

Texas A&M University-San Antonio
Department of Sciences & Mathematics
MATH 1324 Sec. 009, Fall 2026
Syllabus

Instructor: Ali Manesh

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Class Time: Mondays, Wednesdays & Fridays at 10:00 AM - 10:50 AM, Recitation on Fridays at 11:00 AM - 11:50 AM with Anthony Herrera

Location: Classroom Hall 205

Office: Madla 349

Office Hours: My office hours are as follows (**NO APPOINTMENT NEEDED**):

Day	Time
Tuesdays	3:30 PM - 5:00 PM
Thursdays	12:30 PM - 1:45 PM
Fridays	1:00 PM - 2:00 PM

Catalog Description. Students will study topics from college algebra (linear equations, quadratic equations, functions and graphs, inequalities), mathematics of finance (simple and compound interest, annuities), linear programming, matrices, systems of linear equations, and applications to management, business and social sciences. This course meets the standards for the Mathematics category of courses under the core curriculum.

Prerequisites. Evidence of math equivalent to High School Algebra II (“C” or higher) or placement; Requires passing TSIA Math score.

Required Material. Online access code for Mathematics with Applications in the Management, Natural & Social Sciences by Lail, Hungerford, Holcomb (13th edition), Pearson Publishing. ISBN: 9780-137892198; 9780-137891870 (E-book included with access code).

Attendance Policy. Attending class is mandatory. In all cases of absences and tardiness or leaving early, students will be held responsible for completion of course requirements covered in their absence. Students are expected to attend class as scheduled and be prepared to participate in discussions, in-class exercises. If you miss class, you are responsible for finding out what you missed on that day. You are welcome to ask questions on the topics that you missed; however, it is your responsibility to learn the material. You are strongly encouraged to attend all classes. In addition, if an unavoidable situation prevents you from being on time or if you must leave early, please minimize class interruption. After 6 absences, you can be dropped for non-attendance by your instructor without further notice.

Calculator Policy. Only scientific calculators are permitted. Some topics may be covered with the assistance of a graphing calculator. Online math utilities (e.g., Desmos) are not allowed on exams. Note: Laptops, cell phones, and other mobile devices are NOT acceptable calculators. Note that you can borrow calculators from the library for the entirety of the semester or for a 2-hour period. Make sure you mention to the library that you want a calculator for the entire semester, otherwise they will assume you borrowed the calculator for only 2 hours and they might charge or place a hold on your account.

Homework. All homework assignments will be assigned weekly and completed through Pearson’s MyMathLab. You may access MyMathLab via Blackboard.

Quizzes. There will be 11 quizzes in total which will be completed on MyMathLab. All due dates are listed in MML. Quizzes may be attempted three times, and each quiz attempt has a time limit. Only the highest score will be counted. Students should attempt the quiz multiple times in order to be prepared for the unit test.

Examination. There will be 3 exams and a comprehensive Final exam. All exams will be in person and administered in class. Unless under extreme circumstances, there will be **no make-up** for exams. Please make sure to coordinate with the instructor **at least 24 hours prior** to the scheduled date and time of the exam. At the end of the semester, the lowest exam grade will be replaced with the final exam grade.

Late Work. Late homework submissions will not be accepted. The workload distribution would be in such a way that will allow sufficient time for completion of each assignment.

Grading Criteria. Final grade breakdown will be as follows:

Title	Weight
Exam I	20%
Exam II	20%
Exam III	20%
Attendance & Participation	5%
Homework & Quizzes	10%
Final Exam	25%
Total	100%

Grading Scale. Final grades will be assigned according to the following scale:

Letter Grade	% Earned
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59%

Class Policy. All electronics should be used for **CLASS PURPOSES** only. If you are using electronics to do independent activities (i.e. watching shows, listening to music, doing other homework etc.) you will be asked to put it aside, and if this continues you will be asked to leave the classroom.

Student Learning Outcomes. MATH 1324 helps students develop critical thinking, communication, and empirical and quantitative skills by focusing on student understanding of key algebraic concepts to include recognizing, identifying, solving, analyzing, and explaining applications of various mathematical functions in management, economics, and business problems. Upon completion of this course, students will:

1. Apply elementary functions, including linear, quadratic, polynomial, rational, logarithmic, and exponential functions to solve and interpret real-world problems.
2. Recognize and solve mathematics of finance problems, including the computation of interest, annuities, and amortization of loans.
3. Apply and explain basic matrix operations, including linear programming methods, to solve application (business) problems.
4. Demonstrate fundamental probability techniques and application of those techniques, including expected value, to solve problems.
5. Interpret and apply matrix techniques and probability analyses to model applications to management, economics, and business problems.

