

Summer 2006

Math 1107

Elementary Statistics

Section 02 MW 11:00 AM-1:45 PM CL 1010

Section 03 MW 2:00 PM-4:45 PM CL 1010

Professor: Dr. Joe DeMaio

Office: Science and Mathematics 525

Phone: (770) 423-6568

e-mail: jdemaio@kennesaw.edu

Web Page: <http://science.kennesaw.edu/~jdemaio>

Office Hours: TT 1:00 PM - 2:30 PM

Required Text: Mario Triola, *Elementary Statistics*, Ninth Edition.

Required Calculator: TI-83

Learning Outcomes

1. The student will demonstrate an understanding of the vocabulary of the study of statistics.
2. The student will understand the need for proper techniques for gathering data.
3. The student will understand and apply both graphical and numerical techniques for summarizing data.
4. The student will understand the differences between continuous and discrete random variables.
5. The student will demonstrate an understanding of concepts of basic probability.
6. The student will master the computational techniques of the normal distribution.
7. The student will use data and summary statistics to build confidence intervals to estimate population parameters such as means and proportions.
8. The student will appropriately interpret the results of confidence interval estimates in the context of the given problem.
9. The student will appreciate the importance of statistics in society.

Grading

There will be three tests and a final exam, each of which is worth 25% of your final grade. Tests will be given in a multiple choice format. The answer to a multiple choice question is either completely correct or completely incorrect. There can be no partial credit awarded. Letter grades will be assessed on a 10-point scale. However, tests will have more than 100 possible points available so extra points are available to be earned. You will be allowed to use a single 3 x 5 index card of notes on each test. Notes in any other form will not be allowed and will be confiscated. Yes, the final exam is cumulative! Cheating in any form will result in the grade of an 'F' for the course!

I do not drop nor do I replace any grades!

There are no extra credit projects!

Homework

There will be homework problems for each section covered. This homework will not be taken up and graded. It is to give you a point of reference from which to work. Test problems are often slight variations of homework problems if not the exact problem. The only way to succeed in this class is by doing all of the assigned homework! Merely, attending class will not be enough. I expect the average student to spend three hours out of class on homework for every hour of scheduled class time.

Because homework problems are not graded, you are allowed and strongly encouraged to work together on homework problems. I believe that it is very beneficial to regularly work problems in small groups of two to four people. This will decrease your chances of getting stuck on a problem and give you someone, other than your instructor, with whom to discuss homework problems.

While there is no homework grade, your instructor will feel no compulsion to go out of his way for a student who does not do their homework.

Attendance

Every mathematics class is a building process from day one (actually, even from grade one). A student who misses classes has seriously compromised his or her knowledge of the material and will begin to feel an effect on their final grade. Attendance and class participation are important elements to incorporate into your study habits. I will distribute a sign-in sheet to document attendance at the beginning of each class. During the summer term I may, from time to time, distribute a second sign-in sheet after the break. Signing for another student will be treated as an honor code violation.

A student who misses a class is responsible for all material missed. Due to time constraints your instructor cannot re-present the lecture in a one-on-one setting. **If circumstances dictate that a student will miss numerous class meetings, perhaps now is not the semester to take this course.**

While there is no attendance grade, your instructor will feel no compulsion to go out of his way for a student who has a poor attendance record.

Web Page

On my web page I will place copies of slides that I will use in class. This will alleviate some of the note taking burden from you. These slides are only an outline for the course and are not a complete set of notes. As such, they are not an adequate substitute for class notes or attendance. They are intended only as a starting place for your class notes.

I expect students to maintain an organized 3-ring binder of these notes for use in class.

A student who does not take advantage of these online resources is considered unprepared for class.

Calculator

The TI-83 calculator is required for this course. The prerequisite of Math 1101 implies that you are already familiar with the basic operations of the TI-83. As such, instruction in the use of the TI-83 will be limited to new statistical applications.

Final Grade

At the end of the semester, for reasons of privacy, I do not post grades. I also do not report grades to students over the phone or through e-mail. You are, of course, more than welcome to come to my office and see your final exam.

Weds., May 31	First day of class
Weds., June 14	Test I
Weds., June 28	Test II
Friday, June 30	Last day to drop without academic penalty: 8 week term
Weds., July 12	Test III
Mon., July 24	Last day of class
Weds., July 26	Final Exam: Section 02: 11:30 AM Section 03: 2:00 PM