Course: ECON 210-002C  
Instructor: Dr. Artz  
Room: Sage 4234  
Lecture: Monday, Wednesday, Friday  
9:10 am – 10:10 am  
Office: Sage 2412  
Phone: 920-424-2190  
E-mail: artzb@uwosh.edu  
Office hours: Monday and Wednesday  
12:00 pm – 1:30 pm

Contact Information:

E-mail should always be your first choice when attempting to contact me as it is the most reliable. Please feel free to stop by during my office hours with any questions you may have. If my office hours are not conducive to your schedule, please e-mail me and we can set up an appointment at another time during the week.

Course Overview:

This course is intended to introduce students to the statistics principles that are commonly seen in business related disciplines and careers. Skills in statistics are crucial to understanding economic and business conditions and are necessary for students to be successful in related fields. This course will provide you the opportunity to learn and practice these valuable skills through lecture, application and practice.

Required Course Materials:

1) Textbook: The Core Concepts of Economic and Business Statistics by M. Ryan Haley, Nancy J. Burnett, Chad D. Cotti and M. Kevin McGee. We will be using the Artz version in this course.
2) Calculator: You should have a working knowledge of a reliable calculator that can at least calculate square roots.
3) D2L: All of the course information including the textbook, exam grades, homework material and practice material will be posted here.

Grading Scheme:

| All course grades are rounded to the nearest percent and are assigned along the following curve: |
|---|---|
| A: 92 – 100% | C: 72 – 76% |
| A-: 90 – 91% | C-: 70 – 71% |
| B+: 87 – 89% | D+: 67 – 69% |
| B: 82 – 86% | D: 62 – 66% |
| B-: 80 – 81% | D-: 60 – 61% |
| C+: 77 – 79% | F: < 60% |
| In-class Quizzes: 15% |
| Homework: 5% |
| Midterm exams: 25% each |
| Final exam: 30% |

In-class Quizzes:

There will be 12 short unannounced quizzes throughout the semester. The two lowest quiz scores will be dropped from the course grade calculations, leaving the average of the ten best scores to count as the 15% portion of the course grade. The dropped quiz scores are designed to cover emergencies that arise unexpectedly and prevent you from attending class. As such, quizzes cannot be made up and there will be no allowable excuse as reasoning for a makeup quiz. You will be allowed to use your class notes (not the book) and a calculator during the quiz.
Homework:

Homework will be assigned every other week on Fridays, and each homework will be due the next Friday homework is assigned. Please see the course schedule below for homework assignment due dates. The objective of homework is to prepare you for the exams, so it is in your best interest to put some effort into completing the take-home assignments. The homework counts as 5% towards your course grade.

Exams:

There will be two mid-term exams (each worth 25% of the course grade) as well as one final exam on the last day of classes. Exams are scheduled well in advance and cannot be made up except in the case of severe and documented emergencies. All relevant statistical tables will be provided on exam day and you will be allowed to bring notes to the exam that cannot exceed one 8.5” x 11” piece of paper (one side only) in size. Please understand that having a note-sheet does not guarantee the exams will be easy. Questions on each exam will be multiple-choice and the final exam will be comprehensive.

Pre- and Post- Tests

You will have access to a pre-test, which is used to assess your preliminary knowledge of statistics, and a post-test, which is used to assess how the course has improved your knowledge of statistics. Both tests are accessed through D2L, are short in length, and should not take too much time to complete. In order to provide incentive to complete both tests, you will be given one extra credit percentage point if you score between 70% and 79% on the post-test. You will be given two extra credit percentage points if you score 80% or above on the post-test. These percentage points are applied to your course grade, so if your earned course percentage is 70%, but you score 80% on the post-test, then you will have a revised course percentage of 72%. The pre-test will be available during the first two weeks of the semester and the post-test will be available during the last two weeks of the semester. Be aware that you can only be eligible for the extra credit if you complete BOTH the pre-test and post-test within the allotted weeks.

Attendance and Classroom Behavior:

Attendance is not required but is generally necessary to perform well in the course. You should arrive to class on time and be prepared to begin promptly at 9:10 am. Cell phones must not be used during class as their operation tends to be disruptive.

Course Outline: (Tentative and subject to change)

Chapter 1: Data and Statistics (Feb 1: HW 1 distributed)
Chapter 2: Tabular and Graphical Statistics
Chapter 3: Numerical Descriptive Statistics (Feb 15: HW 1 due and HW 2 distributed)
Chapter 4: Basic Probability and Counting
Chapter 5: Discrete Probability (March 1: HW 2 due and HW 3 distributed)

**Exam One:** Monday, March 4
Chapter 6: Continuous Probability (March 15: HW 3 due and HW 4 distributed)
Chapter 7: Sampling Theory
Chapter 8: Confidence Intervals (April 5: HW 4 due and HW 5 distributed)

**Exam Two:** Wednesday, April 10
Chapter 9: Hypothesis Tests for One Parameter (April 19: HW 5 due and HW 6 distributed)
Chapter 10: Hypothesis Tests for Two Parameters
Chapter 11: Regression Analysis (May 3: HW 6 due)

**Final Exam:** Friday, May 10