Business and Economics Statistics
Dillard College of Business Administration
BUAD 3033, Section X40
Summer 2025
Online

Contact Information:

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Text:

Anderson, Sweeney, Williams, Camm, Cochran, Fry and Ohlmann, Statistics for Business and Economics, 14th Edition, Cengage Learning (Required).

MSU Texas Access & Affordability Program (for accessing the textbook):

BUAD 3033 X40 is included in the above program for the Summer II semester. What does this mean?

- In your my.msutexas.edu email, find an email from Brytewave dated 06/24/2025. The instructions for accessing your BUAD content are in this email.
- Your professor has opted to have this course in the program to save you time and money.
- The money saving charge of $61.00 + tax has been added to your student account, which is below the publisher's website price.
- You have the choice to "opt out" of this special pricing and find your material on your own. If you prefer to "opt out", please see below. The last day to "opt out" of this content is 07/21/2025.

How Do I Opt Out?

- Access Opt-Out Customer Portal Process – Student Experience
- Inclusive Access Program delivers all required course materials to students for any of the courses participating in the program on or before the first day of class, with the cost of those materials being added as a course charge on your student account with the university or college. You can opt out of this program and acquire the required course materials on your own if you choose to.
- **Emailed Opt-Out Portal Link Process**

  You will receive an email from noreply@follett.com

  This email will provide you with directions and a link to the Opt-Out Portal. This email will be sent to your my.msutexas.edu email address.

  Please check your junk or Spam filters for this email.

If you "opt out", you lose your course material. If you "opt out" by mistake, please contact the bookstore at the email address below and you will be "re-instated" with your course materials.

For questions concerning the program or if you need assistance, please contact the Bookstore at jenny.denning@msutexas.edu.

Course Description:

This course introduces students to statistical application methods. Students will learn how to collect, manage, analyze, and interpret business data. Successful completion of the course will allow students to access the information obtainable from a dataset and present the information in a concise and meaningful form. Covered topics include descriptive statistics, probability theory, hypothesis testing, correlation, and regression analysis. The course emphasizes business and economic applications.

Learning Goals:

The general objective of this course is to help participants understand fundamental statistical methods and their applications to economic and business issues. One will gain an understanding and mastery of the relationship and application of statistical methods to real life issues.

A. **General Learning Goals**:

1. Effective critical thinking and problem-solving skills using statistical methods: Participants will demonstrate their proficiency in critical thinking

and problem solving and decision-making abilities by applying statistical methods through homework, in class discussions, and exams.
2. Communication skills: Participants will demonstrate their effective and efficient communication skills when reporting results of statistical analyses.
3. Social Responsibilities: Participants will demonstrate their intercultural competency, civic knowledge, and the abilities to engage effectively in regional, national, and global economic and business issues.
4. Personal Responsibilities: Participants will demonstrate connecting choices, actions, and consequences to statistical analysis and ethics abilities.

These general learning goals represent or are related to those established by the Dillard College of Business Administration. The goals represent the skills that graduates will carry with them into their careers. While assessing student performance in obtaining these general learning goals, the College seeks to assess its programs. The assessments will assist us as we improve our curriculum and curriculum delivery.

B. Course Specific Learning Goals:

- Understand statistical methods used to describe data
- Learn probability theory
- Learn sampling methods
- Understand confidence intervals
- Understand hypothesis testing
- Conduct correlation analysis
- Conduct regression analysis

Teaching Method:

This is an online class starting on July 7, 2025, and ending on August 7, 2025, as per the 2024-25 academic calendar. The two main learning modes here are reading the textbook and watching the lecture videos I will upload on critical concepts. Reading the textbook (mentioned earlier) is **mandatory** to understand every concept thoroughly and perform well in the course because lecture videos cannot possibly include every detail of a concept. Power-point slides and study guides for each chapter will also be uploaded to D2L to assist you in learning. We will use Excel now and again for our practical learning. It will be communicated through emails and lecture videos on D2L. Moreover, you can reach out to me anytime during the week through email (see above under "Contact Information") if you are stuck with anything or have any questions.

