You will use your regular student L/D (e.g., student999) and the same password as your
the class you will have access to the course website at http://courses.csusb.edu.
We will use the WebCT software for this course. Once you have successfully enrolled in

**Course Website**

Licenses will last for one year, and then the software will cease to work.
Installation disk from Computing Services (Kellogg Library Room 201E) for 24 hours. The
lab computers on campus. If you want to use MINITAB at home, you can check out an
limited to each lab. The course uses the MINITAB statistical software in class, which is available on all student

**Software**

Assignments will be web-based (see "Course Website," below).
We will not have a required text for the lab section. All required reading and class

**Text**

be prepared to review your old course notes outside of lab time.
lecture about the underlying concepts during the lab. If you choose to take only the lab
out our time in class will be devoted to the mechanics of conducting statistical analysis (e.g.,
course was taken recently, it is highly recommended that you enroll in Biol 215. Most of
in a lecture-based statistics course and another in lab, unless your other
possible to take Biol 215 without being concurrently enrolled in Biol 215 if you have
in the lecture portion of the class. It is
biological data, applying the concepts you learn in the lecture portion of the class. It is
This lab is meant to complement Biol 215, Experimental Design and Statistical Analysis.

**Course Content**

Office Hours: MW 10:30-12:00, or by appointment
Telephone: 750-8098
Email: whilliam@csusb.edu
Office: Science Hall II, Room 127
Dr. William Kristan

**Instructor Information**

Experimental Design and Statistical Analysis Lab
Biology 216L - Fall 2006
Tentative Syllabus

California State University, San Marcos
Department of Biological Sciences
Learning outcomes: Here are some of the skills you will learn from this course:

<table>
<thead>
<tr>
<th>Item</th>
<th>% of Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab exams</td>
<td>10</td>
</tr>
<tr>
<td>Pre-lab exams</td>
<td>30</td>
</tr>
<tr>
<td>Lab reports</td>
<td>10</td>
</tr>
<tr>
<td>Statistical flow chart</td>
<td>10</td>
</tr>
</tbody>
</table>

GRADING BASIS:

Your grade will be based on performance on three lab exams, a statistical flow chart, and written prelab and lab assignments.

Note:
- I will send all e-mail messages to your CSUSB e-mail. Please go to your CSUSB e-mail account to monitor your CSUSB e-mail. If you do not regularly check your CSUSB e-mail, you will miss important updates.
- If you have any problems logging in, you will have to contact the student helpdesk for assistance.

Favorite address:

Campus email and follow the instructions to have my messages sent to your Campus email. Click on "Forward email to your Campus email" and your messages will be sent to your Campus email account.

For more information on CSUSB e-mail, please go to your CSUSB e-mail account.
Tentative class schedule

**Sixth:** Participate in S.1 and work in study groups.

**Eighth:** Complete the prelab assignment before you come to class.

**Instructor:**

**Final:** Don't leave early! If you still have work to do, and ask questions of your

**Second:** Go to office hours.

**First:** Never let yourself get behind.

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**Guidelines for Studying Biostatistics**

- Test research hypotheses using appropriate statistical procedures
- Understand sampling and recognize its role in statistical inference
- Understand and apply measures of central tendency, variability, and association
- Develop an appreciation for statistical methods as powerful means for decision-making
- Evaluate arguments that are based on data analyses
- Make inferences and convincing arguments that are based on results of data