

Texas A&M University San Antonio
College of Business
QMBS 2305-002 Business Statistics 1 Spring 2026

Instructor Contact Information

- Name: Dr. Amy Lewis
- Office BLH 341B
- Office Telephone Number: (210) 784-2306
- Email: aclewis@tamusa.edu
- Office Hours: Tuesdays 11:00 am- 2:00 PM, Wednesdays 11:00 AM – 2:00 PM and by appointment

General Course Information

- Class Days/Time: Mondays/Wednesdays 2:00 – 3:15 PM
- Classroom: Classroom Hall 110
- Prerequisites: MATH 1324 or MATH 1314, CISA 1305/1405 or CSCI 1336.
- TSI Restrictions: Reading, Math, and Writing

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. (QMBS 2305 is included in the Business Field of Study.) Formerly BUAD 2305.

Student Learning Outcomes

After completing this course, the student will be able to:

- statistically describe data in a frequency distribution table.
- statistically describe data in a variety of graphs
- statistically describe measures of location and dispersion
- construct a probability distribution
- apply and construct sampling methods and sampling distributions
- develop and test hypothesis

AACSB Assessment

The College of Business is AACSB accredited. As part of that process, students will be assessed on program level outcomes based on course outcomes from various courses. The materials from this course may be used for assessing such program level outcomes, and hence students must follow the necessary rigor to ensure mastery and retention of the above course outcomes.

Required Materials

- Textbook: Modern Business Statistics with Microsoft Excel, 7th Ed., Anderson et al. Cengage. This book is a custom eBook. Through the bookstore's Follett Access Program, the text and access to the publisher's platform, MindTap, for completing online assignments, will be available to you 2 to 7 days before the school term starts. You will not need to order or purchase these resources yourself. You will be charged a fee as a part of your registration for the course. Students will be able to access the text, homework and quizzes through the Course Content link in Blackboard for this course. For more information, go to <https://www.bkstr.com/texasamsanantoniostore/shop/textbooks-and-course-materials>. If you have questions, contact the TAMUSA bookstore at texasamsa@bkstr.com or (210)784-1070.
- MindTap: Excel assignments in MindTap can be accessed through the Course Content link in Blackboard.
- Blackboard: Connect to <http://tamusa.blackboard.com>. You will have lecture notes, and other supplementary materials in Blackboard. It is used for communication and assignments. Students should monitor messages and announcements in Blackboard several times a day.
- Tutoring: Tutoring is available for this course at the Student Success Center (CAB 2nd floor). Also, free, 24/7 live online tutoring is available for this course through Brainfuse (Blackboard>Tools>Brainfuse).
- Calculator: A non programmable scientific calculator is required for this course. Set your calculators to four (4) decimal places for this course. You are responsible for knowing how to use the functions on your calculator. You may not use your phone as a computer on quizzes or exams.
- Computer Hardware: In order to participate in online sessions, you will need a computer with an internet connection, a microphone and speakers/headphones. To complete the class work, you will need appropriate software installed on the computer.
- Internet Browsers: Some Internet browsers will not allow complete access to some content in Blackboard (e.g., Explorer and Edge). Chrome has always worked for me to gain complete access to all content in Blackboard.
- Time Expectation for coursework: You are expected to spend 4-8 hours per week for the course. Based on the background, some student may require more time. Time spent may be longer when assignment/exams are due.
- Technology Issues: If you experience technology problems with WebAssign, there is a link to Cengage's tech support under the Course Content link in Blackboard or contact support.cengage.com. If you have technology problems with Blackboard, contact the ITS department at HelpDesk@tamusa.edu, or (210) 7844357.
- Other Recommended / Reading Materials: Additional resources will be available on the blackboard as recommended by the instructor.

