STA 101.01
2003: Summer Session I

SYLLABUS

LOGISTICS

<table>
<thead>
<tr>
<th></th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>M-F 11:00 - 12:15 pm</td>
<td>231 Social Sciences</td>
</tr>
<tr>
<td>Lab</td>
<td>TWTH 12:45 - 1:45 pm</td>
<td>01 Old Chemistry</td>
</tr>
<tr>
<td>Office Hours</td>
<td>TBA</td>
<td>112 Old Chemistry</td>
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Grader: Beth Brown (222 Old Chemistry)

TEXTBOOK
The required textbook for this course will be Statistics (3rd edition) by D. Freeman, R. Pisani, and R. Purves. This is an introductory textbook in statistics which focuses upon an intuitive approach to learning statistics without being too computational. To compensate for the lack of numerical computations, supplement information will be used in addition to the textbook.
Throughout the course, additional readings will be required and will come from journals, newspapers and other texts.

COMPUTING
The statistical software, JMP-IN (4th edition) will be used in lab, homework and the final project. It is available for purchase from the Duke Bookstore.
Each student is expected to bring a calculator to every class and lab - calculators can be accessed from the computers in lab, too. It is not necessary to purchase a graphical calculator or one which has statistical functions.

DESCRIPTION OF GRADED ASSIGNMENTS
1. Problem Sets
There will be problem sets given out twice a week due in two lectures (problem sets assigned on Monday will be due at the start of class on Wednesday). These assignments might include exercises from the textbook, short computer exercises or other problems relevant to the current week’s topic.

2. Lab Assignments
There will be three computer labs each week in which students will use JMP-IN to complete computer assignments. Students who are familiar with other statistical software - MINITAB, Splus, Excel - may use these programs if desired, however, the computer exercises will only come with JMP-IN specific instructions. The purpose of these labs is to provide hands on experience analyzing data. The skills learned in lab will be directly applicable to final data analysis project. Labs will be graded based on the successful completion of the assignment. Missed lab assignments cannot be made up unless approved by the instructor.

3. Reading Assignments
Throughout the course we will read and discuss several articles that illustrate the use of statistics. These articles will come from a variety of sources, such as newspapers, journals
or other texts. More information regarding the reading assignments will be given out in class.

4. Final Data Analysis Project

QUIZZES
Short quizzes will be given either during lecture or lab once or twice a week. These quizzes will cover everything up until the previous day's material and may include True/False, Multiple Choice, Short Answer, Problem Solving and graph interpretations. Depending on class participation and attitude, fewer quizzes will be given as the course progresses.

MIDTERM EXAM
One exam will be given in this course, tentatively scheduled for June 6, 2003 and will be a closed book, closed notes exam. More information regarding the exam will be given out in class.

FINAL EXAM
An in-class exam will be given during the scheduled finals period and will be broken up into two parts: 1) a departmental final (1 hour) and 2) a course specific final (2 hours).

FINAL GRADE
The final grade will be computed according the following:

<table>
<thead>
<tr>
<th>SOURCE</th>
<th>% OF FINAL GRADE</th>
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<tbody>
<tr>
<td>Lab Assignments</td>
<td>5%</td>
</tr>
<tr>
<td>Problem Sets</td>
<td>10%</td>
</tr>
<tr>
<td>Reading Assignments</td>
<td>5%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>15%</td>
</tr>
<tr>
<td>Project</td>
<td>15%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
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GRADING POLICY
Due to the pace of summer courses, no late assignments will be accepted without a Dean’s Excuse. This policy will also apply to the quizzes, midterm exam and the data analysis project, no exceptions!

GRADE APPEALS
You are strongly encouraged to count points on each homework, project, and exam for potential miscount by your instructor and/or TA. Every effort will be made to mark your work accurately, however, sometimes grading mistakes happen. To use both the instructors and TAs time wisely, only the following claims will be considered for re-grading:

1. points are not totaled correctly;
2. the grader did not see a correct answer that is on your paper;
3. your answer is the same as the correct answer, but in a different form (e.g., you wrote a correct answer as 1/3 and the grader was looking for .333);

4. your answer to a free response question is essentially correct but stated slightly differently than the grader's interpretation.

The following claims will NOT be considered for re-grading:

1. arguments about the number of points lost;

2. arguments about question wording.

If you feel that the one of the first four applies to your situation, return the paper to the instructor immediately, stating the problem (claim) in writing.

**HONOR CODE**
Cheating on quizzes or exams, and any other form of academic dishonesty are violations of the Duke Honor Code.

**TUTORS**
Duke University provides Peer Tutoring programs for many introductory courses. All students who feel as they need help in addition to the instructor's and TA's office hours are strongly encouraged to contact the program. For more information please check the website of the Peer Tutoring Program.