East Texas A&M University

COURSE SYLLABUS

Math 1324.01W - Mathematics for Business Applications I

Summer I 2025 (Online: June 2 - July 3)

INSTRUCTOR INFORMATION

Instructor: Hanan Kuzat **Office Location:** BINB 320
Office Hours: Monday & Wednesday 10:30 AM – 12:30 PM
On Zoom: https://tamuc.zoom.us/my/kuzat
Other times by appointment if needed.
Office Phone: (903)886-5435 **Office Fax: (903)886-5945**
University Email Address: Hanan.Kuzat@tamuc.edu
Preferred Form of Communication: Email
Communication Response Time: within 24 hours M-F, 48 hours Weekends

COURSE INFORMATION

"All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment."

(Student's Guide Handbook, Policies and Procedures, Conduct.)

Rude and/or disruptive behavior will not be tolerated.

No electronic devices (except calculators) are allowed during class time.

Software **Required**: Students must purchase a copy of **MyMathLab/MyLab & Mastering student access code** from either of the campus bookstores or directly from Pearson at http://www.coursecompass.com/
Textbook(s) **Optional**: College Mathematics for Business, Economics, Life Sciences, and Social Sciences 14th Edition by Barnett, Ziegler, Byleen, ISBN # 978-0134674148. *** **Note: If a student purchased a MyMathLab access code for Math 1324 since Fall 2023, a new code purchase may not be required.** The specific course code needed for class registration in MyMathLab is: **kuzat98559**.

Please use the MyMathLab 14 day free trial to start working on homework if students cannot purchase it right away. The MyMathLab student access code must be purchased by the end of 2nd week of class to prevent a loss in points.
REQUIRED MATERIALS: Binder or folder, MyMathLab access and a TI 83 or 84 calculator (see below).

TECHNOLOGY REQUIREMENTS: The graphing calculator of TI 83/TI 84 or equivalent will be highly recommended. Calculators other than Texas Instruments calculators may be used but classroom instruction on calculators will be given for TI equipment only. **Note: Calculators that solve problems for students, including but not limited to TI-Nspire, TI 89 or higher, Casio Prizm, Casio Touch or higher are **NOT** allowed to be used for this class. ** Students are also required to clear the memory of graphing calculators before and after each proctored exam.

Calculator Loan Program: The Mathematics Department has set up a calculator loan program to support students. Students can borrow a calculator for a semester with a fee ($10 to $15 for TI-83/84). Calculators are available on a first-come, first-served basis in the Math Department Office in Binnion 305.

COURSE DESCRIPTION AND OBJECTIVES: We will cover chapters 2, 3, 4, 5 and parts of chapters 6 and 8. Topics include functions (linear, quadratic, polynomial, rational, exponential and logarithmic), mathematics of finance (simple and compound interest, future and present value of an annuity, etc.), probability and statistics, linear programming, and systems of linear equations and matrices.

Student Learning Outcomes: Upon successful completion of this course a student will:

1) Demonstrate knowledge and understand various compound interest formulas.
2) Utilize statistical methods to interpret and predict data.
3) Use matrices and other methods to solve systems of equations.
4) Understand different types of functions and their graphs, including to but not limited to linear, quadratic, exponential and logarithmic.
5) Demonstrate using logarithms to solve problems.
6) Demonstrate using inequalities and systems of inequalities to solve business application problems.

Core Objectives:

1. **Students will be able to analyze, evaluate, or solve problems when given a set of circumstances, data, texts, or art.** This common core objective will be assessed in the exams and final exam for all sections of Math 1324.
2. **In written, oral, and/or visual communication, A&M-Commerce students will communicate in a manner appropriate to audience and occasion, with an evident message and organizational structure.** This common core objective will be assessed using common class activities/projects with class discussion over functions, finance, systems of equations and linear inequalities and how these topics relate to business for all sections of Math 1324.
3. **Students will be able to interpret, test and demonstrate principles revealed in empirical data and/or observable facts.** This common core objective will be assessed using class activities, homework problems, exams and final exam for all sections of Math 1324.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

Students need to check their MyLeo e-mail regularly for class announcements. Access to My Lab Math, a computer, a scanner or scanning app, and the internet will be needed for course log in and all course assignments & activities.

Since this class is online, certain considerations need to be made. Please read the following paragraph carefully. You will have to be self-motivated in order to be successful in this class. You will also be required to view the posted course material and to learn on your own for much of the material unless you seek outside tutoring help. Assignments for the week will be listed in D2L. You should have regular internet access to check D2L and your email regularly. Furthermore, **all exams will be on paper and must be taken on campus or at an approved testing location. Be aware that testing centers off campus may charge a testing fee for using their services.** The on-campus testing center is free of charge for students. However, if students choose not to travel to Commerce, faculty will work with them to allow face-to-face testing at an approved testing center at their location (which should be arranged first week of classes). Students are responsible for any testing fees if they choose an off campus testing center.
In addition, this is an **accelerated** 5-week course. The course will cover the material usually covered in 16 weeks during a regular semester, and so will be fast paced. Please take this and the following under consideration. If you feel such a setup would not be favorable to your success, please consider taking this class in a face-to-face format if possible. You may contact your instructor if you have any questions regarding testing requirement.

Instructional Methods

Instruction will be delivered on D2L through lectures, videos, demonstration and models based on time available. When written work is required, you will need the ability to scan a document and save it as a .pdf file and upload to the appropriate submission folder on D2L. There are a number of free scanner apps, like CamScanner, that can be used for this purpose.