Course Requirements every student must fulfill in order to succeed in this course

- Students should check the Course Calendar, Announcements, and Messages (e-mail) systems in Blackboard on a regular basis.
- Students should keep current with all course assignments, quizzes, and examinations.
- Students should ask questions and communicate with the instructor either in class, online, off-line or during office hours.
- For all classwork, exams, quizzes etc., if a student is completing it off-campus, then they are responsible for availability of internet connectivity. Extensions will not be granted for lack of availability of internet connections.
- Students should remember that online and hybrid courses assume greater responsibility and independent learning skills by the student for their own learning outcomes.

Classroom Protocol

Everyone in class is expected to follow all rules in the student handbook, as well as common courtesy during classroom lectures and discussions in class and online, including the following:

- It is the students' responsibility to obtain and be able to use the required materials and software for this class.
- Student must retain copies of all assignments and graded work for verification purposes. Keep copies of all computer files and e-mails.
- Talking while the instructor is lecturing is disruptive and discourteous.
- For any questions about the exams and assignments, a student should contact the instructor, before the day they are due, so the instructor may have enough time to provide feedback.
- All communications will be via e-mail communications to the Texas A&M University e-mail account, and students are expected to use their school provided email account and reference the course name and number. The instructor will reply to a student e-mail messages by the end of the next business day.
- All assignment submissions must be uploaded by the due date.

Course Requirements

The final course grade will be based on your performance on the quizzes, exams, and MindTap assignments. Within each category, items will be equally weighted. Your course grade will be calculated by weighing each category as follows:

25%	Mindtap Assignments (8 assignments)
15%	In class quizzes (6 quizzes)
60%	In class exams (3 exams, including the final on Monday, May 11 at 2pm)

The final letter grades will be assigned as follows: Above 90% \Rightarrow A; 80 – 89% \Rightarrow B; 70 – 79% \Rightarrow C; 60 – 69% \Rightarrow D; Below 60% \Rightarrow F.

Makeup and late assignment/quiz/exam policy

Mindtap Assignments: As a general rule, make-ups or late MindTap assignments will not be offered.

Quizzes and Exams: Late exams or quizzes will be accepted within 1 week of the due date with a 10% penalty. These will be administered through the university testing center. The instructor will waive the late penalty for excused absences such as illness or for pre-approved absences. Please email your instructor ASAP if you know you will need to request a makeup exam.

Course requirement details

MindTap Assignments

There are eight mindtap assignments that count towards your grade. You access these through blackboard. Please see blackboard for the specific deadlines, but they are due on Fridays. You may collaborate with your classmates on MindTap assignments. You are allowed to drop or miss one assignment. Your highest 7 assignments will be averaged and account for 25% of your grade.

In class Quizzes

We will have 6 in class quizzes. These will be completed independently and are open note. You are not allowed to access the internet during the quizzes. If you use an electronic device, such as a tablet, for notetaking you must receive permission from the instructor to use it as your notes during the quiz. The quizzes are paper and pencil, please bring a calculator (your phone is not allowed). You can drop or miss one quiz. The remaining 5 will be averages to account for 15% of your grade.

Exams

There will be three mandatory examinations. Missing an exam will result in a grade of zero for that exam and may result in a failing grade in the course. The exams will consist of conceptual multiple-choice questions and problem solving questions. The exam materials will come from lecture notes, the text, and class discussions. Questions will emphasize understanding and applications of concepts and topics covered in class.

All exams will be paper and pencil exams delivered in class. You will be allowed to use a hand calculator (phones are not permitted as calculators for the exams) and one letter-sized page of your own handwritten notes for the exams. All exams will be completed independently. Each exam is worth 20% of your grade, for a total of 60%.

Participation/attendance

A vital part of every student's education is regular attendance of class meetings. Any absences tend to lower the quality of a student's work, and frequent or persistent absences may result in a failing grade. Students are responsible for the materials covered in class. The course covers a lot of material and most students find at least some parts of it difficult. Class participation is highly encouraged as it makes the class more interesting and enhances the learning experience. Students are strongly encouraged to ask questions, participate in class discussions and problem solving, and visit/contact the instructor during office hours in case of questions or concerns.

