Math 11-50650/Math 211S-50651, Elementary Statistics

Reedley College

Fall 2019

Course Details

Instructor: Mr. Brad Deaver, brad.deaver@fresnocitycollege.edu

Classroom: FEM-7

Class Meets: T & Th 6:00 PM – 8:15 PM

Course Description

Math 11 is an introduction to statistical methods and techniques for business, behavioral, and social science majors. 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.

Course Materials

- Textbook: Elementary Statistics with MML (Ron Larson and Betsy Farber). Although having a *physical* textbook may be helpful, you do not need to purchase the *physical* textbook if you do not wish to. When you purchase the MML code (below), you will have access to the *digital* textbook.
- MML: My Math Lab is required. This is where you will complete your assignments. If it is not purchased by the end of week 1, you may be dropped from the class. The Course ID for this course is **deaver76725.** The instructions on how to register are on the Canvas page for this course in the file named *MyLab Student Registration Instructions.*
- Calculator: You will need a graphing calculator. The recommended calculator for this course is a TI-84. A TI-83 should also be sufficient.

Course Objectives

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

Course Policies

- College policies on attendance, illness, dropping a class, honesty, cheating, and other related areas are to be found in the Reedley College Catalog.
- Familiarize yourself with the material before coming to class so that the lecture fills in the gaps rather than seeing the material for the very first time.
- Participate in class as much as possible. Asking questions, discussing the work and helping each other out is encouraged.
- Please be prepared for class by having the necessary tools (e.g. text, writing utensil, paper, scientific calculator, and completed assignments)
- Technology can be incredibly useful in helping to understand and solve problems but it can also be very distracting. Please use electronic devices responsibly and appropriately during class. Unless instructed otherwise, cell phone/tablets/laptops are not to be used during tests.

Grading:

Your grade will be calculated from the following weighted categories.

Category	Weight
Tests/Quizzes	60%
Assignments	30%
Participation	10%

Your letter grade will be assigned according to the table below.

Grade	Percentage
A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

Assignments:

Assignments may consist of in-class, out-of-class, paper-pencil, and online work.

Homework assignments will consist of mainly online exercises. Any paper/pencil assignments will generally be due on the next day the class meets. The online exercises are to be completed at the MyMathLab website by the due date indicated on the site.

LATE ASSIGNMENTS WILL ONLY BE ACCEPTED AT THE DISCRETION OF THE INSTRUCTOR.

Consistent and timely completion of the homework assignments is essential to your successful completion of this course.

Note: When working online, you do not need to complete an entire assignment in one session. You can stop anywhere in the assignment by hitting the 'Submit' icon and saving your work. You can then come back to it any time before the deadline to finish.

Tests/Quizzes:

There will be a test at the completion of each chapter as well as a comprehensive final exam at the completion of the course. Mid-chapter and pop quizzes will also be part of this category. Unless otherwise instructed, all tests and quizzes are to be completed during class.

Accommodations:

If you have special needs that may require adjustments to classroom or testing situations, please contact Disabled Students Programs and Services. Then inform me of your approved accommodations. The DSP and S program is located in the New Administration building. You will need to provide written documentation of your disability. If you think you have a learning disability but are not sure, DSP and S may also be able to assist you. All information will be kept confidential.

Drop Deadlines:

8/23/2019	– last day to drop a full-term class for full refund
8/30/2019	– last day to drop a full-term class to avoid a "W" in person
9/2/2019	– last day to drop a full-term class to avoid a "W" on WebAdvisor
9/13/2019	– last day to change a Fall 2019 class to/from Pass/No-Pass grading basis
10/11/2019	– last day to drop a full-term class (letter grades assigned after this date)

Note:

The syllabus and assignment calendar for this course is subject to change at the discretion of the instructor. If so, it will be announced as soon as possible.

"Mathematics is the language with which God has written the universe" - Galileo Galilei (1564 - 1642)