

Texas A&M University San Antonio
College of Business
QMBS 3360 Business Statistics 2

Section 001: Tuesday/Thursday 12:30 – 1:45

Fall 2026

Instructor Contact Information

- Name: Dr. Amy Lewis
- Office BLH 341B
- Office Telephone Number: (210) 784-2306
- Email: aclewis@tamusa.edu
- Office Hours: Wednesdays from 9:00 – 3:00 and by appointment (zoom preferred)
- Email or blackboard messages are the most effective way to get in touch with me. I will respond within 1 business day. I do not check my messages in the evenings or on the weekends

General Course Information

- Blackboard will be used for announcements and grades
- Prerequisites: QMBS 2305 with a grade of C or better
- TSI Restrictions: Reading, Math, and Writing

Course Description

This course is a continuation of Business Statistics I. This series explores descriptive and inferential statistical techniques for business and economic decision making. Building on the concepts and application learned in QMBS 2305, this course focuses on the statistical concepts including, but not limited to, hypothesis testing, goodness-of-fit, tests of independence, analysis of variance (ANOVA), linear and multiple regression, and time series.

Student Learning Outcomes

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

1. effectively describe the results of various statistical analysis
2. develop and test hypothesis
3. apply analysis of variance
4. apply goodness-of-fit and tests of independence analysis
5. apply correlations and regression
6. forecast through time-series

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: Essentials of Modern Business Statistics with Microsoft Excel, by Camm et al. (9th edition). ISBN: 9780357984468 .
- 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: You will need a hand calculator. I recommend the TI-30Xa, although any basic calculator will work if it has a square root function. Please note: you may NOT use your phone as a calculator on quizzes or exams, and you cannot share calculators on quizzes or exams.
- A computer with access to Microsoft Excel
- 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.
- 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.

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.
- 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 submitted by the due date.

Course Requirements

The final course grade will be based on your performance in the following categories: Homework, Quizzes, and Exams. Within each category, items will be equally weighted. Your course grade will be calculated by weighing each category as follows:

- 15% Homework assignments (turned in hard copy during class)
- 25% In class Quizzes
- 60% In Class exams (includes the final)

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

Your Homework and Exams can be completed up to 1 week late with a 10% penalty. Please contact the instructor to make arrangements for makeup exams at the testing center, as they need advanced notice to schedule proctoring.

Your quizzes can be taken late with a 10% penalty, however, they must be completed before the following class period. Once quizzes are returned in class the following Tuesday, no late quizzes will be accepted.

Course requirement details.

Homework Assignments (15% of total grade)

We will have 9 homework assignments that will be turned in as a hard copy in class. Homework assignments will be assigned in class the session before they are due and will be collected at the start of class. You may work with classmates on the homework; however, each student needs to turn in their own answers. Any homework assignments turned in after we go over the answers at

the start of class will be counted as late as addressed above. You may drop or miss one homework assignment, the remaining 8 will be averaged to account for this portion of your grade. These are typically due on Tuesdays

Exams (60% of final grade)

There are three exams in this class. They will each count for 20% of your final course grade. For the exam, you are allowed to use your calculator (no phones) and 1 page (front and back) of your own handwritten notes. You may take an exam up to 1 week late with a 10% penalty, as outlined above. Once the exams have been handed back in class the following week, no further late work will be accepted. Please coordinate with the instructor as soon as possible if you need to schedule a makeup exam at the university testing center. Exam 1 will be on Tuesday, September 22. Exam 2 will be on Tuesday, October 27. Exam 3 will be on Thursday December 10—please check the university final exam schedule for the exact time of this final exam.

Quizzes (25% of total grade)

There are 6 in-class quizzes, typically on Thursdays. These will build on the in-class problems and homework assignments. These are completed individually and are open note (but not open book/computer). You will need to bring your calculator for these quizzes and may not use your phone as a calculator. You will have 15 minutes in class for the quizzes. Late quizzes are allowed at a 10% penalty but must be completed before the quizzes are returned in class on the following Tuesday. You may drop or miss 1 quiz; the remaining 5 will be averaged to account for this portion of your grade.