Course Schedule

The provisions and information set forth in the schedule below are intended to be informational and not contractual in nature. The instructor reserves the right to amend, alter, change, delete or modify the provisions of the schedule. Any changes to the schedule will be announced in class and through blackboard.

Week	Monday	Wednesday	Course Topic	Due Online by Friday	Quiz in class on Monday
1		21-Jan	Chapter 1:Data and Statistics		
2	26-Jan	28-Jan	Chapter 1:Data and Statistics	Chapter 1 MindTap	
3	2-Feb	4-Feb	Chapter 2: Descriptive Statistics (Tabular and graphical displays)	Chapter 2 MindTap	Quiz 1
4	9-Feb	11-Feb	Chapter 3: Descriptive Statistics (Numerical measures)	Chapter 3 MindTap	
5	16-Feb	18-Feb	Unit 1:wrap up and summary		Quiz 2
6	23-Feb	25-Feb	Exam 1 (Feb 23) and start unit 2		
7	2-Mar	4-Mar	Chapter 4: Probability	Chapter 4 MindTap	
8	9-Mar	11-Mar	Spring Break-No Classes		
9	16-Mar	18-Mar	Chapter 5: Discrete Probability Distributions	Chapter 5 MindTap	
10	23-Mar	25-Mar	Chapter 6: Continuous Probability Distributions	Chapter 6 MindTap	Quiz 3
11	30-Mar	1-Apr	Unit 2: Wrap up and Summary		Quiz 4
12	6-Apr	8-Apr	Exam 2 (April 6) and start unit 3		
13	13-Apr	15-Apr	Chapter 7: Sampling and Sampling Distributions	Chapter 7 MindTap	
14	20-Apr	22-Apr	Chapter 8: Interval Estimation	Chapter 8 MindTap	Quiz 5
15	27-Apr	29-Apr	Chapter 9: Hypothesis Tests		Quiz 6
16	4-May		Unit 3: Wrap Up and Course Summary		
Final	May 11 2pm				

IMPORTANT POLICIES AND RESOURCES

University Email Policy and Course Communications: All correspondence between professors and students must occur via University email accounts. You must have your Jaguar email account ready and working. If it is not working, contact the help desk at helpdesk@tamusa.edu or at 210-784-HELP (4357). If you don't hear back within 48 hours, contact them again. They have many requests during the first part of the semester, so you may need to follow up with them.

Academic Accommodations for Individuals with Disabilities: Texas A&M University-San Antonio is committed to providing all students with reasonable access to learning opportunities and accommodations in accordance with The Americans with Disabilities Act, as amended, and Section 504 of the Rehabilitation Act. If you experience barriers to your education due to a disability or think you may have a disability, Disability Support Services is located in the Central Academic Building, Suite 210. You can also contact us via phone at (210) 784-1335, visit us at the [website](#) or email us at dss@tamusa.edu. Disabilities may include, but are not limited to, attentional, learning, mental health, sensory, physical, or chronic health conditions. All students are encouraged to discuss their academic accommodations with Disability Support Services and their instructors as soon as possible.

Academic Learning Center: All currently enrolled students at Texas A&M University-San Antonio can utilize the Academic Learning Center for subject-area tutoring. The Academic Learning Center provides free course-based tutoring to all currently enrolled students at Texas A&M University-San Antonio. Students wishing to work with a tutor can make appointments through the Brainfuse online tutoring platform. Brainfuse can be accessed in the *Tools* section of Blackboard. You can contact the Academic Learning Center by emailing tutoring@tamusa.edu, calling (210) 784-1307, or visiting the Central Academic Building, room 202. Online tutoring is also available for after hours and weekend assistance.

