

## **ECON 3402, N01, AND STATISTICS FOR BUSINESS I**

*SPRING 2020, 3 CREDITS, JANUARY 4, 2020 TO MAY 5, 2020*

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## WOLF PACT

Protecting the integrity of a degree from the Richards College of Business at the University of West Georgia is the responsibility of the administration, faculty, staff, and students of the college. Our mission is “To become a globally recognized college of business preparing forward-thinking, responsible leaders.” Responsible leaders are ethical leaders, and this behavior begins in the classroom. One of our Strategic Goals is to demonstrate “...commitment to the principles of honesty and integrity in interactions and undertakings, [and] accountability for personal behavior...”. As such, we have developed the Wolf Pact in an effort to promote and maintain the highest standards of integrity, professional behavior, ethical actions, and personal conduct.

The purpose of this pact is to maintain that a degree from the Richards College of Business at the University of West Georgia is held in high regard by all internal and external constituents, and that a degree from the University of West Georgia is as meaningful in the future as it is today.

I have reviewed the information in this syllabus, and I agree to abide by the policies stated. I will conduct myself in accordance with the RCOB Wolf Pact to protect the integrity of my degree and all those others who receive a degree from the Richards College.

Signature: \_\_\_\_\_

917#: \_\_\_\_\_

Date: \_\_\_\_\_



## INSTRUCTOR INFORMATION

**NAME:**

Hilde Patron Boenheim, Ph.D.

**OFFICE LOCATION:**

Miller Hall 1303

**OFFICE HOURS:**

In person: Tuesdays and Thursdays 8:00 AM to 11:00 AM

Online: Monday through Thursday: 8:00 AM to 11:00 AM

**CONTACT INFORMATION:**

Phone: 678-839-5036

Email: [hpatron@westga.edu](mailto:hpatron@westga.edu)

Communication Preference: I prefer for you to contact me using your UWG email.

## COURSE INFORMATION

**DESCRIPTION**

Course description and purpose: In this course we study basic statistics concepts and emphasize their applications to business environments. The various topics include methods of presenting data, probability theory and distribution, central tendency and dispersion measures, hypothesis testing, and linear regression.

**PREREQUISITES**

Course prerequisites: MAT111 or MATH 1113, CISM 2201 and a 2.0 minimum GPA. You also need to have access to a computer and you must have access to the internet.

**DELIVERY METHODS**

This class is fully online. You will find videos, readings, tutorials and quizzes in CourseDen (D2L).

## LEARNING GOALS

We will build on the following learning goals throughout the term:

**FIRST GOAL**

Construct and interpret tabular and graphical methods of presenting qualitative and quantitative data.

### **SECOND GOAL**

Construct and interpret summary numerical measures of location, variability, and association for the sample and the population.

### **THIRD GOAL**

Apply basic probability concepts, expected value, and variance to a variety of business applications

### **FOURTH GOAL**

Use discrete and continuous probability distributions and sampling distributions in a variety of business applications

### **FIFTH GOAL**

Construct and interpret interval estimates and hypothesis tests

### **SIXTH GOAL**

Estimate regression models, evaluate the results of regression models, and use the results for prediction and forecasting

### **SEVENTH GOAL**

Use Microsoft Excel to generate descriptive statistics and perform regression and correlation analysis

## **TEXTBOOKS AND MATERIALS**

There is no required textbook for this class. Any statistics textbook will have the material we will cover.

## **COURSE POLICIES**

### **LATE POLICY**

No late quizzes will be accepted. I will not re-open quizzes under any circumstance. All quizzes are now available. However, I will drop the lowest quiz score at the end of the semester. When you see the list of quizzes on courseden, you will see that one quiz says “dropped”. I have been unable to change the setting so that courseden doesn’t randomly tell you that it is dropping a quiz that you haven’t even taken. Please ignore this. I will drop the lowest quiz **AT THE END OF THE SEMESTER.**

## **COURSE DEN**

This class is fully online. You will find videos, readings, tutorials and quizzes in CourseDen (D2L). You must complete all assignments within the datelines listed.

## **ASSIGNMENTS**

We will have two (2) midterms worth 10% each, one (1) cumulative final exam worth 30%, and nine (9) homework assignments.

The final exam is proctored. You can schedule your exam with the Carrollton or Newnan testing centers, other approved testing centers in the US or abroad, or ProctorU. All of these carry a fee. I will also offer two dates when you can take the exam with me free of charge.

We will also have nine homework assignments worth a combined 50%. The homework is not timed but has a deadline. Deadlines are firm. Please start working on the homework with plenty of time.

