Psychology 210-100: Statistics & Research Methods in Psychology
Fall, 1987: 13:00-13:50 MWF, BPSY 0046

Instructor: Gregory Carey, Muen. D261A, 492-1658
Office Hours: 9:00-11:00 M, 12:00-12:50 W, and by appointment.

Teaching Assistants:

Recitation Sections: All in Meun D156
1) Monday 11:00-12:50
2) Tuesday 14:00-15:50
3) Wednesday 11:00-12:50
4) Thursday 14:00-15:50
5) Friday 9:00-10:50


**General Outline:** The Statistics and Research Methods Course is designed to acquaint the undergraduate with the analytical tools needed to properly understand the literature and the rationale underlying research in the behavioral sciences. Lectures are organized so that the student will gain a greater appreciation for the role of statistics and statistical inference in everyday life in addition to their application to psychology as a research field. The course material will be roughly in order of textbook presentation.

**Course Requirements:** Registration for one of the five recitation sections is mandatory. Regardless of attendance, students will be responsible for the material in problem sets, for handing in any required problem sets, and for quizzes given in recitation. There will be four examinations--three intermediate exams and a noncomprehensive final. The third intermediate exam and the final exam will count more than the first two. Test material will be primarily from the lectures and the problems discussed in recitation. The final grade will be determined by the sum of the four exam scores and performance on problem sets given in recitation. The precise weighting scheme given to the tests and the problem sets will be determined during the course. Grading is based on the distribution of total test scores. That is, grading is on a "curve" rather than a percent correct basis, although the professor is sensitive to the percent of correct answers in making grade cuts in the distribution.
Psychology 210-100: Statistics and Research Design in Psychology
Tentative Course Outline

Date

Aug 26  Introduction: Why gather data?  Chp. 1
Aug 28- Sept 2  Review of basic mathematics and algebra  Appndx. 1
Sept 4-14  The logic of statistics and probability  Chp. 7
            Chp. 13, pp. 315-324
Sept 16-23  Descriptive Statistics: How do I present data?  Chp. 2-4
Sept 25  FIRST EXAM
Sept 28 - Oct 16  Linear models: How do I predict something?  Chp. 5 & 6
Oct 19  SECOND EXAM
Oct 21 - Nov 20  Sampling and Hypothesis Testing
            Are my predictions really significant
            or are they just due to chance?  Chp. 8-11
Nov 23  THIRD EXAM (may take 2 class periods)
Nov 25 - Dec 9  Research design & experimental control: How can
            I arrange things to test my predictions?  Chp. 14,12
Saturday, Dec 12
          11:30-2:30  FINAL EXAM