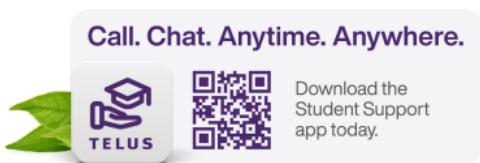
While tutoring hours may change based on tutor schedules and availability, the current tutoring hours for MATH in the ALC are as follows:

	Appointments available	Walk in Tutoring – No appointment needed
MONDAY	8 am – 6 pm	9 am – 5 pm
TUESDAY	8 am – 6 pm	9 am – 5 pm
WEDNESDAY	8 am – 6 pm	9 am – 5 pm
THURSDAY	8 am – 6 pm	9 am – 5 pm
FRIDAY	8 am – 5 pm	11 am – 4 pm

Counseling/Mental Health Resources: As a college student, there may be times when personal stressors interfere with your academic performance and negatively impact your daily functioning. If you are experiencing emotional difficulties or mental health concerns, support is available to you through the Student Counseling Center (SCC). To schedule an appointment, visit our website, call 210-784-1331 or visit Madla 120 between the hours of 8:00 AM and 5:00 PM.

All mental health services provided by the SCC are free and confidential (as the law allows). The Student Counseling Center provides brief individual and group therapy, crisis intervention, consultation, case management, and prevention services. *Crisis support is available 24/7/365 by calling the SCC at 210-784-1331 or through the TELUS student support App.*

The TELUS Student Support App provides a variety of mental health resources to including 24/7/365 support for in the moment distress, crisis support, an anonymous peer-to-peer support network, mental health screenings, podcasts, and articles to improve your mental wellbeing.



Emergency Preparedness: JagE Alert is Texas A&M University-San Antonio's mass notification system. In the event of an emergency, such as inclement weather, students, staff and faculty, who are registered, will have the option to receive a text message, email with instructions and updates. To register or update your information visit: <https://tamusa.bbcportal.com/>. More information about Emergency Operations Plan and the Emergency Action Plan can be found [here](#). Download the SafeZone App (<https://safezoneapp.com/>) for emergencies or call (210) 784-1911. Non-Emergency (210) 784-1900.

Financial Aid and Verification of Attendance: According to the following federal regulation, 34 CFR 668.21: U.S. Department of Education (DoE) Title IV regulation, a student can only receive Title IV funds based on Title IV eligibility criteria which include class attendance. If Title IV funds are disbursed to ineligible students (including students who fail to begin attendance), the institution must return these funds to the U.S. DoE within 30 days of becoming aware that the student will not or has not begun attendance. Faculty will provide the Office of Financial Aid with an electronic notification if a student has not attended by the published Census Date (the first week of class). Any student receiving federal financial aid who does not attend prior to the published Census Date (the first week of class) will have their aid terminated and returned to the DoE. Please note that any student who stops attending at any time during the semester may also need to return a portion of their federal aid.

Jaguar Writing, Language, and Digital Composing Center (WLDCC): The Jaguar Writing Center provides writing support to graduate and undergraduate students in all three colleges as well as faculty and staff. Writing tutors work with students to develop reading skills, prepare oral presentations, and plan, draft, and revise their written assignments. Our language tutors support students enrolled in Spanish courses and students composing in Spanish for any assignment. Our digital studio tutors support students working on digital projects such as eportfolios, class presentations, or other digital multimedia projects. The Writing Center offers face-to-face, synchronous online, and asynchronous digital appointments. Students can schedule appointments with the Writing Center in JagWire under the Student Services tab. Click on "Writing, Language, and Digital Composing Center" to make your appointment. Students wanting to work in realtime with a tutor can schedule an "Online Appointment." Students wishing to receive asynchronous, written feedback from a tutor can schedule an "eTutoring" appointment. More information about what services we offer, how to make an appointment, and how to access your appointment can be found on our [website](#). The Writing Center can also be reached by emailing writingcenter@tamusa.edu.