The entire course is divided into four modules. We will move from one module to the other sequentially. The first three modules will follow the same pattern: every

day, we will focus on one chapter only and cover the required number of chapters for the module in this way (usually 4-5 chapters in each module). Then, review these materials for one day for HW assignments. Then, submit all the HW assignments the following day. Then again, review the materials for a day before the exam. The following day, take the exam on these specific chapters covered in the module.

The fourth (or the last) module will include two case studies. You will work on each for two days and submit it at the end of the second day. Please refer to the course schedule given at the end of this syllabus to get an idea about the structure. The same is provided on D2L. All the assignments, including exams, will be conducted through D2L. Instructions for every assignment will be available on D2L and communicated through emails. You are expected to check your D2L email regularly for any announcements about this class.

Course Policies:

A. Attendance Policy:

Since this is an online class, attendance will be checked through assignment submissions. Missing 4 assignments or an exam from 07/07/2025 to 07/14/2025 will be considered excessive. Students who reach this level of missed assignments will be automatically dropped with a grade of "F," given the university attendance policy. In addition to this, missing 6 assignments during the semester is also excessive; students who reach this level of missed assignments will get a final grade of "F," given the university attendance policy. You may find this information in the Student Handbook and Activities Calendar at Handbook.

B. Other Course-Related Policies:

Academic Integrity:

As for academic honesty, students must follow the "Student Honor Creed" presented in the Student Handbook of MSU TX and failure to do so will call for sanctions.

Also, since all your assignments will be conducted through D2L, academic integrity is also applicable in this case. If I learn of students sharing the quiz/assignment contents in any way, that is a breach of academic integrity on all parties' part. Please don't do that, as I don't want to give everyone involved a 0 for the assignments (and potentially an F for the course).

Services for Students with Disabilities:

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and

the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational programs and activities. After notification of acceptance, students requiring accommodations should make an application for such assistance through Disability Support Services, located in the Clark Student Center, Room 168, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to Disability Support Services.

Campus Carry Policy

Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. The new Constitutional Carry law does not change this process. Concealed carry still requires a License-to-carry permit, and openly carrying handguns is not allowed on college campuses. For more information, visit Campus Carry.

Syllabus Change Policy:

This syllabus is a guide for the course and is subject to change with an advanced notice.

Correspondence:

All email correspondence must be conducted using your **Midwestern State University (MSU) email** only. I will not respond to any question sent from any other email account. It is highly recommended that you regularly monitor your both MSU email account and that of D2L. For your own convenience, I suggest that you link your D2L emails with your MSU email account such that any incoming message to D2L account will get automatically forwarded to your MSU email account. Note, grades will be posted on D2L and on MSU Banner and not sent over email.

Technical Support:

I, as your instructor for an economics class can only ensure that all the course materials are in working order but beyond that I cannot provide any technical support to a student's hardware/software problems. For problems related to D2L, a student is recommended to contact MSU Distance Education.

Late Submissions:

For homework assignments, I highly recommend that students not wait until the last minute to make their submissions. Since all your assignments, case studies and exams will be through D2L, we are heavily dependent on technology that may decide to abandon us at a crucial moment. Therefore, start working on assignments in advance. Any late submission needs prior permission from me and will automatically incur a penalty of ten points unless provided with a compelling reason.

For exams, no make-up exam will be allowed unless a student requests my approval in advance *and* for compelling reasons. If you miss an unexcused exam, you receive a zero and there is **no** exception to this policy.

Lastly, if you have any questions or concerns about your grades, bring that to my attention within one week of the homework/exam is graded.

Monitoring of Exams:

All exams taken on D2L will require Respondus Lockdown Browser and Webcam monitoring. So, every student is expected to have access to a webcam from the beginning of the semester. However, these monitoring tools are **not** compatible with Chromebook Laptop, Phones and Tablets. iPad can be used but you need to allow it in the setup. Contact MSU Distance Education to get proper instructions to execute this.