Homework and exam dates can be found on CourseDen

### **INFORMATION FOR SCHEDULING THE FACE-TO-FACE EXAM**

The following dates are available for you to schedule your exam with me (free of charge). To register, you must email me AT LEAST TWO WEEKS prior to the date for which you want to sign up. You will have to bring a fully charged laptop with you (or laptop + power chord):

Tuesday, April 14 at 8:00 AM, Miller Hall room 2327

Thursday, April 16 at 9:30 AM, Miller Hall room 2328

The following dates are available for you to schedule your exam at the Carrollton testing center:

Tuesday, April 21 at 9:00 am

Tuesday, April 21 at 2:00 pm

The following dates are available in Newnan:

TBA.

The exam will not be available through ProctorU.

The exam is open book and open notes. You need to bring a calculator to the test. The calculator must, at the very least allow you to raise numbers to various powers and take all kinds of roots. A statistical calculator (TI83 or TI 84) would be preferable.

### **PROCTORED EXAM INSTRUCTIONS FOR ONLINE STUDENTS**

Call and sign up for a proctored test at any of the following sites. You will need to provide your name, the date in which you plan to take the test (check your syllabus or ask your instructor for acceptable dates), and the name of your instructor or course name.

The University of West Georgia Testing Center in Carrollton

Testing Official: Carrie Melius

University of West Georgia

114 Strozier Hall

Carrollton, GA 30118

678-839-6435

Test Fee: \$15

The University of West Georgia Testing Center in Newnan

Testing Official: Teri Lewis

University of West Georgia- NEWNAN

7 Solar Circle

Newnan, GA 30265

(770) 254-7280

Test Fee: \$15

### **EXTRA CREDIT**

No extra-credit opportunities will be offered.

## **GRADING**

The face-to-face exam is worth 30%, each midterm is worth 10%, while the homework assignments, which are all equally valued, add up to 50%.

Letter grades will be assigned as follows:

- A: 90% or higher
- B: 80% to 89.9999%
- C: 70% to 79.9999%
- D: 60% to 69.9999%
- F: Less than 60%

Note: an 89.9% is a B!

## **COURSE CALENDAR**

Since this is an online course, you can work at your own pace but you must complete all assignments by the designated deadlines. These are as follows:

### **THURSDAY, JANUARY 16**

- Describing Distributions with Graphs
- Homework is due before 11:30 PM today

### **THURSDAY, JANUARY 23**

- Describing Distributions with Numbers
- Homework is due before 11:30 PM today

### **THURSDAY, JANUARY 30**

- The Normal and Uniform Distributions
- Homework is due before 11:30 PM today

### **THURSDAY, FEBRUARY 6**

- Midterm # 1
- Online on courseden
- Sixty (60) minutes long. Covers modules 1,2 and 3. Multiple choice questions.
- Becomes available at 7:00 AM on and must be completed before 11:00 PM.

### **THURSDAY, FEBRUARY 20**

- Relationships between Variables, Correlations, Simple Regression Analysis
- Homework is due before 11:30 PM today

### **THURSDAY, FEBRUARY 27**

- Probability Distributions, Basic Probability Rules, Discrete Distributions, Continuous Distributions.
- Homework is due before 11:30 PM today

**THURSDAY, MARCH 5**

- The Binomial and Poisson Distributions
- Homework is due before 11:30 PM today

**THURSDAY, MARCH 12**

- Midterm # 2
- Online on courseden
- Sixty (60) minutes long. Covers modules 4, 5 and 6. Multiple choice questions.
- Becomes available at 7:00 AM on and must be completed before 11:00 PM.

**THURSDAY, MARCH 26**

- Hypothesis Tests and Confidence Intervals for the Population Mean when the Population Standard Deviation is Known.
- Homework is due before 11:30 PM today

**THURSDAY, APRIL 2**

- Hypothesis Tests and Confidence Intervals for the Population Mean when the Population Standard Deviation is Unknown.
- Homework is due before 11:30 PM today

**THURSDAY, APRIL 9**

- Hypothesis Tests and Confidence Internals for Simple regression.
- Homework is due before 11:30 PM today

**APRIL 14, 16, TBA, OR TBA**

- These are the dates available to take your final exam. Please see the syllabus above for detailed instructions on how to sign up.
- You can sign up with me for Tuesday, April 14 at 8:00 AM or Thursday, April 16 at 9:30 AM.
- The following dates are available for you to schedule your exam at the Carrollton testing center:
  - Tuesday, April 21 at 9:00 am or 2:00 pm
- The following dates are available in Newnan:
  - TBD

University-wide syllabus information:

Please review the "[Common Language for Course Syllabi](#)" for university-wide updates. Even if you have read it before, the most current information is maintained at this site.