BUSI 2305 001IN
Business Statistics
Spring 2023
Internet Course

Instructor Information:

Name: LaShawn McCoy, BA, MBA

Adjunct Business Instructor

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Phone: 832 689 9409

Communicating with your instructor:

All electronic communication with the instructor will be through D2L Brightspace course messages or COM email.

Student Hours & Location:

By email appointment, or as scheduled in D2L Brightspace:

Tuesdays	6pm-7pm

Required Textbook:

Business Statistics for Contemporary Decision-Making, 10th Edition
Ken Black, Wiley Publishing
ISBN# **9781119650966** Business Stats 10e
WileyPLUS.com

Textbooks may be new, used, or rented and purchased from multiple sources. This

course uses inclusive access. No code is required.

Textbook Purchasing Statement:

A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Course Description:

This course provides an understanding of the application of finance to the world of business. Students will learn to apply various forms of statistical analysis to data from business organizations to analyze and interpret outcomes for decision-making. Finance topics introduced include probability, discrete and continuous distributions, measures of central tendency, confidence intervals, hypothesis testing, and correlation and regression analysis. Students will learn to use these methods to make professional recommendations to management for desired business outcomes.

Course Requirements:

1. There are four modules that comprise this course. Four tests will be given covering the chapters in the textbook. A list of the chapters covered by each test is provided in the Schedule of Activities. Unless noted differently in the Schedule of Activities, tests will be open from the beginning of the semester. Once you have started the test it cannot be stopped and restarted no matter the circumstance. *The test will automatically close at the time shown in the schedule of activities. It is your responsibility to monitor your time while taking the test.* Only one attempt will be allowed per test. No retakes are allowed. Make-ups are generally not allowed, but the instructor reserves the right to make individual decisions prior to the opening of the test.
2. In the Content section of the course, the four modules contain chapter resources as study aids. These will help you prepare for the tests. None of these are graded, and completion of them is at your discretion. Review activities include PowerPoints, Solutions Manuals, and Adaptive Practice. Adaptive Practice is highly recommended and particularly helpful in preparing for tests. They allow for review of simpler questions after a question is missed, and more challenging questions when answered correctly.

3. It is in your best interest to know the material thoroughly prior to starting the tests.
4. There are 12 chapters covered and 12 chapter homework assignments. You have no time limit on this homework, and you are allowed three attempts. Your highest score will be automatically accepted as your grade. These homework assignments are designed to be a study aid to help you prepare for the tests. All homework will be open from the beginning of the semester and close on the dates shown in the Schedule of Activities.
5. Each of the four modules includes a Discussion Board task. Every Discussion Board requires an initial post answering the questions posed, along with required participation of two substantive posts to classmates. Please refer to the Schedule of Activities for points and due dates.
6. Each of the 12 chapters covered will require a small project. The projects are varied and may require the use of Excel Descriptive Statistics, Thinglink, Flipgrid, Powerpoint, or a short research paper in MS Word. Most will require sorting, analyzing, and interpreting data using various means of statistical analysis. Each aligns to the topics covered within that chapter.

The following list summarizes the topics and chapters covered by each test:

A. Test 1 – (Chapters 1-3)
   - Introduction to Statistics & Business Analytics (Chapter 1)
   - Visualizing Data with Charts & Graphs (Chapter 2)
   - Descriptive Statistics (Chapter 3)

B. Test 2 - (Chapters 4-6)
   - Probability (Chapter 4)
   - Discrete Distributions (Chapter 5)
   - Continuous Distributions (Chapter 6)

C. Test 3 - (Chapters 7-9)
   - Sampling & Sampling Distributions (Chapter 7)
   - Statistical Inference: Estimation for Single Populations (Chapter 8)
   - Statistical Inference: Hypothesis Testing for Single Populations (Chapter 9)

D. Test 4 - (Chapters 10,12,19)
   - Statistical Inferences about Two Populations (Chapter 10)
   - Simple Regression Analysis and Correlation (Chapter 12)
   - Decision Analysis (Chapter 19)

Determination of Course Grade/ Detailed Grading Formula:

- Four Tests (100 points each) .....400 points
- Four Discussion Boards (50 points each).....200 points
- Twelve Chapter Projects (75 points each) ..... 900 points
- Twelve Chapter Homework (25 points each).....300 points

- **Total Possible Points .....1800 points**

The final grade will be based on the following scale:

- A = 90% of the total points----------->= 1620
- B = 80% of the total points -------- 1440-1619
- C = 70% of the total points -------- 1260-1439
- D = 60% of the total points -------- 1080-1259
- F = 59% or less ----------<=1079

Any extra credit points, should they be assigned, will be added to your total possible points.

