

Introduction to Statistics and Biostatistics

MATH 160 - Section 3

Course Information

Important Please check your email and my webpage regularly for announcements, homeworks, suggestions and so forth.

What is Statistics?

Statistics is the science of collection, summarization, and analysis of data; and the drawing of inferences about a population from the examination of a sample from the population. The goals of this course are to introduce you to the practice of statistics and to prepare you to use statistics in future work in own area of interest.

Text

There are two texts for the course; **The Basic Practice of Statistics**, 4th Edition, by David S. Moore and **MINITAB Manual to Accompany The Basic Practice of Statistics**, 3rd Edition, by Betsy S. Greenberg. The former is required while the latter is recommended, especially if you are new to windows based applications.

Office Hours and Tutoring

Besides the regular class times, I will hold 2 office hours at my math office. Also I will be in the tutoring room in Math East Building, Room 145 once every week. The complete schedule is posted on the Course Web Page.

Calculators

Each student is required to have, and to know how to use, a graphing calculator that can do the statistical calculations correlation and linear regression. Some examination questions will require the use of such calculators. No calculator swapping will be permitted during exams. In the classroom, the Texas Instruments TI-83/84 will be used.

Class Attendance

You should plan to attend every class which is obviously in your best interest. You are responsible for all information provided in class, sent through email and on the course web page. Any student who misses more than two days will be dropped from the course. Any student who is excused from class for attendance at an officially authorized event must provide a written excuse signed by the Dean of Students no later than one week after the absence. Electronic devices such as cell phones, pagers, watch alarms, etc. must be turned off during class.

Examinations

Three midterm examinations will be given during the weeks indicated in the Course Schedule, and a final examination will be given on **F May 4, 2007 from 2 pm to 4 pm**. Unless there are extenuating circumstances, a missed midterm examination or a missed final examination will result in a score of zero for that work. There are no make up exams.

Homework/ Minitab Assignments

Homework will be assigned for each section of the text. Instructions for the homework will be posted on my web page or announced in class. They will usually be collected once a week and the due date will be posted on my webpage or announced in class. I will grade some randomly selected problems and your score will be based on your performance on them.

Minitab assignments will be provided and collected on a regular basis. Solutions must be computer-generated with each exercise clearly labeled.

Towards the end, I will drop the two lowest grades from your final score.

Assignment Format

To make grading easy for me, I ask you to write or type on one side of the paper only; write your name, course number and section number on the first page; staple multiple pages; do not use paper clips or paper folding; write neatly, explain all steps of the problems in complete detail. Note that no credit will be given for assignments that contain only answers with no supporting work.

Late assignment will not be accepted. Should you have known family or other obligations, you may arrange for a classmate to deliver your homework on the due date or submit it a class day early.

You may work together on assignments, to the extent that you help each other to figure out how to approach the problems. Then write down the solutions in your own words.

Course Grades

Each midterm examinations will be worth 100 points, and the final examination will be worth 200 points. Homeworks and Minitab assignments will be worth 200 points each. At the end of the Semester, grades will be assigned based on the following scale:

Total Points	Grade
810-900	A
720-809	B
630-719	C
540-629	D
0-539	E

Dropping The Course

The last day to drop without a signature is Tuesday, February 6, and the last day to drop with a grade of "W" (if passing) is Tuesday, March 6.

Incomplete Grades

If you fail to complete the course due to circumstances unforeseen, then you may qualify for a grade of I, “incomplete” if *all* of the conditions are met:

1. You have completed all but a small portion of the required work.
2. You have scored at least 50% on all work completed.
3. You have a valid reason for not completing the course on time.
4. You agree to make up the material in a short period of time.
5. You ask for the incomplete before grades are due - 48 hours after the final exam.

University Policies

You are expected to be familiar with and abide by the University of Arizona’s Code of Academic Integrity, Student Code of Conduct, and Official Student Email Policy. These policies will be strictly enforced.

Students with Disabilities

If you anticipate issues related to the format or requirements of this course, please meet me to discuss ways to ensure your full participation in the course. If you determine that formal disability-related accommodations are necessary, it is very important that you be registered with Disability Resources (621-3268; drc.arizona.edu). You should notify me of your eligibility for accommodations by Friday, January 19, 2007. We can then plan how to coordinate your accommodations.