Course Information

Textbook

Class Meeting Time and Place
The class meets on Tuesdays and Thursdays from 11:00 a.m. to 12:15 p.m. in Sierra Hall, Room 365. Lab Section 1 meets on Tuesdays and Thursdays from 12:30 to 1:20 p.m. in Sierra Hall, Room 341. Lab Section 2 meets on Tuesdays and Thursdays from 1:30 to 2:20 p.m. in Sierra Hall, Room 341.

As noted in the Spring 2012 schedule of classes, enrollment in lecture class number 11515 requires concurrent enrollment in either lab class number 11869 or lab class number 11871, and vice versa.

The material in the lecture and lab are integrally linked, and there is a hard limit of 24 students in each lecture-lab section pairing. As a result, there is simply no room in either the lecture or lab to accommodate students who intend to enroll for only the lab or lecture. Likewise, cross enrollments (e.g. enrollment in other lecture/lab sections that combine different instructors) can not be accommodated. The concurrent enrollment explicitly specified in the Spring 2012 schedule of classes is viewed as a major course requirement. The coursework and exams of students that fail to fulfill the concurrent enrollment requirement specified here, and in the Spring 2012 schedule of classes, will not be evaluated, and these students will be assigned failing course grades at the end of the semester.

If, for any reason, you are unable or unwilling to comply with the specified concurrent enrollment requirements, you yourself are responsible for dropping the unmatched course. Neither the University nor the Instructor of Record will drop the class for you.

Office Hours
I am available on Wednesdays 10:30-11:30 a.m. and Thursdays from 4-5 p.m. in Sierra Tower, Room 333 and by appointment. My phone number is (818) 677-7120. You can also leave phone messages for me at (818) 677-2728, which is the Psychology Department phone number. I can also be reached by email; my email address is jill.quilici@csun.edu.

About the Course
This course will introduce you to the philosophies and methodologies that underlie contemporary psychology with an emphasis on the experimental approach and scientific method. We will focus on the statistical decision-making procedures used in psychological research. Both manual and computer-assisted problem-solving techniques for analyzing data obtained in psychological experiments will be emphasized. If you keep up with the reading and homework and distribute your studying throughout the course, the workload will be manageable, and the course will be much more pleasant and rewarding. A good rule of thumb is to consider the University Carnegie unit to which all classes should conform. The Carnegie unit specifies that you should spend two hours in study time outside of class for each hour spent in class. Because this is a 3 unit course, you should plan to spend a minimum of 6 hours per week reading the assigned chapters, completing homework assignments, and reviewing lecture material.
Exams and Grading

There will be three exams (including the final exam): Midterm Exam 1 will cover chapters 1 through 5 (including corresponding lectures) and is tentatively scheduled for March 6 at 11 a.m.; Midterm Exam 2 will cover chapters 6-10 (including corresponding lectures) and is tentatively scheduled for April 12 at 11 a.m.; and the Final Exam will cover chapters 11, 12, 14, and 15 (including corresponding lectures) and will be given on May 15 at 10:15 a.m. Each of the exams will be weighted equally.

There will be three quizzes: Quiz 1 will cover chapters 1 and 2 (including corresponding lectures) and is tentatively scheduled for February 16; Quiz 2 will cover chapters 6-7 (including corresponding lectures) and is tentatively scheduled for March 20; and Quiz 3 will cover chapters 11 and 12 (including corresponding lectures) and is tentatively scheduled for May 3. Your two highest quiz scores will be weighted equally and your lowest quiz score will be dropped.

Course Grade Composition for the Lecture Portion of the Class:

- Midterm Exam 1: 25%
- Midterm Exam 2: 25%
- Final Exam: 25%
- Highest Quiz: 12.5%
- Second Highest Quiz: 12.5%

Your grade is determined by your performance on the three equally weighted exams and your two highest quiz scores. The percentages on each exam and quiz will be combined through weighted averaging and letter grades assigned to the following percentages.

