

# CENTRAL WASHINGTON UNIVERSITY

Course Syllabus: Math 311 Spring 2009

Statistical Concepts and Methods

9:00 - 9:50AM

MTWR / HERTZ 118 – F / BOUILLON 103

Professor: Dr. Jane Whitmire  
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Office Hours: M 10-11AM, W 10-11AM, R 2-2:50PM  
Textbook: Statistics for Business and Economics (Revised)  
Author: Anderson, Sweeney, and Williams  
Course Key: E5VD-TQNR-WWGG  
Prerequisites: Finite Mathematics

## 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 unless specifically announced otherwise in advance. 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 for accuracy;
- (3) all announcements made in class;
- (4) reading aligned textbook chapters before beginning assignments;
- (5) completing assignments by the due date and time

## Homework

Login to Aplia to complete homework assignments. No late homework will be accepted under any conditions. Instead, the two lowest homework scores will be dropped prior to finalizing the overall grade.

## Labs

Excluding exam dates, lab sessions will be held on Fridays. There will be seven lab reports each due the following week, by 10am, after the lab topic was introduced. The lab report will be due on the day of class during close week. No labs will be accepted under any conditions. Instead, the one lowest lab score will be dropped prior to finalizing the overall grade.

## Exams

Exam dates are Friday, April 17, 2009 and Friday, May 15, 2008. Exams are comprehensive and cover all material discussed in class since the previous exam. 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.

## Final Exam

The final MUST be taken to pass the course. The final is comprehensive, covers all material discussed in class, and is to be taken at the time scheduled by the University. Completing the final in the time allotted is part of the final. The final exam for Spring 2009 is Tuesday, June 9, 2009 from 8 am to 10 am.

## 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, quizzes, and other graded material for study and for verifying records on Blackboard. The course grade can be calculated at any time using the following proportions:

<i>Homework</i>	→ 30%
<i>Exams</i>	→ 30%
<i>Labs</i>	→ 10%
<i>Final</i>	→ 30%

## Special Needs Statement

As soon as possible, 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](mailto:dssrecept@cwu.edu), or calling the phone number 509-963-2171.