



BUSI-2305-121H2
Business Statistics
Spring 2025
2nd 8-Weeks
Hybrid

Instructor Information:

Belinda Aaron, MBA, PhD
Assistant Professor of Business
baaron@com.edu
409-933-8151

Student Hours & Location:

ICB 313-13, TEAMS, Bongo virtual classroom tool, D2L chat, or by email appointment

Monday 9:00am-11:00am, 2:00pm-4:00pm

Tuesday **by appointment only**

Wednesday 9:30am-11:00am, 2:00pm-4:00pm

Thursday **by appointment only**

Friday **by appointment only**

Required Textbook:

This course is inclusive of the digital textbook, which is made available in OpenStax and through the OpenStax link inside BrightSpace D2L. No access code is required for this course. Hardcopy textbooks may be new, used, or rented and can be purchased from multiple sources. This textbook is available through OpenStax at <http://cnz.org/content/coll1776/1.33>.

Introductory Business Statistics, 2018

Holmes, Illowsky & Dean

OpenStax

ISBN-13: 978-1-947172-46-3

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:

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. Prerequisite: MATH 1324 or MATH 1314 and BCIS 1305. Students must earn a grade of “C” or better in all prerequisite courses to satisfy the prerequisite requirement.

Course Requirements:

The course is divided into 13 chapters. For all tasks, please refer to the Schedule of Activities for due dates, point values, and other information.

Homework

There are **12 Chapter Homework Assignments (in BrightSpace)**. The homework is designed to be a study aid to help you prepare for the chapter quizzes.

Quizzes

There are **12 Chapter Quizzes (in BrightSpace)**. You have no time limit on these quizzes, and you are allowed three attempts. Your highest score will be automatically accepted as your grade for that quiz. These quizzes are designed to be a study aid to help you prepare for the tests.

Tests

Four tests (in BrightSpace) will be covering the chapters in the textbook. Face-to-face students will be administered these tests in the classroom using BrightSpace D2L. A list of the chapters covered by each test is provided in the Schedule of Activities. Once you have started the test it cannot be stopped and restarted no matter what 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.

Please refer to the grading rubric for additional guidance on expectations.

Determination of Course Grade/Detailed Grading Formula:

Homework (25 points each, 12 assignments)....300 points
Chapter Quizzes (25 points each, 12 quizzes)... 300 points
Four Tests (100 points each, 4 tests)..... 400 points
Total Possible Points..... 1000 points

The final grade will be based on the following scale:

A = 90+% of the total points	>= 900
B = 80% - 89% of the total points	800-899
C = 70% - 79% of the total points	700-799
D = 60% - 69% of the total points	600-699
F = less than 60% of the total points	<= 599

Only one attempt will be allowed per examination. No retakes are allowed. Three attempts are allowed for each chapter quiz. The highest grade is automatically accepted.

Late Work, Make-Up, and Extra-Credit Policy:

Missed work immediately receives a “0”. *Students are responsible for contacting the instructor about making it up.* Make-up work will be determined **on a case-by-case basis** in a manner that **the instructor deems fair and equitable to the entire class.** Late work normally receives a **20% penalty.**

- **If accepted,** the final day for auto-graded late work will be the **day prior to the last day of class.**
- **If accepted,** the final day for manually graded late work will be the **Sunday prior to the last day of class.**

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.

Extra Credit/Bonus Points:

- **40 bonus points** (4% of final grade) are available for scheduling (online or face-to-face) and completing a 1-hour meeting with the Tutoring Center on APA format citing. Bonus points will be added in the gradebook **once the student forwards the confirmation email** to the instructor, received from the Tutoring Center, confirming that a worthwhile and successful APA format learning session has taken place. Students may schedule more than one learning session, but the bonus points will only be applied once. Writing Resources, including appointment scheduling for Tutoring Center, are located at: <https://www.com.edu/tutoring/writing-resources.html> APA format templates are available through the College of the Mainland Office 365 tools (<https://www.com.edu/sso>).

