

Summer I, 2014

ECON 3790

Statistics for Business and Economics

Lecture: Room 2205 WCBA Time: MTWR 08:00 – 10:15

Lab: Room 1107 WCBA Time: TR 10:30 – 11:40

Instructor: Dr. Ou Hu
Office Phone: 330-941-2061
e-mail: ohu@ysu.edu

Prerequisite: Math 1549, 1552, 1570 or 1571.

Objectives:

- 1: To familiarize students with the basic statistical concepts and tools.
- 2: To provide the students with basic knowledge in empirical statistical analysis.

Textbook:

D.R.Anderson, D.J.Sweney, and T.A.Williams, *Statistics for Business and Economics, 11th edition*).

Evaluation:

Assignments: There will be weekly assignments in this course. *Although the assignments will not be graded, it is strongly suggested that students do their homework to reinforce their understanding of the materials.*

Quizzes: A take-home quiz will be given every week (except the last week) and will cover material taught during that week. There will be no make-up for quizzes. So, if you miss any quiz for any reason, a grade of zero will be given to that quiz.

Mid-term Tests and Final Examination: There will be three midterm tests and one final examination. The midterm tests and the final exam will consist of multiple choices and problem sets. The final exam will be *cumulative*.

If you miss any midterm test for any reason, you will simply be excused from that test and the weight of the missed test will be shifted to your cumulative final exam. It is conceivable, although highly recommended against, only taking the final exam in this course. Everyone must take the cumulative final exam. No make-up tests will be given for any midterm or the final exam!

The dates of the examinations are listed in the tentative class schedule and will not be changed without prior notice. Please note that the last day for withdrawing with a grade of 'W' is Thursday, June 12th, 2014.

Grading Policy: In the lecture, you will be graded on quizzes, 3 midterm tests, and one final exam. In addition, you will also be evaluated on your lab work. The weights are as follows:

Quizzes	17%
Midterm Test 1	17%
Midterm Test 2	17%
Midterm Test 3	17%
Final Exam	17%
Lab (Excel workshop)	15%
Total	100%

The following is your lab grade allocation:

Quizzes	40%
Midterm Test (June 5)	30%
Final Exam (June 24)	30%
Total	100%

Your final grade in the class will be determined by the following scale:

A	≥ 85 pts
B	75 to 84 pts
C	65 to 74 pts
D	55 to 64 pts
F	≤ 54 pts

The grading policy above is FINAL. There will be *no curve* for quizzes, exams or final grades. Moreover, no argument will be allowed to change your final grade just because you are "close" to the cutoff for the next letter grade. Remember, professors do not GIVE grades, they just keep track of the grades that you have EARNED.

Attendance Policy:

Regular class attendance is encouraged for successful completion of the course. Attendance (taken randomly) will either help or hurt marginally, either way at maximum of 5 points, in the determination of final grade. *If you miss class, my lecture notes are not available for students.* Please get missed notes from your classmates.

Tentative Schedule

05/19	Introduction. Chapter 1: Data and Statistics. Chapter 2: Descriptive Statistics
05/20	Chapter 2 Cont. Chapter 3: Numerical Methods.
05/21	Chapter 3 Cont.
05/22	Chapter 4: Introduction to Probability.
05/27	Chapter 4: Cont.
05/28	Chapter 5: Discrete Probability Distribution.
05/29	Chapter 5: Cont. Midterm 1 (Chapters 1,2,3,and 4).
06/02	Chapter 6: Continuous Probability Distribution.
06/03	Chapter 6 Cont.
06/04	Chapter 7: Sampling Distribution.
06/05	Chapter 7 Cont. Chapter 8: Interval Estimation.
06/09	Chapter 8 Cont.
06/10	Chapter 9: Hypothesis Testing.
06/11	Chapter 9: Cont. Chapter 10: Statistical Inference for Two Populations.
06/12	Chapter 12: Goodness of Fit Test. Midterm 2 (Chapters 5, 6, 7 and 8).
06/16	Chapter 13: ANOVA.
06/17	Chapter 13 Cont.
06/18	Chapter 14: Linear Regression.
06/19	Chapter 14 Cont. Midterm 3 (Chapters 9, 10, 12 and 13)
06/23	Chapter 15: Multiple Regression.
06/24	Chapter 15 Cont.
06/25	Chapter 17: Index Numbers. Final Exam Review
06/26	Final Exam (cumulative): 08:00-10:00

Classroom Disciplines: Any kind of disruptive behaviors in the classroom are **strictly prohibited**, such as (*but not limited to*) being loud and using cell phones. As it is stated clearly in the YSU student codes, "...Students will be expected to respectfully listen to the voices of other individuals and share their own opinions and values in a positive, respectful manner. Students and the instructor are expected to treat each member of the class with respect and civility...". Upon demonstrating disruptive behaviors, students will be asked to leave the classroom immediately and may not return until the next scheduled class, and will also be reported of misconduct to the Office of Student Life. The disruptive students will receive a grade of zero for any work missed during class. *There will be no exceptions.*

Academic Integrity Policy:

This course will adhere to the university's policy on academic integrity. Academic dishonesty is any violation of academic integrity and consists of, but is not limited to: Plagiarism, copying answers or work done by another student either on an exam or assignment, allowing another student to copy from you, and using unauthorized materials during an exam. The instructor reserves the right to determine appropriate sanctions and penalties for academic dishonesty, which may range from zero credit for falsified work to automatic failure in the course.

Disability Policy:

In accordance with University procedures, if you have a documented disability and require accommodations to obtain equal access in this course please contact me privately to discuss your specific needs. You must be registered with the Disability Services Office and provide a letter of accommodations to verify your eligibility. The Disability Services Office is located in Wick House and the phone number is (330) 941-1372.

Extra Help Resources:

First of all, I strongly encourage students to make the best use of my office hours for any questions regarding the course materials. Students may also seek help from the teaching assistant – Tyler Kelley. Moreover, the Center for Student Progress is a resource on YSU Campus established to help students successfully complete their university experience. Please phone (330) 941-3538 or visit the Center for assistance in tutoring, or for individualized assistance with social and academic success. The main Center is located in Kilcawley West under the bookstore.