Course Outline/Schedule of Activities

BUSI 2305 Spring
Schedule of Activities
(16 week course)

College of the Mainland

Module	Dates	Required Reading	Tests	Discussion Boards	Projects	Chapter Homework	Due Date (Midnight)
Module 1	Week 1	Chapter 1		Introduction DB	Chapter 1 Project	Chapter 1	
	Week 2	Chapter 2			Chapter 2 Project	Chapter 2	
	Week 3	Chapter 3			Chapter 3 Project	Chapter 3	
	Week 4		Test 1	Module 1 DB			
Module 2	Week 5	Chapter 4			Chapter 4 Project	Chapter 4	
	Week 6	Chapter 5			Chapter 5 Project	Chapter 5	
	Week 7	Chapter 6			Chapter 6 Project	Chapter 6	
	Week 8		Test 2	Module 2 DB			
Module 3	Week 9	Chapter 7			Chapter 7 Project	Chapter 7	
	Week 10	Chapter 8			Chapter 8 Project	Chapter 8	
	Week 11	Chapter 9			Chapter 9 Project	Chapter 9	
	Week 12		Test 3	Module 3 DB			
Module 4	Week 13	Chapter 10			Chapter 10 Project	Chapter 10	
	Week 14	Chapter 12			Chapter 12 Project	Chapter 12	
	Week 15	Chapter 19			Chapter 19 Project	Chapter 19	
	Week 16		Test 4	Module 4 DB			

Point Values

Activity	Point Value	# of Activities	Total Points
Chapter Homework	25	12	300
Tests	100	4	400
Discussion Boards	50	4	200
Projects	75	12	900
Total Possible Points			**1800**

Important Notes

For Chapter Homework, three attempts allowed, no time limit, highest attempt saved.
One attempt only for tests.
No late work accepted for this course.

Late Work & Extra Credit/Bonus Policies:

Due to the fast pace and difficulty of the material in this course, and the fact that much of it builds on the material prior, no late work will be accepted in this course.

If you have a personal or emergency situation, please contact me as soon as practical (in advance when possible) and I will do my best to work with you in a fair and equitable manner. Supporting documentation may be requested.

Any bonus points, make-up work, or other accommodations beyond those offered by COM are at the sole discretion of the instructor. Generally, bonus points may be offered for attendance and the submission of a course evaluation.

Attendance Policy:

Attendance in this Internet-driven course is based on the timely submission of weekly assignments. Attendance will be taken each week as determined by the reporting functions in D2L Brightspaceand publisher integrated sites. Students will receive credit for 'attending' the class each week based upon the timely submission of an assignment. An assignment may be a discussion board post, a quiz, a test, a project, or any other assigned task within the week as noted on the Schedule of Activities. The last date of attendance will be the last date an assignment was submitted. Attendance will be tracked in the gradebook and may be applied as bonus points at the end of the term.

Withdrawal Policy:

Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing, student should speak with the instructor and consult an advisor. Students are only permitted to withdraw six times during their college career by State law. the last day to withdraw for the 1st 8-week session is October 7th, November 23rd for 16-week courses, and December 3rd for the 2nd 8-week session. For more information, go to: Academic calendar.

If a student wishes to withdraw from the course, it is the student's responsibility to see that the proper form is completed and turned in by the proper date to withdraw from the class. Failure to attend class does not constitute a withdrawal from the class.

FN Grading:

The FN grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The FN grade may be issued for cases in which the students ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the FN grade is at the discretion of the instructor.

Early Alert Program:

The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention is very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

Academic Dishonesty:

Any incident of academic dishonesty will be dealt with in accordance with college policy and the Student Handbook. Academic dishonesty – such as cheating on exams is an extremely serious offense and will result in a **grade of zero** on that exam and the student will be referred to the Office of Student Conduct for the appropriate disciplinary action.

College of the Mainland requires that students enrolled at COM be familiar with the Standards of Student Conduct, which can be found in the online Student Handbook. http://www.com.edu/student-services/student-handbook.php Students are expected to be familiar with and abide by the Student Code of Conduct. Any violations of the Code of Conduct will result in a referral to the Dean of Students and may result in dismissal from this class.

Plagiarism is using someone else's words or ideas and claiming them as your own. Plagiarism is a very serious offense. Plagiarism includes paraphrasing someone

else's words without giving proper citation, copying directly from a website and pasting it into your paper, using someone else's words without quotation marks. Any assignment containing any plagiarized material will receive a **grade of zero** and the student will be referred to the Office of Student Conduct for the appropriate disciplinary action.

Technology Outage:

Occasionally the College may experience emergency technology Outages. Should this occur during a Quiz, you will need to notify the instructor that you will need the Quiz to be reset. Students are responsible for completing all other course work such that due dates can be met. In case of an emergency technology outage that is campus-wide, students will have an opportunity to submit completed assignments within the newly designated due date that will be posted as an "Announcement." In case of a personal technology issue or if you have questions about an assignment or need clarification of requirements, you are expected to contact the instructor as soon as reasonably possible.

Student Concerns:

If you have a problem in this class, please discuss the issue with me first. If I cannot resolve the problem with you, your next step would be to contact the Department Chair, Professor Selina Rahman at 409-933-8339 or srahman@com.edu.

Three Prior to Me: The Business and Computer Technologies faculty encourages students to problem-solve, work as a team as well as utilize available resources. To develop these skills, we will employ the **"**Three Prior to Me" process. This means that before you contact the instructor with a course-related question, you must have attempted to find the information in three other places. For instance, if you are unsure about the meaning of a term used in the course, you would attempt to locate this information in three places prior to asking the instructor. Hence, you might do a Google search for the term, ask a classmate, and refer to your textbook.

