PREREQUISITES:

University Requisite: MATH 1200 or 1300 or 2301 or Math placement level 2 or higher and WARNING: not COMS 3520 or ECON 3810 or MATH 2500 or QBA 2010

No credit if MATH 251, MATH 2500, PSY 120, PSY 1110, QBA 201, QBA 2010, COMS 301, COMS 3520, ECON 381, or ECON 3810 have already been taken.

COURSE OVERVIEW:

Introduction to descriptive and inferential statistics with emphasis on inferential statistics.

METHODS OF COURSE INSTRUCTION:

All material for this course is print-based. Instructor and students communicate and exchange materials through postal mail. You may submit your assignments as e-mail attachments, but your graded assignments will be returned to you by postal mail.

TEXTBOOKS AND SUPPLIES:


NUMBER OF LESSONS:

The course has 14 lessons, including two quizzes, a midcourse examination, and a final examination. These lessons include:

- Lesson 1: Introduction; Basic Concepts; Displaying Data
- Lesson 2: Measures of Central Tendency; Measures of Variability; The Normal Curve
- Lesson 3: Probability; Sampling Distributions and Hypothesis Testing
- Lesson 4: Review/Quiz/Exam
- Lesson 5: Hypothesis Tests Applied to Means: One Sample; Hypothesis Tests Applied to Means Two Related Samples, or t-test for Related Samples, or t-test for Repeated Measures
- Lesson 6: Hypothesis Tests Applied to Means; t-test for Two Independent Samples; Power
- Lesson 7: Midcourse Examination
- Lesson 8: One-Way Analysis of Variance or ANOVA; Repeated Measures Analysis of Variance or ANOVA
• Lesson 9: Two-Way Analysis of Variance or Factorial ANOVA
• Lesson 10: Review/Quiz/Exam
• Lesson 11: Correlation; Regression, the Standard Error of Estimate and $r^2$
• Lesson 12: Multiple Regression, Multiple Correlation and Partial Correlation
• Lesson 13: Chi Square; Choosing the Appropriate Analysis
• Lesson 14: Final Examination

Please note some lessons are divided into multiple parts.

TYPES OF WRITING ASSIGNMENTS:
A total of 14 assignments are required to complete this course (ten actual lesson assignments, two review quizzes [considered as Lessons 4 and 10], and a midterm and final exam = 14 total). The midterm exam is considered as Lesson 7 and the Final exam is Lesson 14.

GRADING CRITERIA:
The actual grading in this course is based on the total points earned through the 14 assignments, quizzes, and exams:

1. The number of correct answers (points) on the ten submitted lesson assignments (Lessons 1, 2, 3, 5, 6, 8, 9, 11, 12, and 13).
2. The number of correct answers (points) earned on the two review quizzes/exams (Lesson 4 and Lesson 10)
3. The number of correct answers (points) earned on the Midterm Exam (Lesson 7)
4. The number of correct answers (points) earned on the Final Exam (Lesson 14).
5. There are a total of 1540 points to be earned in the course. Grading is on a 12-point scale and will be as follows:

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<th>Grade</th>
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<td>A</td>
<td>1425–up</td>
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<td>1375–1424</td>
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