

ECON 3406, section N01 – BUSINESS STATISTICS II – Spring 2020.

CRN: 11997. Meets: Online.

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Office Hours: M, W: 8:00 – 9:00 am, 11 am – 1:30 pm, T: 9 am – 12 pm. RCOB 1317.

VERY IMPORTANT: After reading this syllabus, you should register and login to the course (and textbook) website using the McGraw-Hill, “MH Campus” link found in CourseDen (inside “start here”). After you click on the MH Campus, select “Connect” and then the textbook: “Statistical Techniques in Business & Economics, 17th Edition. Author: Lind.” You may access the course by paying immediately or later during a fourteen-day grace period. If you took Econ 3402 and used the same website for assignments, you do not need to pay again. Just use your assigned id and password.

Last day to sign up: end of second week of classes, Saturday January 18th, 2020. This is also the last day to take the syllabus quiz. If you do not sign up by January 18th, 2020, you will be reported as “not attending” and will be dropped from the course by the Registrar.

COURSE INFORMATION: This is a 95-99% online course. However, it is not a “work-at-your-own-pace” type of course. There are specific dates to take quizzes and complete assignments. If you anticipate having problems submitting work on time and/or taking quizzes on the specific dates provided, you should not take this course. There will not be a change to those dates to either earlier or later dates.

REQUIRED TEXT: Statistical Techniques in Business & Economics, 17th Edition. Authors: Lind, Marchal, Wathen. Access the textbook using the “MH Campus” link, inside the “start here” module in D2L. All assignments, except the quizzes, are available 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: Homework Assignments: 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 can always save your answers and continue later. As you respond each question, you have the “check my work” option to verify whether it is correct or not. After a homework is submitted, answers to exercises will not be provided. If you want to review similar exercises, study the slides and odd-numbered exercises found in Appendix D of the textbook. Homework assignments are available at the Connect (MH) website. Advice: submit this assignment until you have studied the corresponding material and have solved a few exercises from each section. Weight of assignment: 18%.

Excel Assignments: For a selected number of chapters, you need to solve exercises using Excel. This assignment has no time restriction, but “check my work” is not available. Excel assignments are available at the Connect (MH) website. Advice: submit this assignment until you have studied the corresponding material and have solved a few exercises from each section. Chapters included: 3, 9-14. Weight of assignment: 15%.

Solved Exercises: I strongly advise you to study the material by solving the odd-numbered exercises found in Appendix D of the textbook. Answers are included. Steps to access the Appendix: click the ebook “Lind, Statistics Techniques in Business and Economics, 17e (eBook)”, “table of contents (three horizontal lines on top left of screen)”, scroll down and click on “Appendix D.”

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

Both assignments are due by 8 am on the day quizzes open. Advice: complete assignments ahead of time. The deadlines will not be changed.

Quizzes and final exam: During the semester, you will be required to take a syllabus quiz and one quiz per chapter. Module I: chapters 3, 7 & 8, module II: chapters 9 & 10, module III: chapters 11 & 12, and module IV: chapters 13 & 14. All quizzes will be available in D2L. Click “assessments”, then “quizzes”. Final exam must be taken at UWG, room 1301 (lecture hall) on Saturday, 5/2/2020 at 3 pm. Duration: two hours. Chapters covered: 7-14. Format is the same

as the quizzes. If you cannot take the final exam at UWG, you need to contact me no later than 2/15, so you can take it at an authorized facility near you.

Test-taking rules:

1. For quizzes, you can use all the notes, tables, slides, etc. However, you are expected to work individually.
2. For the final exam, you should bring a No. 2 pencil, calculator, and tables. You are allowed to bring a cheat sheet with notes only on one side. Tables used must be clean with no additional notes.

Each quiz is available during three days. Thursday - Saturday for modules 1-3 and Tuesday – Thursday for module 4. You may take them any time during those three days up until 11:59 pm of the last day. These dates will not be changed, regardless of reason. These quizzes will not be postponed, regardless of reason.

Maximum time allowed for each quiz: an average of 1.5 minutes per question. Maximum time allowed for the syllabus quiz: five minutes.

Assigned weight to quizzes: 40%.

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 or website while taking a test, that will be considered as cheating and your grade will be zero.

GRADE DISTRIBUTION BY ACTIVITY

<u>ACTIVITY/MATERIAL</u>	<u>DATE</u>	<u>WEIGHT</u>
Syllabus quiz (5 min.)	1/6 – 1/15	2%
Homework	Online (due by 8am the first day each test opens)	18%
Excel	Online (due by 8am the first day each test opens)	15%
Quizzes		40%
Module 1 (quizzes chapters 3, 7, 8)	Th – Sat (2/6 – 2/8)	
Module II (quizzes chapters 9 & 10)	Th – Sat (3/5 – 3/7)	
Module III (quizzes chapters 11 & 12)	Th – Sat (4/9 – 4/11)	
Module IV (quizzes chapters 13 & 14)	Tu – Th (4/28 – 4/30)	
Final Exam	Saturday, 5/2, 3-5pm.	25%

Location: UWG, Miller Hall, Room 1301 (Lecture Hall). Chapters covered:7-14. Format same as quizzes. ** If you cannot take the final exam at UWG, you need to contact me not later than 2/15, so you can take it at an authorized facility near you.

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. I will not respond to emails requesting further adjustment or extra assignments.

TABLE OF SECTIONS INCLUDED AND EXCLUDED PER CHAPTER

CHAPTER	SECTIONS (LO) INCLUDED	SECTIONS (LO) EXCLUDED
3	1, 2, 4, 5	3, 6
7	1-3	4, 5
8	2 – 5	1
9	1-4	5
10	All Sections except last	Last section (calculation type II error)
11	All sections (1-4)	None
12	1 – 4	5
13	1 – 5	6, 7
14	1 – 7	8

Full Term classes meet January 4 - May 5

Date

Event

Jan 4

Spring (non-eCore) classes begin

Jan 4-10

Open Add/Drop period - (non-eCore)

Jan 10

Open Add/Drop period ends at 11:59 pm

Jan 11

Withdrawal "W" period begins for Full Term (non-eCore)-16 week courses. Students who withdraw from a Full Term (non-eCore) class between January 11th and February 28th will receive a grade of W. Reminder there is no refund associated with withdrawing from a course.

Jan 13	Fee Payment Deadline. Please visit the Bursar's website for additional information.
Jan 15-19	FACULTY ONLY: Roster Verification; opens at noon on January 15th.
Jan 20	MLK Day Holiday, campus closed
Feb 28	Last day to withdraw with a grade of W from Full Session (non-eCore) – 16 week courses. Students who withdraw from a Full Term (non-eCore) class between January 11th and February 28th will receive a grade of W. Reminder there is no refund associated with withdrawing from a course
Mar 16-20	Spring Break, no classes, offices open
Apr 7	Undergraduate classes canceled from 12:15 - 5:00 pm for 2020 Scholars' Day
Apr 27	Spring Classes End
Apr 28	Reading Day
Apr 29-May 5	Spring Examinations. See Exam Schedule for details.
Thurs., May 7 Spring 2020	Graduation (time & details to be announced)