

Math 11 55311 – Spring 2015

Mr. Ron Reimer

Office: Fem 1F

Hours: T, W, 11:00 – 12:00, Th 10:00–11:00

MTWTH 9:00 – 9:50

Rm: MTh SOC 30, TuW POR4

Ext: 3355

ELEMENTARY STATISTICS

COURSE DESCRIPTION: This course is an introduction to statistical methods and techniques with applications in the fields of business, behavioral and social science, as well as in science, technology, engineering, and mathematics. Topics include descriptive measures of central tendency and variability, probability, binomial and normal distributions, random variables, sampling, estimating, hypothesis testing (parametric and nonparametric), correlation and regression.

OBJECTIVES:

- A. Summarize and describe given data sets.
- B. Apply the methods of descriptive statistics to determine the measures of central tendency and variability to a variety of problems.
- C. Apply basic principles of probability to determine probabilities of a variety of events.
- D. Analyze discrete and continuous probability distributions.
- E. Explore the basics of sampling theory.
- F. Estimate population parameters through studying confidence intervals.
- G. Examine hypothesis testing for small and large samples and multiple populations.
- H. Determine if a relationship exists between quantitative variables.

OPTIONAL TEXT: Essentials of Statistics 5/E

- Triola, Mario F.
- Textbook ISBN-10: 0321924592
- Textbook ISBN-13: 9780321924599



REQUIRED WEB ACCESS: My Math Lab

Course ID: reimer09185

January 19	M	Martin Luther King Jr Day
February 13 – 16	F – M	Presidents Weekend
February 27	F	Last day to drop without receiving a “W”
March 13	F	Last day to drop a full term course
March 30 – April 3	M – F	Spring Recess
May 18	M	Final Exam, 9:00 – 10:50 am, SOC 30

Attendance: In order to maintain continuity of subject matter regular attendance is imperative in any academic course. You are expected to attend all class sessions, arrive on time and stay for the entire session. If you have accumulated more than 4 absences on March 13, 2015 you will be dropped from this course. Do not be late to class. If you are not present when role is taken you will be marked absent, it is your responsibility to inform me if you arrive after role has been taken.

Homework: Homework is to be done on standard notebook paper. If using a spiral notebook please tear off the shredded edge. Homework will have two parts. The first part will consist of odd numbered problems for which the answers are available in the back of the book. It will be graded based on completeness. To be complete the problems need to be written down as they are given in the book (except word problems), all important steps must be shown (show work as I do in class) and the solution must be given. The second part will consist of even numbered problems. It is to be done on a separate piece of paper and will be graded based on completeness and accuracy as time allows. Homework will be 25% of your grade.

Exams: The midterm exams will make up the majority of your grade in this course. In most cases a midterm exam will follow the completion of a chapter in the textbook and cover the material discussed in that chapter only. If appropriate a midterm exam may cover more or less than one chapter in the text. Midterm exams will be 65% of your grade.

Final Exam: There will be a comprehensive final exam at the end of this course. If you have 4 or fewer absences and 4 or fewer tardy marks at the end of the semester and if it helps you I will replace your lowest midterm exam score with your final exam score. The final exam will be 10% of your grade. The final exam date for this course is Wednesday May 18, 2015, 9:00 – 10:50 am.

Catagory	Weight
Homework	25%
Exams	65%
Final Exam	10%

Overall Percentage	Grade
90<100	A
80<90	B
70<80	C
60<70	D
0<60	F

Example of how to calculate your grade. If your homework average is 90, exam average is 78 and your final exam is 80, then you can compute your grade as follows:

$$(.25)(90)+(.65)(78)+(.10)(80)=81.2$$

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

Academic Dishonesty

Students at Reedley College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share the responsibility to ensure that this education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences ranging from a failing grade on a specific assignment to a failing grade in the course.