

**ECON 3406, section N01 – BUSINESS STATISTICS II – Spring 2017.
CRN: 10559. Meets: Online.**

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Office Hours: M, W: 8 - 9am, 1 - 5pm, or by appointment. Room: 1317.

VERY IMPORTANT:

After reading this syllabus, you should register and login to the course website and textbook using the McGraw-Hill, “MH Campus” link found in CourseDen (inside “start here”). After you click on the MH Campus, select “Connect” and select your textbook: “Statistical Techniques in Business & Economics, 16th Edition. Author: Lind.” You may access the course by paying immediately, submit a code you may have purchased at the bookstore, or pay later during a fifteen-day grace period. If you do not pay by the end of the grace period, you will not have any additional time to pay and you will have no option but to drop the course.

If you took Econ 3402 and used the same website for assignments, you don’t need to pay again. Just use your assigned id and password.

COURSE INFORMATION: This is a 100% online course. However, it is not a “work-at-your-own-pace” type of course since there are specific dates to take tests and complete assignments. If you anticipate having problems submitting work on time and/or taking tests on the specific dates provided, you should not take this course. There will not be a change in those dates to either earlier or later dates.

Every test needs to be recorded using “Tegrity,” a recording software included in the textbook website (McGraw-Hill Connect). To test your computer and webcam system, you must submit a syllabus quiz, which is worth 2% of your grade, following the instructions that will appear in D2L. This quiz should be taken by Saturday of the second weekend of classes (1/21). **If you do not submit this quiz and do not record it, you will be automatically dropped from the course.** In case you cannot record yourself taking the quiz, you must take it on Friday (1/20) at 9am, in the Economics Department next to my office. You may also take it proctored, using a computer, at a facility near you authorized by UWG in advance. However, you need to contact me as soon as the semester starts, so you can submit the required paper work.

To submit the syllabus quiz and subsequent tests, you must use your computer along with a webcam and microphone. To record a video using Tegrity, your computer must have at least 4GB of RAM.

REQUIRED TEXT: Statistical Techniques in Business & Economics, 16th Edition. Authors: Lind, Marchal, Wathen. Buy the textbook using the “MH Campus” link, inside the “start here” module in D2L. All assignments, including the tests, will be submitted at this website.

COURSE DESCRIPTION: Course emphasis is on applications of statistics in business. Topics include:

- Review of important statistics concepts such as mean, median, variance, standard deviation, scatter plots, normal probability distribution, standard normal probability

distribution, Z scores and Z table reading, sampling distribution of the mean, the central limit theorem, estimation and confidence intervals.

- Review and in-depth coverage of hypothesis testing.
- Two-sample tests of hypothesis, analysis of variance.
- Review and in-depth coverage of correlation and linear regression.
- Multiple regression analysis.

PREREQUISITES: MATH 1111 or MATH 1113, CISM 2201 and a 2.0 minimum GPA.

EXPECTED LEARNING OBJECTIVES

Students will:

- Use continuous probability distributions and sampling distributions in a variety of business applications. (LG2, LG3, LG6, LG12)
- Construct and interpret interval estimates (LG2)
- Perform hypothesis testing for one and two samples
- Estimate regression models, evaluate the results of regression models, and use the results for prediction and forecasting. (LG2, LG3, LG12)
- Use Microsoft Excel to generate descriptive statistics and perform regression and correlation analysis (LG2, LG3, LG12).

Note: A complete list of expected learning goals (LG) for the Economics Department can be found at the department web site (<http://www.westga.edu/econ/1718.php>).

“CONNECT” ASSIGNMENTS: At the textbook website, you will be required to complete two assignments: Homework and LearnSmart. A homework is assigned per chapter and it contains a set of questions based on exercises found in the textbook. It has no time limit and you will have up to two attempts to complete it. As you respond each question, you will have the option to verify whether it is correct or not. The highest grade will be recorded.

Important: a significant number of exercises found in both the homework and the tests must be solved using Excel. You need to have Excel 2013 or later version installed in your computer.