Any bonus points, make-up work, or other accommodations beyond those offered by COM are at the sole discretion of the instructor.

Graded Assignments/Feedback/Gradebook:

The following expectations apply to all Business/Accounting department courses regardless of modality.

Auto graded exams and quizzes should be available for immediate review by the students. **Manually graded assignments (discussion boards and projects) will typically be graded and returned within one week from the due date.** Feedback, if any, will be listed within the attached rubric. Accepted late work will be returned in a timely manner as instructor's availability allows.

Students should monitor their overall grade within the D2L gradebook for current point totals.

Attendance Policy:

Attendance in a classroom course is based on actual, physical classroom attendance which will be taken each class period. Students will receive credit for attending the class each week if present in the classroom. The last date of attendance will be the last date the student attended class in the physical classroom. Attendance will be tracked in the gradebook.

Attendance in an 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 BrightSpace D2L. 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.

Communicating with your instructor:

All electronic communication with the instructor must be through D2L or COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means (no external email). The virtual classroom tool, D2L chat, office phone, and face-to-face meetings are other means of communication. **Please allow the faculty 24 hours to reply to COM email communications.** **Student emails sent after 5pm on Friday should expect a reply by 12pm on Monday.**

General Education Core Objectives:

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

Critical Thinking Skills – to include creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information.

Empirical and Quantitative Skills – to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

Table Mapping SLO's, Core Objectives and Assignments:

Student Learner Outcome	Maps to Core Objectives	Assessed via this Assignment
1. Describe the random processes underlying statistical studies.	<ul style="list-style-type: none"> Critical Thinking 	Exam I Quiz 1
2. Calculate and use probability in solving business problems.	<ul style="list-style-type: none"> Empirical and Quantitative Skills 	Exam I Quiz 3
3. Compute descriptive statistics, construct graphs for data analysis, and interpret outcomes.	<ul style="list-style-type: none"> Empirical and Quantitative Skills 	Exam I Quiz 2
4. Compute and interpret measures of central tendency and dispersion.	<ul style="list-style-type: none"> Empirical and Quantitative Skills 	Exam I Quiz 2
5. Calculate expected values to evaluate multiple outcomes of a decision.	<ul style="list-style-type: none"> Empirical and Quantitative Skills 	Exam I Quiz 3
6. Describe, interpret, and apply discrete and continuous probability distributions.	<ul style="list-style-type: none"> Critical Thinking 	Exam II Quiz 4,5
7. Construct and interpret confidence interval for means and populations.	<ul style="list-style-type: none"> Empirical and Quantitative Skills 	Exam III Quiz 8
8. Formulate, perform, and interpret hypothesis tests (one and two population parameters).	<ul style="list-style-type: none"> Empirical and Quantitative Skills 	Exam III Quiz 9,10
9. Calculate, evaluate, and interpret simple linear correlation/regression.	<ul style="list-style-type: none"> Empirical and Quantitative Skills 	Quiz 13 Exam IV
10. Use statistical software to graph, compute, and analyze statistical data.	<ul style="list-style-type: none"> Critical Thinking 	Quiz 13 Exam IV

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. <https://www.com.edu/student-services/student-handbook.html> 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 may receive a **grade of zero** and the student will be referred to the Office of Student Conduct for the appropriate disciplinary action.

