

QMBS 2301: 902 Quantitative Skills, Fall 2026, CRN: 11246

Department of Management and Marketing, College of Business

Course Syllabus

Class Meeting Time and Place: **W:2-3:15pm, Hall 201**
Class Duration: 8/24/2026-12/11/2026
Instructor: Hyunjung Oh,
Office: BLH 241-D
E-Mail: hyunjung.oh@tamusa.edu
Student emails will receive a reply within two business days.
Course Website: <http://tamusa.blackboard.com/>
Office Hours: T: 11am-1pm (online),
W: 9:30am-12:30 pm, 4:45-5:45 pm, and by appointment

Catalog Course Description: This course is a comprehensive introduction to the concepts and applications of mathematics to commercial business problems. The course focuses on the quantitative and analytical methods in the context of practical business applications to enhance essential problem-solving skills of business students. This course will expose students to the major business applications to be encountered in business courses through approaches that reinforce formulation, reasoning and interpretive problem-solving skills essential to practical understanding of business concepts.

Course Objectives: the objective of the course is to describe the major business applications which students will encounter in future business courses.

Prerequisites: MATH 1324 or 1314, CISA 1305 or CSCI 1336.

Student Learning Outcomes: After successful completion of this course, students will be able to:

- 1) Understand how basic problems in an array of business applications are formulated,
- 2) Apply basic problem-solving methods in business applications,
- 3) Explain the basic decision analysis processes applied in business,
- 4) Use and interpret information/data organization related to business applications.
- 5) Apply critical thinking methods in interpreting business application presentations related to business concepts.
- 6) Perform quantitative financial computations using a range of resources to include software tools.

AACSB Assessment:

The College of Business received AACSB accreditation in Spring 2023. 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): Contemporary Mathematics for Business and Consumers, 9th Ed., by Brechner & Bergeman, 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.

- **Cengage WebAssign:** Homework assignments, quizzes, and exams will be administered through WebAssign. Therefore, students are required to purchase a Cengage Unlimited subscription.
- **Blackboard:** Connect to <http://tamusa.blackboard.com>. You will have lecture notes, and other supplementary materials on Blackboard. Your user ID is the Jaguar ID (aka J Number e.g. J00001234). Students should monitor announcements in Blackboard several times a day.
- **Calculator**
- **Time Expectation for coursework:** This course requires an average of 4-8 hours of weekly study time, but some students may need to devote more hours depending on their background knowledge. Additionally, the time required may increase during the weeks when assignments or exams are due.

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

1. Students should check the Course Calendar, Announcements on Blackboard, and Emails on a regular basis.
2. Students should keep current with all course assignments, quizzes, and examinations.
3. If the course uses proctoring for exams, students must schedule their exam early in the semester.
4. Students should ask questions and communicate with the instructor online.
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.
6. For online courses, students should keep current on class recordings.
7. Students should remember that online courses assume greater responsibility and independent learning skills by the student for their own learning outcomes.
8. For online asynchronous courses, there will be no online class sessions. All materials will be made available through Blackboard or through online links.

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%
Assignments	20%
Quizzes	20%
Exam 1	25%
Exam 2	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.

Homework assignments and Quizzes: There will be 6 homework assignments and 6 quizzes throughout the semester, all conducted on WebAssign. These will be open notes but must be completed independently. Makeup quizzes and homework assignments will not be allowed. Extensions will not be given for late work unless there is a university wide disruption of blackboard or internet connectivity. Lack of internet access off-campus will not be considered a valid reason for late submission.

Exams: There will be two mandatory exams, both administered through WebAssign. The midterm exam will be a take-home exam, while the final exam must be taken in person at the University testing center. Specific details regarding exam administration and the sign-up process for the final will be provided at least two weeks in advance. Due to limited capacity, it will be necessary to schedule your final exam in advance. Both exams will consist of multiple-choice questions, with materials drawn from lecture notes, the textbook, and class discussions. Questions will emphasize understanding and application of the concepts covered in class. Please note that no make-up or late submissions will be accepted for missed exams. Students not taking an exam within the exam period will get a grade of zero and this may result in a failing grade in the course.