LearnSmart is also assigned per chapter and it contains a series of questions that review the most important material. I recommend you to complete this assignment before anything else. As you take this assignment, the textbook will be highlighted in the areas that you need to review and the correct answers are revealed. After you finish responding to all the questions, you'll have another chance to respond again to those that you submitted wrong the first time. That process repeats until you may get all the answers correct. A video demonstrating how to use Connect will be posted in D2L, “start here” module.

Clarification: part I of the course includes homework and learnsmart assignments for chapters 3, 7, 8 & 9. However, test 1 will cover only chapters 8 and 9.

Weights: eight percent for homework, five percent for LearnSmart. Both assignments are due by 8am on the day each test opens. Advice: complete assignments ahead of time. The deadlines will not be postponed regardless of reason.

TESTS: During the semester, you will be required to take a syllabus quiz and four tests. One after completion of each part of the course. Part I: review of chapters 8 & 9, part II: chapters 10 & 11, part III: chapters 12 & 13, and part IV: chapter 14 and regression assignment. All tests will be taken at the McGraw Hill (Connect) website using “Tegrity.” Please notice that the first test is based on chapters 8 & 9, but there will be homework and learnsmart assignments for chapters 3 and 7 to review important statistical concepts.

Rules to take the tests:

- You must have a webcam and microphone connected to your computer and focused on your face.
- You will be allowed to use any notes you want, but you have to take each test individually. Consultations with anybody else are not allowed. Keep in mind that your face and monitor are being recorded.
- Each test is available during three days (Thursday-Saturday). You may take it any time during those three days up until 11pm on Saturday (due by 11:59pm, Saturday). The dates will not be changed, regardless of reason.
- No make-up tests will be given, unless you have a valid excuse demonstrating inability to access a computer during those three days. For example, hospitalization requiring care in an ER or ICU.
- Duration of each test: one hour.
- If you are unable to use tegrity and record yourself taking the test, you have two other options: take it on Friday at 9am in the Econ. Dept. (by my office), or at a facility that offers proctoring services, which has been approved in advance by UWG.

Percent of final grade assigned to tests: 20 percent each.

REGRESSION ASSIGNMENT: Based on the material learned in chapter 14, you will be assigned an Excel regression exercise due by 8am on the first day of test 4, or final exam. The instructions and specific exercise will be posted in Connect right after test 3. Grade weight: 5%.

CHEATING: Academic dishonesty on any exam will result in a zero on that exam, a note recording the incident on the student's permanent record and the student reported to Student Services for appropriate disciplinary action by the University. Students not familiar with what constitutes academic dishonesty or those unfamiliar with the appeal procedure regarding academic dishonesty should refer to the UWG Undergraduate Catalog.

For this course, the most important issue is that you have to take the test individually. If you make any kind of consultation with another person while taking a test, that will be considered as cheating and your grade will be a zero.

GRADE DISTRIBUTION BY ACTIVITY

ACTIVITY/MATERIAL	DATE	WEIGHT
Syllabus quiz	1/9 – 1/18	2%
Homework	Online (due by 8am the first day each test opens)	8%
Learnsmart	Online (due by 8am the first day each test opens)	5%
Test 1 (chapters 8 & 9)	Th – Sat (2/2 – 2/4)	20%
Test 2 (chapters 10 & 11)	Th – Sat (3/2 – 3/4)	20%
Test 3 (chapters 12 & 13)	Th – Sat (3/30 – 4/1)	20%

Test 4 (Chapter 14)	Th – Sat (5/4 – 5/6)	20%
Regression Assignment	Due by 8am, 5/4	5%

Final Letter-Grade Assignment (strictly enforced):

0 – 59.99: F
60 – 69.99: D
70 – 79.99: C
80 – 89.99: B
90 – 100: A

After assignments listed in the syllabus are completed and past due, no extra assignments, bonus questions or extra test will be given. Your letter grade will be assigned according to the scale shown above and will not be changed.