Textbook

Class Meeting Time and Place
The class meets Tuesday and Thursday from 11:00 a.m. to 12:15 p.m. in Sierra Hall, Room 380. Lab 1 meets Tuesday and Thursday from 12:30 to 1:20 p.m. in Sierra Hall, Room 341. Lab 2 meets Tuesday and Thursday from 2 to 2:50 p.m. in Sierra Hall, Room 341.

As noted in the Spring 2010 schedule of classes, enrollment in lecture class number 17459 requires concurrent enrollment in either lab class number 11660 or lab class number 11661 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) cannot be accommodated. The concurrent enrollment explicitly specified in the Spring 2010 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 2010 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. The Psychology Department may decide to do an administrative drop, but you should not assume that they will do so.

Office Hours
I am available Thursday from 10-11 a.m. and Friday from 1-2 p.m. in ST 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 a 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 2 at 11 a.m.; Midterm Exam 2 will cover chapters 6-10 (including corresponding lectures) and is tentatively
scheduled for April 13th 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 11th 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 9th; Quiz 2 will cover chapters 6-7 (including corresponding lectures) and is tentatively scheduled for March 16th; and Quiz 3 will cover chapters 11 and 12 (including corresponding lectures) and is tentatively scheduled for April 29th. 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:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Midterm Exam 1</td>
<td>25%</td>
</tr>
<tr>
<td>Midterm Exam 2</td>
<td>25%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
</tr>
<tr>
<td>Highest Quiz</td>
<td>12.5%</td>
</tr>
<tr>
<td>Second Highest Quiz</td>
<td>12.5%</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Component</th>
<th>Chapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Experimental Design</td>
<td>Chapter 1</td>
</tr>
<tr>
<td>Preliminary Data Analysis</td>
<td>Chapter 2</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Component</th>
<th>Chapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Logic of Hypothesis Testing</td>
<td>Chapter 3</td>
</tr>
<tr>
<td>Calculating the $F$ Ratio</td>
<td>Chapter 4</td>
</tr>
<tr>
<td>Evaluating the $F$ Ratio</td>
<td>Chapter 5</td>
</tr>
</tbody>
</table>
Midterm Exam 1 (Chapters 1-5)       March 2
Analytical Comparisons in the Single-Factor Design       Chapter 6
Estimating Population Means and Effect Size       Chapter 7

Quiz 2 (Chapters 6-7)       March 16
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 13
The Single-Factor Within-Subjects Design       Chapter 11
The Mixed Within-Subjects Factorial Design       Chapter 12

Quiz 3 (Chapters 11 and 12)       April 29
The Analysis of Categorical Data       Chapter 14
Correlation and Regression       Chapter 15

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

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/.
You are expected to print out assignments and handouts and to bring them to lab on the days they are to be used.