Economic and Business Statistics
36 - 210

**Objective:** This course is designed to give you the ability to analyze data in a useful way. It should also provide you with the capacity to understand how you and others use (and abuse!) data and the information available from it.

This course requires the completion of 67-108 or 67-204 or 67-171 with a grade of "C" or higher; or, qualification for enrollment in 67-171 via Math Placement Test. Completion of an introductory course in economics is not required, but you may find it easier to understand our class examples if you have had at least one economics course. You will need access to a calculator for the homework and the exams.

**Format:** Class will follow a lecture format three days per week. You are always welcome to ask clarifying questions or bring up for discussion current events as they pertain to the subject at hand. If your question is causing the class to stray too far from the assigned material or is not of general interest, I reserve the right to finish the discussion in my office. I also ask that you be courteous in your conduct and follow some general behavioral guidelines. If you absolutely must arrive late or leave early, please sit near the door and try to keep class disturbance to a minimum. If you sleep, I reserve the right not to awaken you. At all times, I reserve the right to ask you to leave, should I deem your behavior inappropriate. Even though I fully understand the need for today’s student to multi-task, I do not allow students to use laptop computers during class (unless there are special needs, such as a disability, that need to be accommodated) or to use cell phones during class (or exams).

**Text:** The required text for this course is the new e-text *The Core Concepts of Economic and Business Statistics*, by M. Ryan Haley, Nancy J. Burnett, Chad D. Cotti, and M. Kevin McGee. Online text (trademarked version). It is free to you and posted on D2L. You may download some, all or none of the content. If you wish, you may go to "Copy This" here on campus and get a printed out copy for approximately $22 (entirely optional), just be VERY VERY sure you get the BURNETT edition as each instructor has a slightly different text. You will not need to carry the text to class. There may be additional handouts provided in class as the semester wears on. You will be responsible for class material as well as that from the assigned text.
**Midterms:** There will be three exams. The two midterm dates will be *October 11, 2013 (Friday) and November 25, 2013 (Monday)*. There will also be a comprehensive final exam on the last day of class, *Friday, December 13, 2013*.

**Graded Work:** There will be homework assignments OR quizzes (based on the homework assignments), approximately one every week. They will be available on D2L and will be due, *at the beginning of class*, on the designated date. At times these assignments will be collected and graded, at other times the assignments will serve as the set of questions from which I will pull a single question to be used as an in class quiz (which will then be collected and graded). *It will be at my discretion whether the week’s graded work will be either the homework or the quiz. With the exception of computer assignments, I will drop the lowest score on the weekly graded work.*

**USP Explorer Course:** Students taking this course as an ‘explorer’ course for the new USP requirements will put the final computer homework assignment (with your answers, of course!) on their e-portfolio.

**Pre- and Post- Quizzes:** The University has requested that we keep track of student progress in our courses. Toward that end, please take the pre- and post- quizzes that will be available to you on D2L. When you log onto D2L, you will see a separate site that has the two assessment tests on them. These quizzes will be available for a short period during the beginning (and end) of the course. Please make sure you are aware of beginning and ending dates and times. You will receive full points, regardless of your score on the first quiz. On the second quiz, you will receive *up to 5 points based on your actual results.*

**Grading:** Grades will be assigned on the following basis:

<table>
<thead>
<tr>
<th>Assessment Type</th>
<th>Points Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre- and Post- Quizzes</td>
<td>5</td>
</tr>
<tr>
<td>Midterm exams</td>
<td>100</td>
</tr>
<tr>
<td>Graded Work</td>
<td>10</td>
</tr>
<tr>
<td>Final Exam</td>
<td>120</td>
</tr>
</tbody>
</table>

*No extra credit material will be assigned to make up for poor performance.*

**Grading Scale:**

- **A = 93% +**
- **A- = 90% - 92.9%**
- **B+ = 87% - 89.9%**
- **B = 83% - 86.9%**
- **B- = 80% - 82.9%**
- **C+ = 77% - 79.9%**
- **C = 72% - 76.9%**
- **C- = 67% - 71.9%**
- **D+ = 65% - 66.9%**
- **D = 63% - 64.9%**
- **D- = 60% - 62.9%**
- **F < 60%**

There may be some adjustments to the curve on various assignments. Any such adjustments will be announced in class. I also reserve the right to give you a slightly better grade than these strict percentages allow IF (and only if) I see evidence of drastic (and I mean drastic) improvement over the course of the semester.
Reading List

Why Statistics?
TEXT Chapter 1

Descriptive Statistics
TEXT Chapter 2-3

Probability
TEXT Chapter 4

Probability Distributions
TEXT Chapter 5-6

Sampling
TEXT Chapter 7

Estimating Proportions, Mean Differences and Proportion Differences
TEXT Chapter 8

Hypothesis Testing
TEXT Chapter 9-10

Regression
TEXT Chapter 11

***********************************Final Exam (12/13/13)***********************************