Math 22 - Elementary Probability and Statistics

Learning Experiences

1. The class meets Monday through Thursday from 9:35 am to 10:45 am. Attendance is very important, so do not miss class unless it is absolutely necessary. I will take roll at the beginning of each class meeting. If you do miss a class, it is your responsibility to contact a classmate regarding material and programs before the next class meeting. Please do not ask me to catch you up.

   Please turn off your cellular phone and do not keep it on your desk while you are in class. Also, all music listening devices must be turned off and put away during class.

2. If you find that you cannot attend class regularly or cannot do the work, it is your responsibility to drop this course so that you do not receive a failing grade. **IF YOUR CUMULATIVE ABSENCES EXCEED THE TOTAL HOURS THAT THE CLASS MEETS DURING TWO WEEKS YOU MAY BE DROPPED FROM THE CLASS.**

   Last day to drop without a “W” Feb. 19
   Last day to withdraw from a class Apr. 5

3. Homework is essential in learning mathematics. You should make every effort to do each assignment completely. Homework quizzes (15 points each) will be given on Thursdays. **Homework quizzes cannot be made up.**

4. Data analysis labs (25 points each) will be assigned. These labs should be turned in on the specified due date. **Lab assignments may be turned in one class day late for a maximum of half-credit.**

5. Four exams (125 points each) will be given. Any missed exams will receive a score of 0 and make-up exams **will not** be given. You may, however, take an exam early **one time** if arrangements are made with me. Exam dates will be announced one week prior to the exam.

6. The final exam (205 points) will be cumulative and is scheduled for Monday, May 10, 10:00—11:50 am. Before a grade can be given, the final exam **must** be taken. If you do not take the final exam, you will receive an F as a final grade.

**Required materials:**

- **Prerequisite course:** A course in Intermediate Algebra with a grade of “C” or better.


- **Class Pack:** Math 22 Class Pack, Spring 2010

- **Calculator:** TI-83, TI-83 Plus, or TI-84 graphing calculator.
Student Learning Outcomes

Upon completion of this course, the student will:

1. Understand statistical terminology and symbols.
2. Construct and interpret graphs to display and classify data.
3. Compute appropriate descriptive statistics.
4. Compute probabilities.
5. Recognize the importance and applications of the Central Limit Theorem.
6. Construct and interpret confidence intervals.
7. Choose and apply inferential analyses in order to draw conclusions about a population or populations.
8. Use regression analyses to construct models on dependent variables.

Grading

Your grade will be determined as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>120</td>
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<tr>
<td>Labs</td>
<td>175</td>
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<tr>
<td>Exams</td>
<td>500</td>
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<tr>
<td>Final Exam</td>
<td>205</td>
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<tr>
<td>Total</td>
<td>1000</td>
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Any form of Academic Dishonesty will not be tolerated and will result in a zero for that grade. This is the only warning you will receive.

Holidays on which class will not be held:

- Lincoln’s Birthday Holiday: Feb. 12
- Washington’s Birthday Holiday: Feb. 15
- Spring Break: Mar. 29—Apr. 2

Students with disabilities who believe they may need accommodations in this class are encouraged to contact Disabled Student Programs and Services in FACE 16, 395-4334, as soon as possible to better ensure such accommodations are implemented in a timely manner.

"Always bear in mind that your own resolution to succeed is more important than any one thing." Abraham Lincoln