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	Day of week	Date	Topic	In class	Other
1	Tuesday	August 25, 2026	Introduction to Course	Verify Attendance	
1	Thursday	August 27, 2026	Review Business Stats 1	Verify Attendance	
2	Tuesday	September 1, 2026	Review Business Stats 1	Homework 1 Due	
2	Thursday	September 3, 2026	Chapter 9: Hypothesis testing	Quiz 1	
3	Tuesday	September 8, 2026	Chapter 9: Hypothesis testing	Homework 2 Due	Census Date: September 9
3	Thursday	September 10, 2026	Chapter 9: Hypothesis testing	Quiz 2	
4	Tuesday	September 15, 2026	Unit 1 wrap-up	Homework 3 Due	
4	Thursday	September 17, 2026	Unit 1 review		
5	Tuesday	September 22, 2026	Exam 1: Covers review and chapter 9		
5	Thursday	September 24, 2026	Start Unit 2		
6	Tuesday	September 29, 2026	Chapter 10: 2 group hypothesis tests		
6	Thursday	October 1, 2026	Chapter 10: 2 group hypothesis tests		
7	Tuesday	October 6, 2026	Chapter 11: Inferences about variances	Homework 4 Due	
7	Thursday	October 8, 2026	Chapter 13: Analysis of Variance	Quiz 3	
8	Tuesday	October 13, 2026	Chapter 13: Analysis of Variance	Homework 5	
8	Thursday	October 15, 2026	Chapter 13: Analysis of Variance	Quiz 4	
9	Tuesday	October 20, 2026	Unit 2 Wrap-up	Homework 6	
9	Thursday	October 22, 2026	Unit 2 Review		

10	Tuesday	October 27, 2026	Exam 2: Covers Chapters 10, 11, 13		
10	Thursday	October 29, 2026	Start Unit 3		
11	Tuesday	November 3, 2026	Chapter 14: Simple Linear Regression		
11	Thursday	November 5, 2026	Chapter 14: Simple Linear Regression		
12	Tuesday	November 10, 2026	Chapter 14: Simple Linear Regression	Homework 7 Due	
12	Thursday	November 12, 2026	Chapter 15: Overview of Multiple regression and time series	Quiz 5	Last Day to Drop: November 13
13	Tuesday	November 17, 2026	Chapter 12: Chi Squared goodness of fit and independence	Homework 8 Due	
13	Thursday	November 19, 2026	Chapter 12: Chi Squared goodness of fit and independence	Quiz 6	
14	Tuesday	November 24, 2026	Chapter 12: Chi Squared goodness of fit and independence		
14	Thursday	November 16, 2026	Thanksgiving		
15	Tuesday	December 1, 2026	Unit 3 Wrap-up	Homework 9 Due	
15	Thursday	December 3, 2026	Unit 3 Review		
Final Exam	Thursday	December 10, 2026	Final Exam Covers Chapters 12 and 14		Final starts at noon

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. All students are encouraged to discuss their academic accommodation 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:

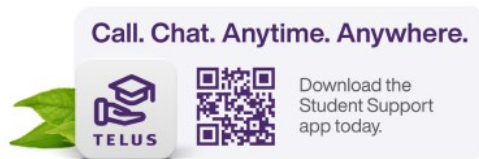
Appointments available MATH Walk in Tutoring – No appointment needed

	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 on emergency response may be found at: [Emergency Operations Plan](#) and the [Emergency Action Plan](#). 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 WLDCC provides 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 WLDCC offers face-to-face, synchronous online, and asynchronous digital appointments. Students can schedule appointments with the WLDCC 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 WLDCC can also be reached by emailing wldcc@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. Hours

of operation is Monday-Thursday 3:30pm-9:00pm. 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 Fall 2026 Dates:

Dates	Event
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August 20	Tuition & Fee Payments deadline
August 24	First day of class
September 7	Labor Day Holiday – No Classes / University Closed
September 9	Census Date – Students not paid in full or enrolled in a payment plan by 4:59 pm may be dropped for non-payment
October 5 – October 16	Midterm grading period
November 13	Last day to drop with an automatic “W”
November 25	Study Day – No classes
November 26-November 28	Thanksgiving Holiday – No Classes / University Closed
November 30	Last day to drop a course or withdraw from the University
December 4	Last day of classes
December 5 – December 11	Final exams
December 15	Commencement

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

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.