Syllabus

Introduction to Applied Statistics (Math 160)
Handout date: Tuesday, January 19 Spring 2010

Professor: James Bernhard
Course website: math.ups.edu/~jbernhard
Office: Thompson Hall 390G
Email address: jbernhard@ups.edu (one of the fastest ways to reach me)
Phone number: 879-3812 (one of the slowest ways to reach me)
Office hours: TBA—check the course website

Note: The course website contains a complete calendar for the semester, as well as all homework assignments. Also, if you email me a password, you will be able to access your grade to date at any time during the semester. Your grade to date on the website is not an actual percentage, but a version of your overall score rescaled to fit a 90-80-70-60 curve. I will be happy to discuss your grade to date at a more detailed level at any time during the semester as well.

Textbook and course materials:
The recommended text for this course is a course packet that I have prepared, which is available at the campus bookstore. If you would prefer not to pay for the photocopying and binding through the bookstore, just let me know, and I will send you a pdf file of the course packet instead. You should have access to a calculator (or computer) that will perform addition, subtraction, multiplication, division, trigonometric functions, and exponentiation. For the homework assignments (among other things) you will need access to a computer with Excel equipped with the Analysis Toolpak. This add-in comes with the Excel program, although not everyone will have installed it. If you have not, you should do so.

Course content and structure:
We will cover the material in the course packet in this course. Course work consists of:

- Approximately weekly homework assignments. You may work with anyone on the homework assignments, including me, other people in the class, tutors, etc., but your write-ups should be your own.
- Approximately weekly quizzes (about 10-15 minutes each), which are open book and open notes. While the homework is designed to give you practice at carrying out computations and interpreting results, the quizzes will be primarily designed to assess only your ability to interpret results. Quizzes will not involve nearly as much computation as homeworks. There will generally be no make-ups for in-class quizzes, so if you must miss one of these, you should see me to make arrangements, beforehand if at all possible.
- Five statistical projects over the course of the semester. These will involve conducting and writing up complete statistical analyses.
- A Reading Test, which will be a take-home test at the end of the semester. In it, you will be asked to analyze some actual examples of uses of statistics.

There is no in-class final exam in this course (even though the registrar will reserve a time for one).
**Policy on late work:**
Late work will not be accepted without an appropriate reason, if possible explained to me before the lateness occurs. If you are falling behind or need to turn something in late though, please see me so that we can discuss it.

**Academic honesty:**
You are encouraged to work with others (other students, myself, tutors, etc.) on homework assignments in any way that helps you understand the material, but the write-ups that you use on the quizzes must be your own. Of course, all quizzes and tests are to be done with no help from others. For further information on such issues, please see the official University of Puget Sound policy on academic honesty, which is posted on the web at [http://www.ups.edu/x4718.xml](http://www.ups.edu/x4718.xml).

**Office hours:**
I will make a deliberate effort to be accessible to you outside of the usual classroom hours, as I find that working with students individually or in small groups helps to improve the quality of instruction that I can offer. I hope that you will utilize my office hours with whatever frequency and in whatever ways that may assist you in learning the course material. If you cannot attend my office hours but have course-related questions that you would like to ask me, please do not hesitate to set up an appointment with me for another time.

**Grading:**
Your grade will be based on my assessment of your understanding of the material. By default, I will weight the various components of the course as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>20%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>25%</td>
</tr>
<tr>
<td>Projects (5)</td>
<td>10% each</td>
</tr>
<tr>
<td>Reading Test</td>
<td>5%</td>
</tr>
</tbody>
</table>

However, these weights are subject to change due to individual circumstances, and if you feel that any of the above components do not accurately reflect your understanding of the material, you should let me know. If there are particular circumstances involved, it can be helpful if you inform me of that as well. If for some reason the above components do not provide a satisfactory assessment of your understanding, then please see me, and we can work to come up with another way for you to demonstrate your understanding.

**Other:**
Please feel free to contact me with any other questions you have regarding the course. I look forward to an enjoyable class with you this semester!