- 90-100% averages receive A's (+/-)
- 80-89% averages will receive B's (+/-)
- 70-79% averages will receive C's (+/-)
- 60-69% averages will receive D's (+/-)
- 0-59% averages will receive F's

Academic honesty is expected and required. Academic dishonesty defrauds all those who depend upon the integrity of university courses and is a serious offense covered by Section 41301, Title 5 of the California Administrative Code. This section of the Code is published in the University Catalog, Schedule of Classes and the Student Handbook. Any student caught cheating or plagiarizing will receive a failing grade for the course and be reported to University officials.

Make-up Exam Policy

On occasion, emergencies arise that prevent one from taking a scheduled exam. In order to be eligible to take a make-up exam you must have a serious and compelling reason and you must notify the instructor that you will be unable to take the exam as scheduled PRIOR TO the administration of the exam. This notification may be given in person, or may be transmitted through the departmental secretarial staff by phone (818-677-2827). If you miss more than one exam during the course, you will be assigned a zero for one of them and your grade will be calculated accordingly. Should you miss your scheduled make-up exam, you will be assigned a zero for that exam in the determination of your grade. There will be no make-up quizzes since your lowest quiz score will be dropped.
Tentative Course Outline

Introduction to Experimental Design Chapter 1
Preliminary Data Analysis Chapter 2

**Quiz 1 (Chapters 1-2)** February 16

The Logic of Hypothesis Testing Chapter 3
Calculating the $F$ Ratio Chapter 4
Evaluating the $F$ Ratio Chapter 5

**Midterm Exam 1 (Chapters 1-5)** March 6

Analytical Comparisons in the Single-Factor Design Chapter 6
Estimating Population Means and Effect Size Chapter 7

**Quiz 2 (Chapters 6-7)** March 20

Errors of Hypothesis Testing and Statistical Power Chapter 8
Introduction to the Analysis of Factorial Experiments Chapter 9
Analytical Comparisons in the Factorial Design Chapter 10

**Midterm Exam 2 (Chapters 6-10)** April 12

The Single-Factor Within-Subjects Design Chapter 11
The Mixed Within-Subjects Factorial Design Chapter 12

**Quiz 3 (Chapters 11 and 12)** May 3

The Analysis of Categorical Data Chapter 14
Correlation and Regression Chapter 15

**Final Exam (Chapters 11, 12, 14, and 15)** May 15, 10:15 a.m.-12:15 p.m.

**About the Lab**

The lab part of the course is designed to give you a "hands-on" experience solving statistics problems both by hand and using statistical software on the computer.

**Calculator**

You will need a calculator to do the assignments for this class. It must have limited storage capacity and at least eight decimal place accuracy.

**Materials Online**

Lab assignments and handouts will be posted on my webpage: [http://www.csun.edu/~jq32645/](http://www.csun.edu/~jq32645/). You are expected to print out assignments and handouts and to bring them to lab on the days they are to be used.
Lab Assignments and Grading

In the Lab sessions you will be given six problem set assignments to complete. Each of the lab assignments will be weighted equally to form the basis of your laboratory grade. It is important that you not fall behind in your laboratory assignments; if you do get behind even in a single assignment see me for help in getting caught up. I will accept late work for reduced credit with 5% off for each day the assignment is late. No late assignments will be accepted after May 14.

I will grade on a simple percentage basis with 90% of the total points necessary for an "A", 80% for a "B", etc., with consideration for + and -.

Tentative Lab Assignment Due Dates:

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<thead>
<tr>
<th>Problem Set</th>
<th>Due Date</th>
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<tbody>
<tr>
<td>Problem Set 1</td>
<td>February 7</td>
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<tr>
<td>Problem Set 2</td>
<td>February 23</td>
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<tr>
<td>Problem Set 3</td>
<td>March 8</td>
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<td>Problem Set 4</td>
<td>March 27</td>
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<tr>
<td>Problem Set 5</td>
<td>April 19</td>
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<tr>
<td>Problem Set 6</td>
<td>May 8 to get feedback before the final; May 10 otherwise.</td>
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