



Course Syllabus - Math 311 - Spring 2010

Statistical Concepts and Methods

9:00 - 9:50AM / MTWR / BOUILLON 106 – F / BOUILLON 103

Professor:	Dr. Jane Whitmire
Email:	whitmire@cwu.edu
Phone - Office:	509-963-2268 Bouillon 123
Office Hours:	MTWR 2-2:50PM
Textbook:	Introduction to the Practice of Statistics
Author:	David s. Moore and George P. McCabe
Prerequisites:	Finite Mathematics / Math 130

Course Description

This course is an introduction to statistical methods for analyzing data. The course is intended primarily for students in disciplines outside of mathematics who are seeking statistical tools for data analysis. After some experimental design issues and an introduction to graphical and numerical methods of exploratory analysis, the course will focus on probability distributions, relationships between variables, statistical inference through estimation, hypothesis testing, and confidence intervals, categorical data, and linear regression.

Calculators

Calculators may be used on homework, quizzes, and exams. When a calculator is used in solving a problem, it is the student's responsibility to correctly operate the calculator and to demonstrate an understanding of the solution by providing appropriate written detail. Exams will assume each student owns, brings, and uses a calculator comparable to a TI-83.

Students are responsible for:

- (1) At least 2 hours homework and review for each class hour - or however long is necessary for understanding
- (2) Checking grades on Blackboard
- (3) Announcements made in class
- (4) Reading aligned textbook chapters before beginning assignments.
- (5) Completing assignments and lab reports by the due date and time.

Homework

Daily homework will be assigned, but not collected. As assigned problems form the basis for exams, it is to your advantage and responsibility to keep up with the homework.

Attendance

Daily attendance is expected and necessary for success. Bring the text to each class meeting. You are responsible for any announcements made during class regarding homework and exams. After the second absence, one percent is deducted from the overall course grade for each day absent. The only exception to this rule is a Central Washington University sponsored club or sports activity. In this event, an email or letter from the CWU official coordinator is required.

Labs

Lab sessions will be held on Fridays. There will be NINE lab reports each due the following week and at the beginning of class - 9am. No late lab reports will be accepted under ANY conditions. To account for possible emergencies, the lowest lab score will be dropped prior to finalizing the overall grade.

Exams

Four exams will be administered. Exam dates are Thursday April 8, April 22, May 6, and May 20, 2010. Exams are comprehensive. Completing the exam in the time allotted is part of the exam. Taking an exam is an important part of the course. Nevertheless, scheduling complications sometimes occur. An alternate procedure for taking an exam due to a scheduling complication must be arranged in advance. No make-up exams will be given.

Final Exam

The final MUST be taken to pass the course. The final is comprehensive. Completing the final in the time allotted is part of the final. The final exam for Spring 2010 is Friday June 4, 2009 from 8 am to 10 am. This is NOT the time scheduled by the university. Meet with the professor, in advance, if there is a time conflict.

Grading

Everyone is graded the same way. NO EXCEPTIONS. Letter grades A/A-/B+/B/B-/C+/C/C-/D+/D/D-/F are based on a strict 93-100/90-92.9/87-89.9/83-86.9/80-82.9/77-79.9/73-76.9/70-72.9/67-69.9/63-66.9/60-62.9/BELOW 60 cutoff. Grades are not rounded either up or down.

Keep all exams, homework, and lab reports for study. An estimated course grade is calculated on Blackboard and can be verified at any time using the following proportions:

<i>Exams</i>	→ 60%
<i>Labs</i>	→ 20%
<i>Final</i>	→ 20%

Special Needs Statement

Students with disabilities who wish to set up academic adjustments in this class should provide a copy of their "Confirmation of Eligibility for Academic Adjustments". Eligible students without this form should contact the Disability Support Services Office by visiting Bouillon 205, emailing dssrecept@cwu.edu, or calling the phone number 509-963-2171.