychology 301: Experimental Psychology – Fall 2011
Monday and Wednesday, 3pm – 5pm, Psychology Bldg., Room 224

Instructor: Pascale Michelon, Ph.D. (pmichelo@artsci.wustl.edu)

Office: 406 D Psychology Bldg.

Office hours: Wednesday 2:30pm – 3:30pm or by appointment

Course website: <http://artsci.wustl.edu/~pmichelo/>

Text: Elmes, D. G., Kantowitz, B. H., & Roediger, H. L. (2006). Research methods in psychology. (8th edition), Belmont, CA: Wadsworth.

<u>Grading:</u>	4 short lab assignments	12% (3% each)
	2 medium lab papers	18% (9% each)
	1 complete lab paper	15%
	2 Exams	30% (15% each)
	Independent project paper	20%
	Independent project presentation	5%

A = 90%-100%, B=80%-89%, C=70%-79%, D=60%-69%, F = 0%-60%, with pluses and minuses occupying the upper and lower 2% of each 10% band.

The grade for late assignments will be reduced by 5% per day late.

This course is both a lecture class and hands-on laboratory. My goals are that you should come away from the course excited about what we can learn using experimental methods and that you should understand these methods comprehensively. Another goal is that that you should have a rewarding experience applying this knowledge in your own independent project.

The independent project will be an experiment that you will design, carry out, describe in the form of a complete experimental paper, and present in class. The draft of the Introduction and Method sections of your independent project paper is mandatory but not graded.

This course is designed to be an intensive laboratory experience. The writing you do will be based on your work in the laboratory. Therefore, it is essential that you attend all the sessions and participate in the discussions and laboratory activities.

Assignments for the *Muller-Lyer*, *Levels of processing*, *Lexical Decision*, and *Mental Rotation* labs require brief answers to questions in your packet. The assignment for the *Stroop* lab requires an Introduction and Methods section of a research paper. The assignment for the *Precue* lab requires a Results and Discussion section of a research paper. The assignment for the *Memory scanning* lab requires a full research paper (i.e., Abstract, Introduction, Methods, Results, Discussion, References).

Psychology 301: Experimental Psychology Fall 2011 Syllabus

Date	Lecture	Due Today
9/05	No class Labor Day	
9/12	Exploring the Literature & Writing Papers	Ch.3
9/19	Theories	Ch. 2 Project Pre-proposal
9/26	Basics of Experimentation	Ch. 6 I&M peer review
10/03	Experimental Design	Ch. 8 I&M final draft
10/10	Complex Designs	Ch. 9
10/17	Exam 1	

Date	Lab	Due Today
8/31	Course Introduction The Scientific Method	
9/07	Muller-Lyer lab Assignment: Answer questions. Due: 9/14	
9/14	Stroop lab Assignment: Intro & Method (I&M) 1 st draft due: 9/21 Peer review due: 9/26 Final draft due: 10/03	Muller-Lyer Lab Questions
9/21	Levels of Processing lab Assignment: Answer questions. Due: 9/28	I&M first draft
9/28	Precue lab Assignment: Abstract, Results & Discussion (ARD). Due: 10/12	LOP Lab Questions
10/05	Precue lab – Data analysis	Project proposal
10/12	Independent projects meetings during lab time	ARD paper
10/19	Superlab	

Date	Lecture	Due Today
10/24	Statistical reasoning Appendix B	
10/31	More statistics Appendix B	
11/07	Quasi-Experimental Designs, Small-n designs	Ch.10, 11
11/14	Independent projects: Data Collection #1 in class	
11/21	Correlation & Observation Ethics in Research	Ch. 4, 5, 12 Mem Scan Paper
11/28	Exam 2	
12/05	Independent projects: work in class	

Date	Lab	Due Today
10/26	Lexical Decision lab Assignment: Answer questions. Due: 11/02	Revised project proposal
11/02	Memory Scanning lab Assignment: Full Paper Due: 11/21	Lexical Decision Lab Questions
11/09	Mental Rotation lab Assignment: Answer questions. Due: 11/16	
11/16	Independent projects: Data Collection #2 in class	Mental Rotation Lab Questions
11/23	No Lab Thanksgiving Break	
11/30	Independent projects: Data analysis in class	
12/07	Independent Project Presentations	

Independent project paper due: Thursday Dec. 15th by 4pm

Note: As in all courses, standards of academic integrity are expected to be observed in this course. Be sure that all of the work that you submit is your own. Please see the course listings for a statement of academic integrity guidelines. If you do not understand the definition of plagiarism – please ask!