

Course Syllabus - Math 311 - Fall 2011
Statistical Concepts and Methods
9:00 - 9:50AM / MTWR Black 113 / F Bouillon 103

Professor:	Dr. Jane Whitmire
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Phone - Office:	509-963-2268 Black Hall 225-32
Office Hours:	TR: 10-10:50 MF: 10:10-10:50 AM
Textbook:	Discovering Statistics
Author:	James S. Hawkes / William H. Marsh
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, 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.
- (6) Bringing a calculator, textbook, paper, and pencil to class each day.

Homework

Daily homework will be assigned, scored online, but not collected. Assigned homework problems and READING form the basis for quizzes and exams. Homework that is one day late will receive no more than 90 percent of the possible points. Homework that is more than one day but less than two days late receives up to 80 percent of the possible points. No homework is accepted after two days past the due date. View the course schedule on Blackboard to monitor due dates. If you are going to be absent or out of town, do your homework in advance. Homework for the entire course is available from September 20, 2011 until December 7, 2011. Download the Hawkes software to begin. Hawkes customer support: 1-800-426-9538 or customersupport@hawkeslearning.com

Quizzes

Quizzes will be administered frequently and at random. Use each quiz as an aide to self assess understanding of homework material and reading. It is the responsibility of the student, with written excused absence, to make up a quiz during office hours within one week of administration. After this delay, solutions to the quiz will be posted on Blackboard. Once solutions are posted, it is not possible to make up a quiz.

Attendance

Daily attendance is expected and necessary for success. You are responsible for any announcements made during class regarding homework, quizzes, and exams.

Labs

Lab sessions will be held on Fridays. There will be 9 lab reports. Each lab report is due at the beginning of class, the following week. No late lab reports will be accepted under ANY conditions.

Exams

Three exams will be administered. Exam dates are Monday October 10, October 31, and November 21, 2011. 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 Fall is Wednesday, December 7, 2011 from 8 am to 10 am. This is NOT the time scheduled by the university. If there is a time conflict, meet with the professor in advance to make arrangements to take the final at an earlier date and time.

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.

30 HLS Homework Assignments @ 7 points each	→	210
3 Exams @ 100 points each	→	300
9 Labs @ 10 points each	→	90
20 Quizzes @ 10 points each	→	200
Final	→	200

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.