Course Syllabus
Mathematics 160: Introduction to Applied Statistics
Professor James Bernhard, Spring 2012

http://math.pugetsound.edu/~jbernhard

The most important information about the course is on the above course website, including a full course calendar.

Course goals

1. To become an informed consumer of statistics.
2. To learn how to use a computer for statistical analyses.

Prerequisites

The only prerequisite for this course is three years of high school mathematics.

Course activities

The course will include the following activities:

<table>
<thead>
<tr>
<th>Type of activity</th>
<th>% of course grade</th>
<th>Resources you are allowed to use</th>
<th>Further information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labs</td>
<td>0%</td>
<td>Any, including working with other people</td>
<td>Full class period, approximately weekly, usually on Wednesday</td>
</tr>
<tr>
<td>Quizzes</td>
<td>30%</td>
<td>Calculator, class textbook, lecture notes (prepared beforehand by you or anyone else), work that you have written up on the labs, other notes that you have made</td>
<td>About 10-15 minutes in class, approximately weekly, usually on Wednesday</td>
</tr>
<tr>
<td>Project 1</td>
<td>10%</td>
<td>Microsoft Excel, class textbook, work that you have written up on the labs, any lecture notes prepared beforehand</td>
<td>See course calendar for due date</td>
</tr>
<tr>
<td>Project 2</td>
<td>15%</td>
<td>Same as Project 1</td>
<td>See course calendar for due date</td>
</tr>
<tr>
<td>Project 3</td>
<td>20%</td>
<td>Same as Project 1</td>
<td>See course calendar for due date</td>
</tr>
<tr>
<td>Project 4</td>
<td>15%</td>
<td>Same as Project 1</td>
<td>See course calendar for due date</td>
</tr>
<tr>
<td>Reading test</td>
<td>10%</td>
<td>Class textbook, work that you have written up on the labs, any lecture notes prepared beforehand</td>
<td>Take-home test toward the end of the semester</td>
</tr>
</tbody>
</table>

There is no final exam in this course. The course is finished on the last day of classes.

Your course grade will be based on my assessment of your understanding of the material. By default, I will use the percentages given above in my assessment. However, these percentages are subject to change due to individual circumstances, so if you believe that the above components do not accurately represent your understanding of the material, then you should let me know. If the circumstances dictate, I can work with you to find another way to demonstrate your understanding of the material.

Note from the above table that you are not allowed to work with others on anything except the labs. For general information on issues of academic honesty, see the official University of Puget Sound academic policy online at:

http://www.pugetsound.edu/student-life/student-resources/student-handbook/academic-handbook/academic-integrity/
**Course materials**

The required text for this course is *Introductory Statistics: A Unified Approach*, a draft of a book that I am writing for this course. It is available at the campus bookstore; if you would like a pdf version, just let me know.

There is no particular specialized technology needed for this course. You might find a basic calculator useful on the quizzes, but it is not at all necessary. For calculations in labs and projects we will use Microsoft Excel, available on V-Desk.

**Policy on late work**

I will not accept late work without an appropriate reason, which you should explain to me before the work is late if possible. If you are falling behind or need to turn something in late, please see me so that we can discuss it.

**Emergency response procedures**

Please note the following information regarding the university's emergency response procedures:

- Please review university emergency preparedness and response procedures posted at [http://ww.pugetsound.edu/emergency/](http://ww.pugetsound.edu/emergency/). There is a link on the university home page. Familiarize yourself with hall exit doors and the designated gathering area for your class and laboratory buildings.

- If building evacuation becomes necessary (e.g. earthquake), meet your instructor at the designated gathering area so she/he can account for your presence. Then wait for further instructions. Do not return to the building or classroom until advised by a university emergency response representative.

- If confronted by an act of violence, be prepared to make quick decisions to protect your safety. Flee the area by running away from the source of danger if you can safely do so. If this is not possible, shelter in place by securing classroom or lab doors and windows, closing blinds, and turning off room lights. Stay low, away from doors and windows, and as close to the interior hallway walls as possible. Wait for further instructions.

**My contact information**

James Bernhard  
jbernhard@pugetsound.edu  
Office: Thompson Hall 390G  
Office hours: see course website

Email is generally the easiest way to contact me. I read my email frequently and try to respond to it in a timely fashion. My office phone number is 253-879-3812, but reaching me by email is usually much faster and easier than by phone.

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