[10 Types of Plagiarism - YouTube](https://www.youtube.com/watch?v=EF5eFeJMplA) https://www.youtube.com/watch?v=EF5eFeJMplA

[How to Avoid Plagiarism in 5 Easy Steps - YouTube](https://www.youtube.com/watch?v=WV2-cmi19sg) https://www.youtube.com/watch?v=WV2-cmi19sg

[What is Self Plagiarism - Research Prospect](https://www.researchprospect.com/what-is-self-plagiarism/#:~:text=%20Types%20of%20Self%20Plagiarism%20%201%20Republishing.,from%20their%20previous%20work%20as%20they...%20More%20) https://www.researchprospect.com/what-is-self-plagiarism/#:~:text=%20Types%20of%20Self%20Plagiarism%20%201%20Republishing.,from%20their%20previous%20work%20as%20they...%20More%20


Student Concerns:

If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact Andrew Gregory, Department Chair, Business and Accounting at 409-933-8339 or agregory2@com.edu

Technology Outage:

Occasionally the college may experience emergency technology outages. Should this occur during a Quiz/Exam, you will need to notify the instructor that you will need the Quiz/Exam to be reset. In the case of this or a personal technology issue, students are expected to contact the instructor as soon as reasonably possible. Students are responsible for completing all other course work such that due dates can be met.

Course Outline/ Schedule of Activities:

Business Statistics Schedule of Activities (8-week course)				BUSI 2305 - Spring 2025
Class Dates	Required Reading	Tests	Chapter Homework & Quizzes	Due Date (Midnight)
Week 1 (Mar 10-16)	Chapters 1-2		Ch 1-2	03/16/25
Week 2 (Mar 24-30)	Chapters 3-4	Test 1 (Ch. 1-3)	Ch 3-4	03/30/25
Week 3 (Mar 31-Apr 6)	Chapters 5-6		Ch 5-6	04/06/25
Week 4 (Apr 7-13)	Chapters 7-8	Test 2 (Ch. 4-7)	Ch 7-8	04/13/25
Week 5 (Apr 14-20)	Chapters 9-10		Ch 9-10	04/20/25
Week 6 (Apr 21-27)	Chapter 11	Test 3 (Ch. 8-10)	Ch 11	04/27/25
Week 7 (Apr 28-May 4)	Chapter 12		Ch 12	05/04/25
Week 8 (May 5-7)	Chapter 13	Test 4 (Ch. 11-13)	Ch 13	05/07/25
Point Values			Important Notes	
Activity	Point Value	# of Activities	Total Points	Late Work, if accepted, normally receives 20% penalty (See Syllabus for Limitations)
Chapter Homework	25	12	300	Chapter Homework - Due every Sunday.
Chapter Quizzes	25	12	300	Chapter Quizzes - 3 attempts allowed, no time limit, highest attempt saved. Due every Sunday.
Tests	100	4	400	Test - 1 attempt only; <i>online by Sunday for students or last day of class for Week 8.</i>
Total Possible Points			1000	Any bonus points are at the discretion of the instructor. (See Syllabus)

Institutional Policies and Guidelines

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://www.com.edu/student-services/docs/Student_Handbook_2024-2025_v2.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.*

Academic Success & Support Services: College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. 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:

Any student with a documented disability needing academic accommodations is requested to contact: Kimberly Lachney, Student Accessibility Services Coordinator
Phone: 409-933-8919
Email: AccessibilityServices@com.edu
Location: COM Doyle Family Administration Building, Student Success Center

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.

Withdrawal Policy: Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law.

Last date to withdraw from Spring 2025 with a "W":

1st 8-week session- February 26

16-week session – April 21

2nd 8-week session- April 30

F_N Grading: The F_N grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The F_N grade may be issued for cases in which the student 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 F_N grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an F_N grade.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are 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.

Resources to Help with Stress:

If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here <https://www.com.edu/community-resource-center/>. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in

the way of doing your best in school. All services are private and confidential. You may also contact the Dean of Students office at deanofstudents@com.edu or communityresources@com.edu.

Nondiscrimination Statement:

The College District prohibits discrimination, including harassment, against any individual on the basis of race, color, religion, national origin, age, veteran status, disability, sex, sexual orientation, gender (including gender identity and gender expression), or any other basis prohibited by law. Retaliation against anyone involved in the complaint process is a violation of College District policy.