Grading and Evaluation Measures:

Exams: There will be three (non-cumulative) exams altogether, each of equal weight (20% each). So, **60% of your final grade** depends on your exam performance. This will mainly test your problem-solving ability as you need to *recognize the concept(s)* embedded in each question and then *apply* the concepts learned throughout the course to answer the question correctly. There will be hardly any direct questions in these exams. So, understanding the materials is the only way to succeed in this course, not rote learning.

Homework Assignments: There will be altogether 14 homework assignments, each based on a chapter. These will help you prepare for your exams. But, you will never get exactly the same questions on your exams. These assignments will together contribute to **20% of your final grade**. As the course progresses, more information and details will be communicated through emails and on D2L.

Case Study: There will be two case studies altogether in this course that will contribute to **20% of your final grade.** This will evaluate the practical learning aspect of the materials. As we progress, detailed instructions about this assignment will be communicated through emails and on D2L.

Every student is expected to be in touch with me throughout the semester regarding their performances and grades to avoid any semester-end "surprises."

Grading Scale:

A = 90-100%
B = 80-89%
C = 70-79%
D = 60-69%
F = <60%

Note: Final grades MAY be curved depending on the situation and the instructor's discretion. If a curve is implemented in the current semester, students will be communicated about the same before posting the final grades.

Class Schedule:

First day of class: July 7 (Monday)
Last day of class: August 7 (Thursday)
Last day for "W": July 23 (Wednesday) by 4 pm (drops after this will receive "F")
Exam 1: July 16 (Wednesday) (*definite*)
Exam 2: July 25 (Friday) (*definite*)
Exam 3: Aug 2 (Saturday) (*definite*)

Course Schedule (*tentative*)

Course Modules	Chapters	Homework Assignments
July 7 (Monday)	Go through the syllabus thoroughly	Understand the course structure and the deadlines
Module 1 (July 8 – 16)	Chap 1 (Data and Statistics): July 8 (Tuesday) Chap 2 (Descriptive Stats: Tables & Graphs): July 9	Review for HWs: July 13 (Sunday) HW 1, HW 2, HW 3, HW 4, and

Course Modules	Chapters	Homework Assignments
	(Wednesday) Chap 3 (Descriptive Stats: Numerical Measures): July 10 (Thursday) Chap 4 (Probability Theory): July 11 (Friday) Chap 5 (Discrete Probability Distributions): July 12 (Saturday)	HW 5: due July 14 (Monday) Review for Exam: July 15 (Tuesday) **Exam 1: July 16 (Wednesday)**
Module 2 (July 17 – 25)	Chap 6 (Continuous Probability Distributions): July 17 (Thursday) Chap 7 (Sampling and Sampling Distributions): July 18 (Friday) Chap 8 (Interval Estimation): July 19 (Saturday) Chap 9 (Hypothesis Testing): July 20 (Sunday) Chap 10 (Two Populations): July 21 (Monday)	Review for HWs: July 22 (Tuesday) HW 6, HW 7, HW 8, HW 9, and HW 10: due July 23 (Wednesday) Review for Exam: July 24 (Thursday) **Exam 2: July 25 (Friday)**
Module 3 (July 26 – Aug 2)	Chap 11 (Population Variances): July 26 (Saturday) Chap 12 (Multiple Proportions and Goodness of Fit): July 27 (Sunday) Chap 14 (Simple Linear Regression): July 28 (Monday) Chap 15 (Multiple Regression): July 29 (Tuesday)	Review for HWs: July 30 (Wednesday) HW 11, HW 12, HW 13, and HW 14: due July 31 (Thursday) Review for Exam: Aug 1 (Friday) **Exam 3: Aug 2 (Saturday)**
Module 4 (Aug 3 – 6)	Work on Case Study 1: Aug 3-4 (Sunday-Monday) Work on Case Study 2: Aug 5-6 (Tuesday-Wednesday)	Case Study I: due Aug 4 (Monday) Case Study II: due Aug 6 (Wednesday)