

**Economics 3406
Statistics for Business II
SUMMER 2019
SECTION N01/N02**

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E-mail: Use the CourseDen mail tool

Office Hours at the Carrollton campus: TTh: 1:00P – 3:00P

Course Description:

This course investigates the applications of statistics in business. Topics include methods of presenting data, numerical measures and correlation, probability theory and probability distributions, linear regression and forecasting.

Expected Learning Objectives:

Upon completion of this course, students are expected to have a basic understanding of:

- Recognize the role that quantitative models play in the decision making process (LG2)
- Be able to transform a rather general problem into a well-defined problem that can be solved quantitatively (LG2)
- Be able to apply basic quantitative models to business situations (LG2)
- Demonstrate the ability to collect and input data into basic quantitative models (LG2, LG3)
- Be able to solve models "by hand" and with specialized computer software, spreadsheets and graphical packages (LG2, LG3)
- Describe specific quantitative models including linear regression and others applicable to business decision making (LG2)

Note: A complete list of expected learning goals (LG) and learning objectives (LO) for the Richards College of Business can be found at [RCOB Undergraduate Learning Goals](#)

Text:

Statistical Techniques in Business and Economics
By Lind, Marchal, and Wathen, 17th Edition

We will use the McGrawHill Connect portal that goes along with this textbook. Connect is embedded in CourseDen.

There are three ways to gain access to this portal

- i. You can buy a new hardcopy of the book and use the access code within.
- ii. If you bought two semester access for 3402 (or 3406) in the spring semester, that access is still good for this semester.
- iii. You can buy the textbook online and access to connect at the specially reduced (for UWG) price for two semesters.

Connect is integrated into CourseDen. Follow the link in the McGraw Hill widget at the bottom of the course homepage .

Course Structure:

Topic	Chapter in textbook
Review of basic statistical measures	Chapter 3
Review of Continuous Distributions	Chapter 7
Review of Statistics	Chapter 8
Hypothesis Testing & Confidence Intervals	Chapters 9 – 11
Analysis of Variance	Chapter 12
Bivariate Linear Regression	Chapter 13
Multivariate Linear Regression	Chapter 14
Other Topics (time permitting)	

For each Chapter there is a

- Power Point Lecture at CourseDen
- Learn Smart Exercise at Connect
- Homework Assignment at Connect
- Discussion Forum at CourseDen
- Chapter Quiz at Connect

Grading:

Your grade comes from the following 5 components:

Graded Exercise	Location	Points
1) Learn Smart Exercises	at Connect	200 Points
2) Chapter Homework Assignments	at Connect	200 Points
3) Participation (Chapter Forums)	at CourseDen	200 Points
4) Chapter Quizzes	at Connect	200 Points
5) Final Exam	at Connect	200 Points
Total	N/A	1000 points

1) Learn Smart Exercises

LearnSmart is an unparalleled, intelligent learning system based on cognitive mapping that diagnoses students' knowledge of a particular subject then creates an individualized learning path geared towards student success in the course. It offers individualized assessment by delivering appropriate learning material in the form of questions at the right time helping students attain mastery of the content. As a student works within the system, LearnSmart develops a personal learning path adapted to what the student has learned and retained. LearnSmart is also able to recommend additional study resources to help the student master topics. You can find instructions for LearnSmart here [this link](#).

The LearnSmart exercises can be found at the Connect portal. There are 9 exercises (one per chapter) worth 25 points each. The lowest score will be dropped.

2) Chapter Homework Assignments

For each chapter there is a 20 question homework set. You can do the homework exercise an unlimited number of times and individual feedback is provided. These homework assignments are designed to help you implement the concepts that you have learned.

The Chapter Homework Assignments can be found at the Connect portal. There are 9 exercises (one per chapter) worth 25 points each. The lowest score will be dropped.

3) Chapter Discussion Forums (Participation)

The chapter discussion forums are the most important component of the course. This is where most of the interaction between me and you (and the other students) will take place.

The discussion forums are the place where you can ask questions, answer questions, and engage in discussions about the material. My job is to respond to your queries as well as moderate the discussion and in this way my expertise in this area can be tailor-made to best meet your needs. The more you participate in the discussion forums the more you will get out of this class.

There are 9 discussion forums (one for each chapter). The discussion forums are on CourseDen.

You get 40 participation points for making a credit earning post to a chapter discussion (you can make no more than 40 points for an individual forum and

up to 200 points over the entire semester). A credit earning post can take one of three forms:

- a. **Question:** A non-trivial question on the material or on a problem that you are having with a particular question. If you are posting a question start a new thread with “Question” as the first word in the title followed by a brief description that identifies the subject of the question. Feel free to post questions on the homework problems.

e.g.

Question: Chebyshev's Theorem

- b. **Answer:** You get credit if you are the first person to answer someone else’s question correctly or if you make a substantial addition to someone else’s answer. If you are answering someone else’s question please reply to the thread.
- c. **Comment:** You get credit if you can come up with unique practical examples/uses for the material being covered in the chapter. By unique I mean that it should not be an example that someone else has already posted. If you are posting a comment start a new thread with “Comment” as the first word in the title followed by a brief description that identifies the subject.

e.g.

