



QMBS 3360:001 Business Statistics II, Spring 2026, CRN: 22912
Department of Management and Marketing, College of Business
Course Syllabus

Class Meeting Time and Place: Tu, Th: 5:30-6:45 PM, CAB 219
Class Duration: 01/20/2026 - 05/12/2026
Instructor: Mirsab Zar
Office: BLH 241 or Zoom
E-Mail: mzar@tamusa.edu
Student emails will receive a reply within two business days.
Course Website: <http://tamusa.blackboard.com/>
Office Hours: Tu, Th: 4:30-5:30 pm or by appointment

Catalog 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. TSI Restriction(s): Reading, Math, and Writing

Prerequisites: QMBS 2305 with a grade of C or better.

Student Learning Outcomes: After successful completion of this course, students 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:

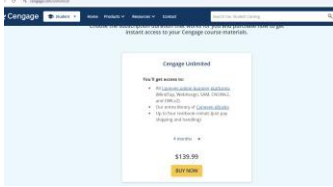
- **Textbook (e-book):** Modern Business Statistics with Microsoft Excel, 7th Ed., Anderson et al. Cengage

When you search for the textbook from the campus bookstore, you will see Cengage Unlimited instead of the textbook. You must purchase Cengage Unlimited. It provides unlimited access to Cengage materials, including **e-books and platforms** such as WebAssign and MindTap. So, if you already purchased Cengage Unlimited from other courses for this semester, you don't need to repurchase it.

- **MindTap:** Excel Activities, homework assignments and quizzes will be administered through MindTap.

Procedure for Enrolling in Cengage MindTap:

1. Create an account on Cengage using your Jaguar email: <https://www.cengage.com/>
2. Purchase a Cengage Unlimited subscription:
 - Buy it from the University bookstore or directly from the Cengage website: <https://www.cengage.com/unlimited/>
 - If you plan to enroll in courses that require Cengage Unlimited for the upcoming semester, I strongly recommend choosing the 1-year subscription (\$229.99) over the 4-month option (\$149.99) to save on costs. The list of courses utilizing Cengage products is provided in 'WebAssign Access' folder in Blackboard. Please take a moment to review the list.



3. **Redeem your Access code:** If you purchased Cengage Unlimited **directly from the Cengage website**, you **will not receive a separate access code**. Your subscription is automatically linked to your Cengage account. If you purchased through a **bookstore or third-party retailer**, you should have received an access/PIN code **on your receipt**, which must be entered to activate your subscription. (Refer to the picture below.)



4. **Enroll yourself in our MindTap course by using the following course key:**

Course Key: GWMT-3FE4-OVID-RIFJ

5. Check your course dashboard on MindTap; If it displays your assignments, you have successfully enrolled.
6. Proceed to complete the sample test (non-graded) in MindTap

- **Blackboard:** Connect to <http://tamusa.blackboard.com>. You will have lecture notes, and other supplementary materials in Blackboard. Exams will be conducted through Blackboard as well. Students should monitor announcements in Blackboard several times a day.
- **Excel:** You will be required to use Microsoft Excel. This product is available in the computer labs on campus and available to you, as a student, via Office 365 download via the university. You will also be able to download the installation software from the Microsoft software center. You will receive your login name and password at your Jaguar email address.
- **Calculator:** Almost any calculator will work.
- **Time Expectation for coursework:** You are expected to spend 4-8 hours per week for the course. Based on the background, some students may require more time. Time spent may be longer when assignment/exams are due.

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

1. Students should check the Course Calendar, Announcements in Blackboard, and Emails on a regular basis.
2. Students should keep current with all course assignments, quizzes, and examinations.
3. If the course uses remote proctoring for exams, students must schedule their exam early in the semester.
4. Students should ask questions and communicate with the instructor either in class or during office hours.
5. For all classwork, exams, quizzes etc., students are responsible for the availability of internet connectivity. Extensions will **not** be granted for lack of availability of internet connections.

Grading Policy: The final course grade will be based on your performance on the quizzes, exams and class attendance using the following weights:

Attendance	10%
Excel Assignments	10%
Homework Assignments	10%
Quizzes	20%
Midterm Exam	25%
Final Project	25%

The final letter grades will be assigned as follows: Above 90% \Rightarrow A; 80-89.99% \Rightarrow B; 70-79.99% \Rightarrow C; 60-69.99% \Rightarrow D; Below 60% \Rightarrow F. This course has a requirement of a grade of C as a minimal grade for satisfactory completion of this course.

The instructor reserves the right to adjust the student's final grade based on the overall performance.

ATTENDANCE: Attendance is required. Class absences will be allowed only under very special circumstances: the student is responsible for completing any class work missed and obtaining the assignment for the missing class.

If you missed more than 25% of the classes, your final grade will be adjusted to one letter lower.

If you missed more than 50% of the classes, your final grade will be F.

Excel Assignments: There will be 13 independent learning Excel activities in this course. MindTap will be utilized to assist students with their independent learning of the subject. Students may retake the Excel assignments an unlimited number of times prior to the due date, and the system will save the highest score achieved. Each Excel assignment is worth 10 points, totaling 130 points. However, three of these grades will be dropped, resulting in a maximum score of 100 points available. Please note that although you have the option to drop three of these assignments, you are still responsible for the content contained within all of them.

Homework assignments and Quizzes: There will be 5 homework assignments and 5 quizzes throughout the semester. **Extensions will not be given for late work unless there is a university-wide disruption of blackboard or internet connectivity. Lack of internet availability off campus will not be accepted as a reason for late work.** These will be open notes but must be completed independently.

Midterm Exam: There will be a midterm exam scheduled during regular class time. The exam material will come from lecture notes, the textbook, and class discussions. Questions will emphasize understanding and applications of concepts and topics covered in class. Please note that **no make-up or late submissions will be accepted for missed exams**. Students who do not take the exam within the scheduled exam period will receive a grade of zero, which could result in a failing grade for the course.