Meeting Basic Needs: Any student who has difficulty affording groceries or accessing sufficient food to eat every day or who lacks a safe and stable place to live, and believes this may affect their performance in the course, is urged to submit a [CARE report](#) for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable them to direct you to available resources. A food pantry is available on campus; click [here](#) for hours and contact information.

Military Affairs: Veterans and active-duty military personnel are welcomed and encouraged to visit the Office of Military Affairs for any question involving federal or state VA Education Benefits. Visit the Patriots' Casa building, room 202, or to contact the Office of Military Affairs with any questions at military.va@tamusa.edu or (210)784-1397.

Religious Observances: Texas A&M University-San Antonio recognizes the wide variety of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holidays according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or course work requirements that may be missed due to a religious observance provided they notify their instructors before the end of the second week of classes for regular session classes.

The Six-Drop Rule: Students are subject to the requirements of Senate Bill (SB) 1231 passed by the Texas Legislature in 2007. SB 1231 limits students to a maximum of six (6) non-punitive course drops (i.e., courses a student chooses to drop) during their undergraduate careers. A non-punitive drop does not affect the student's GPA. However, course drops that exceed the maximum allowed by SB 1231 will be treated as "F" grades and will impact the student's GPA.

Statement of Harassment and Discrimination: Texas A&M University-San Antonio is committed to the fundamental principles of academic freedom, equal opportunity, and human dignity. To fulfill its multiple missions as an institution of higher learning, A&M-San Antonio encourages a climate that values and nurtures collegiality and the uniqueness of the individual on our campus and within our state, nation, and world. All decisions and actions involving students and employees are to be based on applicable law and individual merit. Texas A&M University-San Antonio, in accordance with applicable federal and state law, prohibits discrimination, including harassment, on the basis of race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation, or pregnancy/parenting status. Individuals who believe they have experienced harassment or discrimination prohibited by this statement are encouraged to contact the University's Civil Rights Officer at 210-784-2061 or titleix@tamusa.edu.

Texas A&M University-San Antonio faculty are committed to providing a safe learning environment for all students and for the university as a whole. If you have experienced any form of sex discrimination or harassment, including sexual assault, sexual harassment, domestic or dating violence, or stalking based on sex, know that help and support are available. A&M-San Antonio's Title IX Coordinator can support those impacted by such conduct in navigating campus life, accessing health and counseling services, providing academic and housing accommodations, and more. The university strongly encourages all students to report any such incidents to the Title IX Coordinator. Please be aware that all A&M-San Antonio employees (other than those designated as confidential resources such as counselors and trained victim advocates) are required to report information about such discrimination and harassment to the university. This means that if you tell a faculty member about a situation of sexual harassment, sexual violence, or other related sex-based misconduct, the faculty member must share that information with the university's Title IX Coordinator (titleix@tamusa.edu, 210-784-2061, CAB 439K). If you wish to speak to a confidential employee who does not have this reporting requirement, you can contact the Student Counseling Center at (210) 784-1331 or visit them in Madla 120.

Pregnant/Parenting Students: Texas A&M-San Antonio does not require a pregnant or parenting student, solely because of that status or issues related to that status, to (1) take a leave of absence or withdraw from their degree or certificate program; (2) limit the student's studies; (3) participate in an alternative program; (4) change the student's major, degree, or certificate program; or (5) refrain from joining or cease participating in any course, activity, or program at the University. The university will provide such reasonable accommodations to pregnant students as would be provided to a student with a temporary medical condition that are related to the health and safety of the student and the student's unborn child. These could include maintaining a safe distance from substances, areas, and activities known to be hazardous to pregnant individuals and their unborn child; excused absences because of illness or medical appointments; modified due dates for assignments; rescheduled tests/exams; taking a leave of absence; and being provided access to instructional materials and video recordings of lectures for excused absences, if these would be provided to any other student with an excused absence. Pregnant/parenting students are encouraged to contact the Title IX Coordinator with any questions or concerns related to their status (titleix@tamusa.edu; 210-784-2061; CAB 439K).

