

Central Connecticut State University
Department of Mathematical Sciences

Course Syllabus

BUSINESS STATISTICS II (Stat 201)

Fall 2010

Required Text: STATISTICS FOR BUSINESS AND ECONOMICS by:
David Anderson, Dennis Sweeney, Thomas Williams
West Publishing Company, 2008, Tenth Edition.

Instructor: Dr. Crouse
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Office Hours:

Monday	Wednesday	Friday
9-10	9-10	
12-1	12-1	12-1
And by appointment		

Prerequisites: A grade of C⁻ or higher in Stat 200

Students For Whom Course Is Intended: Business Statistics II, Stat 201, is designed to meet the needs and Pre-Business requirements of all students majoring in programs in the School of Business.

Course Description: Application of statistical methods used for a description and analysis of business problems. The development of analytic skills in inferential, descriptive and exploratory statistics is enhanced by use of Excel. Major statistical techniques are applied to a variety of managerial decision problems.

Course Objective: To understand and appreciate the strengths, limitations and usefulness of general statistical methods used in the collection, presentation, analysis and interpretation of business data. This is accomplished through the development of formal analytic skills for recognizing and formulating statistical problems in business decision making.

Course Overview: In our examination of the statistical methodology used in business applications, lecture, discussion and problem solving will be included. You are expected to assume responsibility for reading chapter 10 through 16. Emphasis will be on problem solving.

All the even numbered problems in the chapters covered are assigned. Doing the problems is essential for understanding the methodology and passing the tests. Particular attention should be given to the problems called Self-Test Exercises.

Attendance Policy: You are expected to attend and participate in all class sessions. You are responsible for all reading material assigned during the course of the semester, the content of the text and lectures, all assignments, and all materials distributed during the class sessions whether you are in attendance or not.

NOTE: October 25 IS THE LAST DAY TO DROP FULL SEMESTER COURSES With AUTOMATIC "W" ON YOUR RECORD

Excel will be used for the computer projects.
You must have a hand calculator for the tests.

The tentative course schedule is given below. The list of computer assignments will be given in class. Note that you are also responsible for completing all even numbered problems in all the assigned chapters as stated above.

	Topics	Readings
<u>WEEK OF</u> 8/33	Review Statistical Inference about Means and Proportions With Two Populations	Chapters 8,9 Chapter 10
<u>WEEK OF</u> 9/6	Statistical Inference about Means and Proportions With Two Populations	Chapter 10
<u>WEEK OF</u> 9/13	Inferences about Population Variances	Chapter 11
<u>WEEK OF</u> 9/20	Tests of Goodness of Fit and Independence	Chapter 12
<u>WEEK OF</u> 9/27	Simple Linear Regression and Correlation	Chapter 14

Examination I Chapters 10-12

<u>WEEK OF</u> 10/4	Simple Linear Regression and Correlation	Chapter 14
<u>WEEK OF</u> 10/11	Simple Linear Regression and Correlation	Chapter 14

Examination II Chapter 14

<u>WEEK OF</u> 10/18	Multiple Regression	Chapter 15
<u>WEEK OF</u> 10/25	Multiple Regression	Chapter 15
<u>WEEK OF</u> 11/1	Multiple Regression	Chapter 15
<u>WEEK OF</u> 11/8	Regression Analysis: Model Building	Chapter 16
<u>WEEK OF</u> 11/15	Regression Analysis: Model Building	Chapter 16
<u>WEEK OF</u> 11/22	Analysis of Variance and Experimental Design	Chapter 13
<u>WEEK OF</u> 11/29	Analysis of Variance and Experimental Design	Chapter 13

Examination III Chapters 15-16 and Chapter 13

<u>WEEK OF</u> 12/6	Analysis of Variance and Experimental Design	Chapter 13
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WEEK OF 12/13 **Final Exam**, Chapters 8-16

The final exam will be given December 11-17, in accordance with the examination schedule. The examination schedule follows this syllabus.

Additional problems and special topics may be covered as time permits.

Evaluation Plan

Examinations 1, 2, and 3	60%
Final examination (comprehensive)	40%

Computer assignments and homework problems must be completed with a grade of satisfactory; otherwise, a grade of incomplete will be earned.

NOTE: NO MAKEUP EXAMINATIONS WILL BE GIVEN !

If you need course adaptations or accommodations because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible. My office location and hours are:

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