Summer.
Dealy Hall-Room 117-I
Office hours: MTW 4.00-6.00 pm

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Required Text:
South-West and Cengage Learning Publishers
ISBN-10: 0-538-45219-6

Course Objective: The primary objective of this course is to develop an understanding of elementary statistical theories and concepts. This course has a prerequisite of one semester of Calculus and/or Finite Mathematics. The examples used throughout the lectures will be geared toward economic and business thinking.

Class Policy: Students will be responsible for everything covered in class, whether or not you attend. Attendance will be taken regularly and will be calculated as part of the participation grade. Unexcused absences, use of cell phones in class, disruptive behavior and lateness to class will be counted against your participation grade. Unapproved absences will be scored at zero. Occasionally, additional reading material will be handed out in class.

Course Grades: Midterm 40%
                Homework 10%
                Final 50%

Examinations: No make-up Exams will be given. Absence from a midterm or final exam means a failing grade unless there are compelling circumstances. These exams will be taken in class, focusing mainly on issues discussed during lectures.

Homework: Students are expected to hand in their homework assignments. Any assignment turned in late will be penalized half a letter grade for each day late. There will be random quizzes during the Semester. In addition, exercises will be assigned for each chapter to be discussed in class. Working together on homework assignments can be helpful, but copying another student's assignment is cheating.
OUTLINE:

Part 1: BUSINESS STATISTICS: INTRODUCTION AND BACKGROUND

   Chapter 1. A preview of Business Statistics
   Chapter 2. Visual Description of Data
   Chapter 3. Statistical Description of Data
   Chapter 4. Data Collection and Sampling Methods

Part 2: PROBABILITY

   Chapter 5. Probability: Review of Basic Concepts
   Chapter 6. Discrete Probability Distributions
   Chapter 7. Continuous Probability Distributions

Part 3: SAMPLING DISTRIBUTIONS AND ESTIMATION

   Chapter 8. Sampling Distributions
   Chapter 9. Estimating from Sample Data

Part 4: HYPOTHESIS TESTING

   Chapter 10. Tests involving a Sample Mean or Proportion
   Chapter 11. Tests involving Two Sample Means or Proportions