Comment: Empirical rule in Asset Pricing

You cannot earn more than 40 participation points for any given forum. Of course you are free to make as many posts as you would like, but once you have earned the maximum 40 points for participation for any forum there are no extra points to be earned.

You cannot earn more than 200 participation points over the entire semester. Of course you are free to make as many posts as you would like, but once you have earned the maximum 200 points for participation over the semester there are no extra points to be earned.

Ask questions early so that you can expect an answer before assignments are due!

4) Chapter Quizzes

For each chapter there is a 20 question quiz. You have one attempt at the quiz.

Chapter Quizzes can be found at the Connect portal. There are 9 quizzes (one per chapter) worth 25 points each. The lowest score will be dropped.

5) Final Exam

The Final Exam has 50 questions and is cumulative. The final exam is worth 200 points. The final exam will be held on Thursday, June 27th, 2019 from 10:00 AM – 12:00 Noon in Miller Hall Room 2329. If you cannot be here at that time, you can take it using UWG's ProctorU service on June 27th – June 29th. Please see [UWG's ProctorU page](#) for details. I will announce on CourseDen when ProctorU registration is open for our final. If you choose to use ProctorU, sign up early so that a slot is available for you at the time you would like to take the test.

Grading structure and point scale:

900-1000 points	90% - 100%	A
800 points - 899 points	80% - 89.9%	B
700 points - 799 points	70% - 79.9%	C
600 points - 699 points	60% - 69.9%	D
< 600 points	< 60%	F

Course Schedule:

Please pay attention to all due dates since no late work is accepted.

All assignments are due at 11:59 PM!

Date	Item	Location
Wednesday, June 05, 2019	Chapter 3 LearnSmart due	Connect
	Chapter 3 Homework due	Connect
Thursday, June 06, 2019	Chapter 3 Forum closes	CourseDen
	Chapter 3 Quiz due	Connect
Friday, June 07, 2019	Chapter 7 LearnSmart due	Connect
	Chapter 7 Homework due	Connect
Saturday, June 08, 2019	Chapter 7 Forum closes	CourseDen
	Chapter 7 Quiz due	Connect
Monday, June 10, 2019	Chapter 8 LearnSmart due	Connect
	Chapter 8 Homework due	Connect
Tuesday, June 11, 2019	Chapter 8 Forum closes	CourseDen
	Chapter 8 Quiz due	Connect

Wednesday, June 12, 2019	Chapter 9 LearnSmart due	Connect
	Chapter 9 Homework due	Connect
Thursday, June 13, 2019	Chapter 9 Forum closes	CourseDen
	Chapter 9 Quiz due	Connect
Friday, June 14, 2019	Chapter 10 LearnSmart due	Connect
	Chapter 10 Homework due	Connect
Saturday, June 15, 2019	Chapter 10 Forum closes	CourseDen
	Chapter 10 Quiz due	Connect
Monday, June 17, 2019	Chapter 11 LearnSmart due	Connect
	Chapter 11 Homework due	Connect
Tuesday, June 18, 2019	Chapter 11 Forum closes	CourseDen
	Chapter 11 Quiz due	Connect
Wednesday, June 19, 2019	Chapter 12 LearnSmart due	Connect
	Chapter 12 Homework due	Connect
Thursday, June 20, 2019	Chapter 12 Forum closes	CourseDen
	Chapter 12 Quiz due	Connect
Friday, June 21, 2019	Chapter 13 LearnSmart due	Connect
	Chapter 13 Homework due	Connect
Saturday, June 22, 2019	Chapter 13 Forum closes	CourseDen
	Chapter 13 Quiz due	Connect
Monday, June 24, 2019	Chapter 14 LearnSmart due	Connect
	Chapter 14 Homework due	Connect
Tuesday, June 25, 2019	Chapter 14 Forum closes	CourseDen
	Chapter 14 Quiz due	Connect
Thursday, June 27, 2019	Final Exam 10:00 AM – 12:00 NOON	Miller Hall 2329

Communication Rules:

If you want to make an appointment outside of office hours (in person or online) please email a day ahead of time if possible so I can better plan my time. However, feel free to pop in (online) to ask a question whenever you see that I am online.

I prefer that you send me emails via CourseDen email as I rarely check my voicemail. I will return all emails within 1 business day.

Network Etiquette:

Communication in an online class takes special consideration. Please read the short list of tips below.

- Be sensitive and reflective to what others are saying.
- Don't use all caps. It is the equivalent of screaming.
- Don't flame - These are outbursts of extreme emotion or opinion.
- Think before you hit the post (enter/reply) button. You can't take it back!
- Don't use offensive language.
- Use clear subject lines.
- Don't use abbreviations or acronyms unless the entire class knows them.
- Be forgiving. Anyone can make a mistake.
- Keep the dialog collegial and professional.

UWG Policies:

For the Americans with Disabilities Act, UWG Email, Credit Hour, and UWG Honor Code policies as well as information on Academic Tutoring, Student Services, and Technical Requirements, Privacy Policy, and Accessibility Statements, please see the [Common Language for Course Syllabi](#).

THIS SYLLABUS IS SUBJECT TO CHANGE. ALL CHANGES WILL BE ANNOUNCED ON COURSEDEN.