Instructors will question you regarding what research methods you utilized to locate information on your own. This process is not meant to be a barrier to you, but instead to provide the following benefits:

-preparation for the workforce

-increased research skills

-instructors will have more time to provide feedback and interact with students

If you have a question that **ONLY** the instructor would know the answer to (grade-related, assessments, etc.), then of course you would go to the instructor directly. This process will require practice and patience from the student as well as the instructor.

Student Learner Outcomes:

Descriptive and inferential statistical techniques for business and economic decision-making. Topics include the collection, description, analysis, and summarization of data; probability; discrete and continuous random variables; the binomial and normal distributions; sampling distributions; tests of hypotheses; estimation and confidence intervals; linear regression; and correlation analysis.

Statistical software is used to analyze data throughout the course.

Upon successful completion of this course, students will:

1. Describe the random processes underlying statistical studies.
2. Calculate and use probability in solving business problems.
3. Compute descriptive statistics, construct graphs for data analysis, and interpret outcomes.
4. Compute and interpret measures of central tendency and dispersion.
5. Calculate expected values to evaluate multiple outcomes of a decision.
6. Describe, interpret, and apply discrete and continuous probability distributions.
7. Construct and interpret confidence intervals for means and proportions.
8. Formulate, perform, and interpret hypotheses tests (one and two population parameters).
9. Calculate, evaluate, and interpret simple linear correlation/regression.
10. Use statistical software to graph, compute, and analyze statistical data.

Prerequisites: MATH 1324 Mathematics for Business & Social Science Majors or MATH 1314 College Algebra; BCIS 1305 Business Computer Applications

General Education Core Objectives:

Students successfully completing this course will demonstrate competency in the following Core Objectives:

1. **Critical Thinking Skills** – to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
2. **Empirical and Quantitative Skills** – to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
3. **Teamwork**-to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
4. **Communication Skills** - to include effective development, interpretation, and expression of ideas through written, oral, and visual communication.

Table Mapping SLO's, Core Objectives and Assignments:

Student Learner Outcome	Maps to Core Objectives	Assessed via this Assignment
Describe the random processes underlying statistical studies.		Chapter 1 Homework Chapter 19 Homework
Calculate and use probability in solving business problems.	**Critical Thinking**	Chapter 3 Project Chapter 4 Homework Chapter 4 Project
Compute descriptive statistics, construct graphs for data analysis, and interpret outcomes.	**Empirical and Quantitative Skills**	Chapter 2 Homework Chapter 2 Project Module 1 Discussion Board
Compute and interpret measures of central tendency and dispersion.	**Empirical and Quantitative Skills**	Chapter 3 Homework Chapter 3 Project

Calculate expected values to evaluate multiple outcomes of a decision.		Chapter 19 Homework Chapter 19 Project
Describe, interpret, and apply discrete and continuous probability distributions.	**Maps to Teamwork**	Chapter 5 Homework Chapter 5 Project Chapter 6 Homework **Chapter 6 Project**
Construct and interpret confidence intervals for means and proportions.	**Empirical and Quantitative Skills**	Chapter 7 Homework Chapter 7 Project Chapter 8 Homework Chapter 8 Project
Formulate, perform, and interpret hypotheses tests (one and two population parameters).		Chapter 9 Homework Chapter 9 Project Chapter 10 Homework Chapter 10 Project
Calculate, evaluate, and interpret simple linear correlation/regression.		Chapter 12 Homework Chapter 12 Project
Use statistical software to graph, compute, and analyze statistical data.	**Communication Skills**	Chapter 3 Project Chapter 5 Project Chapter 6 Project Chapter 12 Project Module 2,3,4 Discussion Board

Grade Appeal Process:

Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook.<https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf**.** *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.* https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019- 2020v5.pdf

Academic Success & Support Services:

College of the Mainland is committed to providing students the necessary support and tools for success in their college career. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement:

ADA Statement: Any student with a documented disability needing academic accommodations is requested to contact Kimberly Lachney at 409-933-8919 or klachney@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

Counseling Statement:

Any student needing counseling services is requested to please contact Holly Bankston in the student success center at 409-933-8520 or hbankston@com.edu. Counseling services are available on campus in the student center for free and students can also email counseling@com.edu to setup their appointment. Appointments are strongly encouraged; however some concerns may be addressed on a walk-in basis.

COVID-19 Statement:

All students, faculty, and staff are expected to familiarize themselves with materials and information contained on the College of the Mainland's Coronavirus Information site at www.com.edu/coronavirus. Students are required to watch a training video, complete the self-screening, and acknowledge the safety guidance at: www.com.edu/selfscreen. In addition, students, faculty, and staff must perform a self-screening prior to each campus visit. Finally, students, faculty, and staff which have had symptoms of COVID-19, received a positive test for COVID-19, or have had close contact with an individual infected with COVID-19 must complete the self-report tool.