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. Take note that plagiarism and other forms of academic dishonesty is subject to severe penalties at the TAMUSA.

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. It is the students' responsibility to obtain and be able to use the required materials and software for this class.
2. Students must retain copies of all assignments and graded work for verification purposes and provide it to the instructor, if necessary. Keep your own copies of all computer files and e-mails till final grade is received.
3. 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.
4. 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 student 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 2 business days during weekdays (Monday-Friday).
5. All assignment submissions must be uploaded as instructed by the due date and time. Submission window may close or marked late, even if late by one second.

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) or regular review of class materials posted by the instructor for asynchronous 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.

Important Fall 2026 Dates:

The complete academic calendar is available online

: <https://www.tamusa.edu/academics/academic-calendar/current-year/Fall-2026.html>

Dates	Event
August 20	Tuition & Fee Payments deadline
August 24	First day of class
September 9	Census Date - Students not paid in full or enrolled in a payment plan by 4:59PM may be dropped for non-payment
October 5-16	Midterm grading period
November 13	Last day to drop with an automatic "W"
November 25	Study Day – No classes
November 26-28	Thanksgiving Holiday
November 30	Last day to drop a course or withdraw from the University
December 4	Last day of classes
December 5-11	Final exams
December 15	Commencement
December 17	Grades available in JagWire

Academic Misconduct Policy: Texas A&M University-San Antonio students are expected to exhibit a high level of honesty and integrity in their pursuit of higher education and follow the Texas A&M University-San Antonio Code of Conduct. For more information please visit the Office of Student Rights & Responsibilities website <http://bit.ly/TAMUSASStudentRR>.

Academic misconduct includes, but is not limited to, cheating, plagiarism, multiple submissions, collusion, lying and bribery. In cases of academic misconduct, students may be subject not only to grade sanctions in courses but to disciplinary action. If a student wishes to appeal the decision of suspension or expulsion due to violations of academic misconduct, they must initiate their appeal as outlined within the Student Code of Conduct. All student term papers and other written assignments are subject to analysis by anti-plagiarism software. Posting of any class work given to student, or solutions, or discussion, on publicly accessible forums or on social media is not permissible unless explicit written permission have been granted by the instructor.

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 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 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:

Day of the Week	Appointments Available	Walk-in Tutoring (no appointment needed)
Monday	8:00 AM – 6:00 PM	9:00 AM – 5:00 PM
Tuesday	8:00 AM – 6:00 PM	9:00 AM – 5:00 PM
Wednesday	8:00 AM – 6:00 PM	9:00 AM – 5:00 PM

Day of the Week	Appointments Available	Walk-in Tutoring (no appointment needed)
Thursday	8:00 AM – 6:00 PM	9:00 AM – 5:00 PM
Friday	8:00 AM – 5:00 PM	11:00 AM – 4:00 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 include 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 the [Jag E Alert System website](#). You can access more information about [Emergency Operations Plan and the Emergency Action Plan on our website](#). Download the [SafeZone App](#) 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, 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 e-portfolios, 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 real time with a tutor can schedule an **Online Appointment**. Students wishing to receive asynchronous, written feedback from a tutor can schedule an **e-Tutoring appointment**. More information about what services we offer, how to make an appointment, and how to access your appointment can be found on the [Writing Center's 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. The [General's Store is a food pantry](#) that is available on campus as well.

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 with 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, based on 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. 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 reasonable accommodation for pregnant students as it would be provided to a student with a temporary medical condition that is 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 students' 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.

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](#).

Artificial Intelligence Policy

No Use of Generative AI Permitted

ACCT 3304 assumes that all work submitted by students will be generated by the students themselves, working individually or in groups. Students should not have another person/entity do the writing of any portion of an assignment for them, which includes hiring a person or a company to write assignments and/or using artificial intelligence (AI) tools like ChatGPT. Use of any AI-generated content in this course qualifies as academic dishonesty and violates Texas A&M-San Antonio's standards of academic integrity.