

SYLLABUS

Stat 201-08 Business Statistics II

Department of Mathematical Sciences

Fall 2010

READ THIS SYLLABUS CAREFULLY. YOU ARE RESPONSIBLE FOR KNOWING THIS INFORMATION!

Prerequisite: STAT 200 or equivalent (C- or higher).

Course Description: Application of statistical methods used for a description and analysis of business problems. The development of analytical skills is enhanced by use of one of the widely available software packages (Excel). Topics include continuation of hypothesis testing, multiple regression and correlation analysis, residual analysis, variable selection techniques, analysis of variance and design of experiments, goodness of fit, and tests of independence. No credit given to students with credit for STAT 216, 416 or 453.

Instructor: Dr. Darius M. Dziuda

Office: 106 Marcus White

Office Hours: Tues 12:30 – 2:00

Thurs 12:30 – 2:00, 3:15 – 5:15

Other times by appointment

Office Phone: (860) 832-1940

Email: dziudadad@ccsu.edu

Textbook: *Statistics for Business and Economics, 10e* by Anderson, Sweeney, Williams.

Class Meeting Times: TR 2:00 pm – 3:15 pm, RVAC 006

Course Requirements:

- Attend and participate in class; complete homework assignments; take quizzes and tests, as scheduled. For this course, you are expected to put in at least 6 hours of work outside of class each week. *If you are unable to make this kind of commitment, you should drop this course now!*
- **All even-numbered problems in the chapters covered are assigned as homework.** Doing the problems is essential for understanding the methodology and passing the tests.

PC Account: A PC account is essential for this course. **Excel** will be used for the computer projects. Course materials will be uploaded to **Vista**. You must have a hand calculator for the tests.

Examinations:

- Two exams and Final Exam. Dates will be announced at least one week ahead of time. Final exam covers entire course and will be given as scheduled by the University on December 16, 2:00 pm – 4:00 pm.
- Make-up examinations may be allowed only for medical reasons or other legitimate extenuating circumstances beyond the student's control. Documentation may be required. Under no circumstances will a make-up exam be given after the next class meeting.
- There will be occasional quizzes/projects given in class or assigned as take-home problems. No make-up quizzes will be allowed.

Final Grade: Based on quizzes/projects (all of them combined count as no more than 100 points), two exams (100 points each), and the Final Exam (150 points). An incomplete will be given only to students with a passing grade who miss the Final Exam for reasons beyond their control (documentation required).

Cell phones and other communication or personal electronic devices: Must be turned off at all times during class.

University Policies:

1. You must take the final examination at the time specified in the course selection book.
2. Please contact me privately to discuss your specific needs if you believe you need course accommodations based on the impact of a disability, medical condition, or if you have emergency medical information to share. I will need a copy of the accommodation letter from Student Disability Services in order to arrange your class accommodations. Contact Student Disability Services, room 241, Copernicus Hall if you are not already registered with them. Student Disability Services maintains the confidential documentation of your disability and assists you in coordinating reasonable accommodations with your faculty.
3. In the event of a weather emergency which requires curtailment or cancellation of classes, listen to WTIC (1080 AM) or call (860) 832-3333 for the “general snow message.”
4. The last day to withdraw from a course is October 25. Approvals for withdrawal are not required; however, it is strongly recommended that students consult with their academic advisors prior to deciding to withdraw. Cessation of attendance, notice to the instructor, or telephone calls to the Enrollment Center are not considered official notice of a student’s intention to drop the course. After October 25 withdrawals are allowed only under extenuating circumstances and require approval of the course instructor, department chair and dean of the School of Arts and Sciences. Poor academic performance is not considered an extenuating circumstance.
5. You are responsible for understanding and abiding by the University’s policy on academic integrity. Information on the policy may be found at <http://www.ccsu.edu/AcademicIntegrity/>. This policy is rigorously enforced by the Department of Mathematical Sciences.

Resources Available:

1. If you need help, take advantage of your instructor's office hours. Do not wait until just before the first test to do so.
2. The Learning Center is located in Rooms 241 and 242, Copernicus. Free tutoring is available. A schedule for hours the Center is open will be posted soon after the beginning of the semester.
3. Form a study group with other students in your section. Explaining solutions to homework problems to each other is a good way to learn.
4. A list of private tutors for hire is available in the math department office, Room 107 Marcus White, 832-2835.

Evaluation

Minimum averages have been established for each of these grades:

A	93%	B+	87%	C+	77%	D+	67%
A-	90%	B	83%	C	73%	D	63%
		B-	80%	C-	70%	D-	60%

The tentative course schedule is given below.

Please note that Readings for each topic include the textbook chapter, your class notes as well as slides and Excel examples presented in the class. The slides and Excel files will be uploaded to Vista.

Week #	Topics	Readings
1	Review 1 & 2 of STAT 200. Normal distribution. Sampling Distribution of the Mean. Central Limit Theorem. Confidence Intervals.	Chapters 7, 8
2	Review 3 of STAT 200. Hypothesis Testing	Chapter 9
3	Statistical Inference About Means and Proportions With Two Populations	Chapter 10
4	Statistical Inference About Means and Proportions With Two Populations	Chapter 10
5	Inferences about Population Variances	Chapter 11
6	Preparation to Exam 1	
7	Exam 1 (Chapters 10 & 11). Test of Goodness of Fit and Independence.	Chapter 12
8	Test of Goodness of Fit and Independence.	Chapter 12
9	Simple Linear Regression	Chapter 14
10	Simple Linear Regression	Chapter 14
11	Multiple Regression	Chapter 15
12	Multiple Regression.	Chapter 15
13	Preparation to Exam 2. Exam 2 (Chapters 12, 14, 15).	
14	Analysis of Variance.	Chapter 13
15	Analysis of Variance. Preparation to Final Exam.	Chapter 13
16	Final Exam (Chapters 10 – 15) December 16, 2:00 pm – 4:00 pm	