ECON 3402, D01, AND STATISTICS FOR BUSINESS I

SPRING 2020, 3 CREDITS, JANUARY 4, 2020 TO MAY 5, 2020
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
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 partially online (51-94% online). You will find videos, readings, tutorials and quizzes in CourseDen (D2L). We will meet face-to-face on three occasions for mandatory exams. Failure to attend these sessions will result in a zero on the exam. These dates are:

• Thursday, February 6th at 9:30 AM
• Thursday, March 12th at 9:30 AM
• Thursday, April 23rd at 9:30 AM
Everything else will take place on Courseden.

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 assignments (homeworks or exams) will be accepted. I **will not re-open assignments under any circumstances**. All homework assignments are now available. However, I will drop the lowest homework 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**.

COURSEDen
This class is partially 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.

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.

EXTRA CREDIT
No extra-credit opportunities will be offered.

GRADING
The final 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 a partially online course, you can work at your own pace – for the most part – 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
- Sixty (60) minutes long. Covers modules 1, 2 and 3. Multiple choice questions.

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
- Sixty (60) minutes long. Covers modules 4, 5 and 6. Multiple choice questions.

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

**THURSDAY, APRIL 23:**
• Cumulative final exam
• Miller Hall 2328, 9:30-10:40AM
• Sixty (70) minutes long.

**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.