STA 2014, Section 50362: Elementary Statistics for Health and Social Science
Summer, 2006

Instructor: L. J. Lipkin
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Office hours: Mon., Wed., Fri. 2:00 – 4:00, and by appointment
Class meetings: Monday, Wednesday, Friday 4:20 – 6:00

A TI-83, 84, 86 (with statistics package), or 89 (with statistics package) calculator is required for this course.

Administration: Attendance is required at all class sessions. Homework will be assigned and collected on a regular basis. All homework must be written on 8½x11 paper. Write on one side only of your paper, and staple in the upper left corner. Homework will be accepted only in this form. No late homework will be accepted (unless there is a very good reason such as sickness). No late quizzes or exams may be taken without an appropriate excuse (sickness, etc). There will be frequent in-class activities that will count as part of the homework grade. The semester grade will be figured on the following basis:

Homework (scaled) ................................................................. 50
Quizzes (4@25) ................................................................. 100
Two exams @ 100 ............................................................... 200
Final exam .......................................................... 125
TOTAL ................................................................. 475
Upward or downward trends may be taken into account when assigning the semester grade.

Last day to withdraw: Monday, June 5
Final Exam: Friday, June 30, 4:20 – 6:00

Cell phones, pagers, and other electronic devices must be turned off during class. Ringing phones and sounds from other devices disrupt the class. If one of these devices makes a sound during class, 10 points will be deducted from your total for each occurrence.

The course: We are bombarded constantly with data in newspapers, magazines, and research papers. How do we make sense of it? Are people drawing valid conclusions from the data? How likely are things going to turn out the way the “experts” say they are? How can individuals design experiments to understand human behavior or natural phenomena? How accurate is a political poll? What events occur just by chance? We will study these and other similar questions in this course.
Note Well:

(1) This summer course covers one whole semester in HALF the time. Do NOT take too many courses at once. You should expect to study at least twelve (12) hours per week outside of class in order to be successful.

(2) You must be sure to do ALL of the assigned homework in a timely fashion. Do not fall behind! It’s hard to catch up. To help you keep up, there will be four quizzes and four graded homework assignments. See the tentative schedule for the dates.

(3) In all courses you must READ the book CAREFULLY. This is especially true of mathematics and statistics books. The purpose of the course is to examine applications, so the examples and problems must be read and understood before it is possible to analyze them.

(4) Items 2 and 3 above indicate why you should expect to study at least twelve hours per week. You must read the book carefully and work seriously on the homework assignments.

(5) The Rewards: By following all of the instructions given above, you will earn a good grade in the course, and you will become adept at solving problems and understanding new material in all of your work.

How to succeed:

First, attend every class, ready to listen and to work in the classroom. Be sure to take good notes.

Second, check Blackboard regularly to get updated course information. However, Blackboard is not a substitute for class attendance. Check your UNF email regularly.

Third, read the assigned sections in the text very carefully. Too often students read only the computational examples or only the computational problems. You need to read all of the text, and read the applications carefully. Careful reading gets you about 75% of the way to solving a problem.

Fourth, work seriously on all of the assigned homework problems, not just the ones that will be handed in.

Fifth, when you need help, come to my office. If you are unable to come during the announced office time, please ask about arranging another time for us to meet. Don’t wait until just before class or just before a quiz or exam to get help. Begin your reading and problem-solving soon after the assignment is given. Having done that, you will have thought carefully about the material, and we can work together to clarify your understanding.

Sixth, keep in mind that this course may be different from most mathematics or statistics courses that you have taken before. We will learn technical and computational techniques, but the focus of this course will be the use of these techniques as tools to solve problems. Merely learning techniques is not very helpful, and certainly not very interesting.
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<th>Week beginning</th>
<th>Monday</th>
<th>Wednesday</th>
<th>Friday</th>
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<tr>
<td>May 8</td>
<td>Introduction; 2.1 – 2.3</td>
<td>2.3; 3.1 – 3.2</td>
<td>Quiz #1; 3.2 – 3.3</td>
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<td>May 15</td>
<td>HW #1 due; 3.4 – 3.5</td>
<td>4.1 – 4.2</td>
<td>Quiz #2; 4.2 – 4.3</td>
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<td>May 22</td>
<td>HW #2(a) due; 5.1 – 5.2</td>
<td>Exam I; 5.3</td>
<td>6.1 – 6.2</td>
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<td>May 29</td>
<td>Memorial Day Holiday</td>
<td>HW #2(b) due; 7.1 – 7.2</td>
<td>7.2 – 7.3</td>
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<td>June 5</td>
<td>HW #3 due; 7.4 – 7.5</td>
<td>7.5 – 7.6</td>
<td>Quiz #3; 7.6</td>
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<td>June 12</td>
<td>Exam II</td>
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<td>June 19</td>
<td>HW #4 due; 9.1 – 9.2</td>
<td>9.2 – 9.3</td>
<td>Quiz #4; 9.3 – 9.4</td>
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<td>June 26</td>
<td>10.2, 11.2</td>
<td>review</td>
<td>Final Exam</td>
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(This schedule will be adjusted as needed)