Texas A&M-San Antonio has also designated the Title IX Coordinator as the liaison officer for current or incoming students who are the parent or guardian of a child younger than 18 years of age. The Title IX Coordinator can provide students with information regarding support services and other resources. Young Jaguars can support parenting students with daycare if students meet this criteria: (1) must be enrolled in classes at Texas A&M-San Antonio in the current semester, (2) must be Pell eligible or a single parent, (3) child(ren) must be aged 3 to 12-years-old, and (4) child(ren) must be enrolled in Pre-K-3 through 6th grade. For more information, please contact Young Jaguars at youngjaguars@tamusa.edu or call (210) 784-2636.

Students' Rights and Responsibilities: The following statement of students' rights and responsibilities is intended to reflect the philosophical base upon which University Student Rules are built. This philosophy acknowledges the existence of both rights and responsibilities, which is inherent to an individual not only as a student at Texas A&M University-San Antonio but also as a citizen of this country.

Students' Rights

1. A student shall have the right to participate in a free exchange of ideas, and there shall be no University rule or administrative rule that in any way abridges the rights of freedom of speech, expression, petition and peaceful assembly as set forth in the U.S. Constitution.
2. Each student shall have the right to participate in all areas and activities of the University, free from any form of discrimination, including harassment, on the basis of race, color, national or ethnic origin, religion, sex, disability, age, and pregnancy/parenting or veteran status in accordance with applicable federal and state laws.
3. A student has the right to personal privacy except as otherwise provided by law, and this will be observed by students and University authorities alike.
4. Each student subject to disciplinary action arising from violations of university student rules shall be assured a fundamentally fair process.

Students' Responsibilities

1. A student has the responsibility to respect the rights and property of others, including other students, the faculty, and administration.
2. A student has the responsibility to be fully acquainted with the published University Student Rules found in the Student Handbook, [Student Code of Conduct](#), on our website, and University Catalog, and to comply with them, as well as with federal, state, and local laws.
3. A student has the responsibility to recognize that student actions reflect upon the individuals involved and upon the entire University community.
4. A student has the responsibility to recognize the University's obligation to provide a safe environment for learning.
5. A student has the responsibility to check their university email for any updates or official university notifications.

We expect that students will behave in a manner that is dignified, respectful, and courteous to all people, regardless of sex, ethnic/racial origin, religious background, or disability. Conduct that infringes on the rights of another individual will not be tolerated.

Students are expected to exhibit a high level of honesty and integrity in their pursuit of higher education. Students engaging in an act that violates the standards of academic integrity will find themselves facing academic and/or disciplinary sanctions. Academic misconduct is any act, or attempt, which gives an unfair advantage to the student. Additionally, any behavior specifically prohibited by a faculty member in the course syllabus or class discussion may be considered as academic misconduct. For more information on academic misconduct policies and procedures please review the [Student Code of Conduct](#) or visit the resources available in the [OSRR website](#)

Important Spring 2026 Dates:

Dates	Event
January 13	Tuition & Fee Payments deadline
January 19	Martin Luther King, Jr. – No Classes
January 20	First day of class
February 4	Census date
February 23-March 6	Midterm grading period

March 9-March 14	Spring Break
April 3	Study Day – No classes
April 17	Last day to drop with an automatic “W”
May 1	Last day to drop a course or withdraw from the University
May 4	Last day of classes
May 5	Study Day – No classes
May 6-May 12	Final exams
May 19	Commencement

The complete [academic calendar](#) is available online

Generative AI Policy

Option 3 – Broader Use of Generative AI Permitted Within Guidelines

Use of artificial intelligence (AI) tools, including ChatGPT, is permitted in this course for students who wish to use them. To adhere to our scholarly values, students must cite any AI-generated material that informed their work (this includes in-text citations and/or use of quotations, and in your reference list). Using an AI tool to generate content without proper attribution qualifies as academic dishonesty and violates Texas A&M-San Antonio's standards of academic integrity.