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 <https://www.tamusa.edu/Disability-Support-Services/index.html> 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 disability-related needs 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
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, 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) and are not part of a student's academic or university record. The Student Counseling Center provides brief individual and group therapy, crisis intervention, consultation, case management, and prevention services. For more information on SCC services visit tamusa.edu/studentcounseling. Crisis support is available 24/7 by calling the SCC at 210-784-1331 (after-hours select option '2'). The National Suicide Prevention hotline also offers a 24/7/365 hotline at 1-800-273-8255. Additionally, the TELUS Student Support App provides a variety of mental health resources to including support for in the moment distress, 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: <https://www.tamusa.edu/about-us/emergency-management/>. 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 the first week of class. Any student receiving federal financial aid who does not attend 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. Writing tutors work with students to develop reading skills, prepare oral presentations, and plan, draft, and revise their written assignments. The Writing Center has both online and in person appointments. Students can schedule appointments with the Writing Center in JagWire under the student services tab. 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 at <https://www.tamusa.edu/student-resources/writing-center/index.html>. 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 referral (<https://www.tamusa.edu/university-policies/Student-Rights-and-Responsibilities/file-a-report.html>) 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; see <https://www.tamusa.edu/mays/students/generals-store.html> 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 diversity 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 within our state, nation, and world. All decisions and actions involving students and employees should 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, gender identity, gender expression, or pregnancy/parenting status. Individuals who believe they have experienced harassment or discrimination prohibited by this statement are encouraged to contact the appropriate offices within their respective units. 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- or gender-based discrimination or harassment, including sexual assault, sexual harassment, domestic or dating violence, or stalking, 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 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.

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, sexual orientation, gender identity, gender expression, 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, sexual orientation, 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 (<https://www.tamusa.edu/university-policies/student-rights-and-responsibilities/documents/Student-Handbook-2022-23.pdf>) or visit the resources available in the OSRR website (<https://www.tamusa.edu/university-policies/student-rights-and-responsibilities/academic-integrity.html>).

Important Dates

- August 24th: First Class Day
- August 28th: Last day to withdraw from all classes to receive an 80% refund of tuition and fees
- August 31st: Last day to register
- September 4th: Last day to withdraw from all classes to receive a 70% refund of tuition and fees
- September 7th : Labor Day Holiday-No Classes / University Closed
- September 9th: Census Date - Students not paid in full or enrolled in a payment plan by 4:59 PM may be dropped for non-payment
- September 14th: Last day to withdraw from all classes to receive a 50% refund of tuition and fees
- September 21st: Last day to withdraw from all classes to receive a 25% refund of tuition and fees
- November 13th: Last day to drop with an automatic grade of "W"
- November 25th: Study Day - No Classes
- November 26th – 28th: Thanksgiving Holiday - No Classes / University Closed
- November 30th: Last day to withdraw from the university
- December 4th: Last day of scheduled classes for weekday classes
- December 5th – 11th: Final Examinations
- The complete academic calendar is available online: <https://www.tamusa.edu/academics/academic-calendar/current-year/Fall-2026.html>.

AI Policy. No Use of Generative AI Permitted: MATH1324 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.

MATH 1324-009, Fall 2026 Tentative Schedule

Week	Date	Topics
1	M Aug. 24 th	Introduction & Syllabus
		Review 1.6: First Degree Equations
	W Aug. 26 th	2.1: Graphs
		2.2: Equations of Lines
	F Aug. 28 th	2.2: Equations of Lines
2	M Aug. 31 st	3.1: Functions & Difference Quotient
	W Sep. 2 nd	3.2: Graphs of Functions & Transformations
	F Sep. 4 th	3.3: Applications of Linear Functions
3	M Sep. 7 th	Labor Day-No Class
	W Sep. 9 th	Review 1.3: Factoring
	F Sep. 11 th	Review 1.7: Quadratic Equations
4	M Sep. 14 th	3.4: Quadratic Functions & Applications
	W Sep. 16 th	3.5: Polynomial Functions
	F Sep. 18 th	3.6: Rational Functions
5	M Sep. 21 st	Review 1.5: Exponents & Radicals
	W Sep. 23 rd	Exam I Review
	F Sep. 25 th	Exam I
6	M Sep. 28 th	4.1: Exponential Functions
		4.2: Applications of Exponential Functions
	W Sep. 30 th	4.3: Logarithmic Functions
	F Oct. 2 nd	4.4: Exponential & Logarithmic Equations
7	M Oct. 5 th	4.4: Exponential & Logarithmic Equations
	W Oct. 7 th	5.1: Simple & Compound Interest
	F Oct. 9 th	5.2: Annuities, Future Value & Sinking Funds
8	M Oct. 12 th	5.3: Consumer Loans & Amortization
	W Oct. 14 th	Exam II Review
	F Oct. 16 th	Exam II
9	M Oct. 19 th	6.1: Linear Systems in 2-Variables
	W Oct. 21 st	6.2: Larger Systems
	F Oct. 23 rd	6.3: Applications of Systems
10	M Oct. 26 th	6.4: Basic Matrix Operations
	W Oct. 28 th	6.4: Basic Matrix Operations
	F Oct. 30 th	7.1: Graphing Linear Inequalities in 2-Variables
11	M Nov. 2 nd	7.1: Graphing Linear Inequalities in 2-Variables
	W Nov. 4 th	7.2: Linear Programming
	F Nov. 6 th	7.3: Applications of Linear Programming
12	M Nov. 9 th	8.3: Probability
	W Nov. 11 th	Exam III Review
	F Nov. 13 th	Exam III
13	M Nov. 16 th	9.1: Expected Value
	W Nov. 18 th	Matrix Solutions to Linear Systems
	F Nov. 20 th	Solving Linear Systems Using Matrices
14	M Nov. 23 rd	TBA
	W Nov. 25 th	Study Day-No Class
	F Nov. 27 th	Thanksgiving Break
15	M Nov. 30 th	Final Exam Review
	W Dec. 2 nd	Final Exam Review
	F Dec. 4 th	Last Day: Final Exam Review
16	M Dec. 7 th	Final Exam @ 10:00 AM - 11:50 AM