Final Project: The final project will allow students to utilize concepts covered in class in a real-world example. Students will be split up into groups and will be allowed to choose their own datasets, which will need to be approved by the instructor. Presentations will be held during class time and should include a description of the dataset, accompanied by a detailed analysis. Further details will be provided by the instructor.

Academic Integrity sanctions: Incidents of academic misconduct such as cheating will result in a minimum sanction of a 0 on the assignment/quiz/exam. All cases of suspected academic misconduct will be reported to the office of student rights and responsibilities.

Make up and Late exam policy As a general rule, no make-ups or late submissions will be offered/accepted for any missed exams. Late submissions or make-ups may be accepted/administered only in extra-ordinary circumstances such as an excused official university activity, a severe illness, or a dire emergency. However, you must provide comprehensive documentation within a few days of the missed exam.

Class conduct and Civility code: 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:

1. Students are expected to be in class on time and to remain until the end of the class.
2. Attendance may be taken at the beginning or the end of the class.
3. It is the students' responsibility to obtain and be able to use the required materials and software for this class.
4. Students must retain copies of all assignments and graded work for verification purposes and provide it to the instructor, if necessary. Keep own copies of all computer files and e-mails till final grade is received.
5. Talking while the instructor is lecturing is extremely disruptive and discourteous to the instructor and other students.
6. Using computers or phones (except for a valid urgent need) during class for a purpose not related to class is disruptive. All cell phones and gadgets should be turned OFF and headphones removed.
7. For any questions about the exams and assignments, a student should contact the instructor well in advance of the day they are due, so the instructor may have enough time to provide feedback.
8. 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. It is the responsibility of the students to check their TAMUSA email regularly to receive updates on the logistics of the course. The instructor will reply to a student e-mail messages within 48 hours during weekdays (Monday-Friday).
9. All assignment submissions must be uploaded by the due date.
10. Food is not allowed in class, but coffee/soft drinks/water are allowed.

Anyone violating these policies may be subject to disciplinary actions.

Class attendance and Participation: A vital part of every student's education is regular attendance of class meetings for face-to-face/hybrid classes/online synchronous classes. 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 is intensive and challenging, and you are expected to master the materials presented in class. The structure of the class makes your individual study and preparation outside of class extremely important and may vary considerably based on student background. However, a **minimum** of four hours of work outside the class is expected for every one hour of class period per week.

Spring 2026, QMBS 3360:001, Business Statistics II Class Schedule

The provisions and information set forth in the schedule below are intended to be informational and not contractual in nature. I reserve the right to amend, alter, change, delete or modify the provisions of the schedule. All the changes will be announced in class/Blackboard, and you are responsible for the announcements made in class/Blackboard.

Week	Date	Chapters
Week 1	Jan. 20 & 22	Introduction (Syllabus), Review Statistics 1
Week 2	Jan. 27 & 29	Chapter 9
Week 3	Feb. 3 & 5	Chapter 9
Week 4	Feb. 10 & 12	Chapter 9
Week 5	Feb. 17 & 19	Chapter 10
Week 6	Feb. 24 & 26	Chapter 10
Week 7	Mar. 3 & 5	Chapter 11

Week 8	Mar. 10 & 12	Spring Break (No Class)
Week 9	Mar. 17 & 19	Chapter 11
Week 10	Mar. 24 & 26	Review; Midterm Exam (covers Chapters 9, 10, and 11)
Week 11	Mar. 31 & Apr. 2	Chapter 12
Week 12	Apr. 7 & 9	Chapter 12
Week 13	Apr. 14 & 16	Chapter 13
Week 14	Apr. 21 & 23	Chapter 13
Week 15	Apr. 28 & 30	Final Project Presentations
Week 16	May 5 & 7	No Class

Assignment and Quiz Schedule

Homework Assignment & Quiz	Open date	Due date
	Wed, 9 am	Tue, 11:59pm
Assignments & Quiz 1 (Ch. 9)	Jan. 28	Feb. 17
Assignments & Quiz 2 (Ch. 10)	Feb. 18	Mar. 3
Assignments & Quiz 3 (Ch. 11)	Mar. 4	Mar. 31
Assignments & Quiz 4 (Ch. 12)	Apr. 1	Apr. 14
Assignments & Quiz 5 (Ch. 13)	Apr. 15	Apr. 28

EXCEL Assignments	Open date	Due date
Chapter 9	Jan. 22	May. 1, Friday, 11:59pm
Chapter 10		
Chapter 11		
Chapter 12		
Chapter 13		

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:

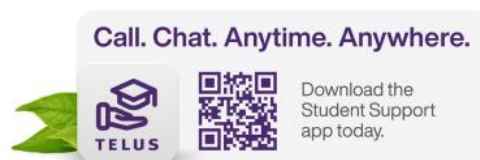
	Appointments available	Walk in Tutoring – No appointment needed
MONDAY	8 am – 6 pm	9 am – 5 pm
TUESDAY	8 am – 6 pm	9 am – 5 pm
WEDNESDAY	8 am – 6 pm	9 am – 5 pm
THURSDAY	8 am – 6 pm	9 am – 5 pm
FRIDAY	8 am – 5 pm	11 am – 4 pm

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):

QMBS 3360:001, Business Statistics II, Spring 2026, Syllabus, Mirsab Zar

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

QMBS 3360:001, Business Statistics II, Spring 2026, Syllabus, Mirsab Zar

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 Artificial Intelligence (AI):

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.

NOTE: Guidance for how to cite AI-generators, like ChatGPT, can be found here <https://apastyle.apa.org/blog/how-to-cite-chatgpt>