Attention!

This is a representative syllabus. The syllabus for the course when you enroll may be different. Use the syllabus provided by your instructor for the most up-to-date information. Please refer to your instructor for more information for the specific requirements of a given semester.

Carmen
Grades and relevant materials will be posted. This includes all the power-points from the lectures. In addition, some of the power-points, those that are especially complex, will be given as handouts in lectures.

Examinations, Papers, and Quizzes: 200 total points
Six examinations, each worth 15 points. Each exam covers only the material since the previous exam.
Four papers, each worth 20 points.
Two quizzes, each worth 15 points. These will be “surprise” quizzes, one given at the end of a randomly chosen lecture covering only the material from that lecture, and the other given at the beginning of a randomly chosen lab covering the reading assignment for that lab.
Extra Credit, worth 10 points. An example of statistical or design issues in real life. A print-out of an article must be turned in by April 20, with a short paragraph describing the main point of the article.

If you miss exams or quizzes or turn in papers late:
Making up exams or quizzes or turning in papers late will be allowed only with a written medical excuse or a very important conflict in scheduling.

Grades
Your final grade equals the sum of the points for exams, papers, quizzes, and extra credit divided by 2. Letter grades are: 100-92 A; 90-91 A-; 88-89 B+; 82-87 B; 80-81 B-; 78-79 C+; 72-77 C; 70-71 C-; 68-69 D+; 62-67 D; 60-61 D-; 0-59 F (Grades are not curved.)

Students with disabilities
This syllabus is available in alternative formats upon request. In addition, if you need an accommodation based on the impact of a disability, you should contact the instructor immediately. Students with special needs should contact the Office of Disability Services (ODS) at 292-3307 for certification if they have not already done so. Upon such certification, the ODS and the instructor will make every effort to accommodate special needs. However, to ensure that evaluation of student performance in the course is conducted in a manner that is fair to all students, special accommodations will not be granted in the absence of ODS certification.

Academic Misconduct
All students at the Ohio State University are bound by the Code of Student Conduct (see http://oaa.ohio-state.edu/coam/code.html). Violations of the code in this class will be dealt with according to the procedures detailed in that code. Specifically, any alleged cases of misconduct will be referred to the Committee on Academic Misconduct.

Textbook for the course
Experimental Psychology: A Case Approach, Any recent edition
Solso, Roger L. & MacLin, M.K.

Note: Much of the material for this course is covered only in lecture or lab, not in the textbook. Attendance is essential.
Statistics review and SPSS- t, z, chi-sq, anova

Real experiments- participating in them as subjects, analyzing the data from them, understanding the experimental designs that make them work, writing about them

Two-factor designs

Classic experiments in cognitive psychology- priming in semantic memory, implicit memory, context-dependent memory, automatic and strategic processing, levels of processing, short- and long-term memory, false memory, reading comprehension

Theoretical tools for interpreting data- signal detection theory, real-time decision making

Writing APA style papers

Detailed analyses of short articles from basic research journals

Graduate school-
how to get there: applications, GRE’s, recommendation letters, transcripts, where to apply, what to expect when you get there: money, time, advisors, writing, speaking

Ethics
Research funding
Publication
Evaluating Consumer Data (a sample of topics to be covered)

Compared to what?? Obama’s policies on gas prices
Compared to what?? does attending college make students more liberal?

Data mining- have death’s from cancer declined over the past 30 years?
Data mining- how many soldiers died in the Civil War?
Data mining- who is at fault when cars suddenly accelerate, car manufacturers or drivers?

Information cascades- what evidence is there that low-fat diets improve health?
Information cascades- where did mammograms come from?

Health data - reduced risk compared to relative risk;
how many patients must be treated to save one life?

Self-selection- did Title 9 lead to improvements in health for women?
Self-selection- abstinence classes

Matching subjects- does IQ as a child predict drug use as an adult?
Matching subjects- do white referees in basketball call more fouls on black players?

Single-subject data- brain damage; AIDS

Survey methods- “random” sampling, margin of error, political polls

Placebo effects- drugs: expensive red injections

Experimental vs observational designs

Buyer beware- improve your IQ (Lumosity)
Buyer beware- learn math better

Probability of false alarms- precognition