Attendance

Logging into D2L and completing assignments will also be used to determine attendance. Students need to actively participate in class online to receive credit. **Participation is a must to be able to do well in this class**. It is expected that students follow the guidelines set forth by the Class Attendance Policy in the current Undergraduate Catalogue.

If students represent an athletic team for this university, departmental team, scholastic team, choir, or other group and must miss class, notify me in writing with the appropriate documentation within one week of the absence in order not to be counted absent. Arrangements for make-up work will be made at that time.

For more information about the attendance policy please visit the Attendance webpage and Procedure 13.99.99.R0.01.
http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/acade mic/13.99.99.R0.01.pdf

***Instruction:** It is important that you understand that this is an online math course. You will utilize online videos posted by the instructor, online homework through MyMathLab, activities in D2L, tutoring online or on campus, and virtual appointments with your instructor. **Please keep in mind that you will be responsible for your own learning.** You will have a specific schedule with important due dates that can be found in the weekly modules on D2L, and failure to meet these due dates can result in failing the course.

HOMEWORK/QUIZZES: Homework will be completed online through MyMathLab and immediate feedback will be given. You can use various help features within MyMathLab and try problems you miss again until you get them right and fully understand the topic. **It is my expectation that you should have a 100 on each homework assignment because of this.** Online due dates should be observed, and in general, late submissions will not be accepted. If a student experiences any technical difficulties with MyMathLab, be sure to use the online help and technical support from the software company. If a student continues to have trouble accessing or navigating the software, please contact the instructor through email or come during virtual office hours for some individual help.

Quizzes will be given in D2L/MyMathLab over the material presented in the instructional videos for each module. Other quizzes might include content covered in the homework assignments. In general, NO makeup quizzes will be given.

PROJECTS: You will have 3 application projects due (3 parts to one bigger global project), in which you will be asked to demonstrate the skills and concepts learned in class in a practical way. Due dates for these projects can be found in the schedule at the end of this syllabus and are subject to change. Accuracy and creativity in these projects will be expected.

EXAMS: There are two scheduled regular exams and a required comprehensive final. **As stated before, all exams must be taken IN PERSON and either on campus or at an approved testing location. Be aware that testing centers off campus may charge a testing fee for using their services.**

Partial credit may be given on exams IF all work is neatly shown for determination of the student's mistakes. While taking exams, **CELL PHONES AND OTHER ELECTRONIC DEVICES MUST BE TURNED OFF AND STORED OUT OF THE STUDENT'S REACH. The only electronic device**

allowed during tests and quizzes is a stand-alone calculator (such as a TI-34, TI-83, TI-84, etc.), and only with the instructor's permission. All exams should be completed in pencil.
In addition, a printer, and scanner will also be helpful for such testing arrangement. All exams will be done on paper in a testing center. Immediately after the exam, testing center proctor will scan and email exams as a .pdf file to the course instructor email provided on the syllabus. **Dates of exams are listed on the last page of this syllabus.**

In general, no make-up exams will be given without prior notice of a university excused absence*.
I realize that at times throughout the semester, emergency situations may arise that affect a student's performance on an exam or even prevent a student from attending on an exam day. **I will replace the lowest exam grade with the student's grade on the corresponding portion of the final exam or the entire final exam, provided the final exam score is higher.** This provision will only be applied to **ONE** exam, so students should make every effort to be present and well-prepared for all exams.

A practice exam and answer key will be available prior to each exam. Be sure to take advantage of this valuable resource!!

See the class schedule on the last page for testing dates. These dates are tentative and are subject to change.

* University Authorized Excuses: 1) Participation in a required/authorized university activity; 2) Verified illness; 3) Death in a student's immediate family; 4) Obligation of a student at legal proceedings in fulfilling responsibility as a citizen; and others determined by individual faculty to be excusable (e.g., elective University activities, etc.)

ATC Statement:

Important about Exams for Online Math Classes:

*** All exams for this course need to be taken at a face-to-face testing centers. These tests can be taken for **free** at the TAMUC **Academic Testing Center (ATC),** which is **located in Journalism 113 in Commerce, TX (note: Be aware that Summer ATC hours will be announced on first week of classes on D2L and may differ from the hours posted on ATC link provided).** However, if you live far from the Commerce campus, you can arrange to take exams at the approved testing center that is closest to you. You will need to make sure your chosen testing center has been verified and approved before you schedule your exams. **Also, please be aware that testing centers off campus may charge a testing fee for using their services.** You will be responsible for any fees charged by an outside testing center. If needed, there is a department-approved list of testing centers that may help you choose a location closer to you.

Again, if you come to the Commerce campus, you will test in the **ATC in Journalism Building room 113 in Commerce, TX.** Their hours of operation will be announced on the first week of class. You will need to show up to take the test on paper at the testing center with your **photo ID card**. Please make sure you note the testing center closing times to be sure you have ample time to complete the exam before they close.

Please note: If you choose to schedule your exams at our TAMUC campus in Commerce, there is a different testing center on the Commerce campus that administers standardized exams, but not exams for the math department. Please DO NOT go to their office, as they will NOT have your exams. All math department exams in Commerce are sent to the TAMUC **Academic Testing Center (ATC),** which is **located in Journalism 113 in Commerce, TX.**

GRADING

Final grades in this course will be based on the following scale:

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or Below

GRADES: Tests: 50%
Homework/Quizzes/Projects/Activities: 25%
Final Exam: 25%

Each student's average for the course will be posted in your MyLeo account. To access the course, you will go into MyLeo and the "Apps" and look for the app for "MyLeo Online (D2L Brightspace)". You should see directions to choose your course from the urse grid that looks like:

Once you have chosen the correct course, you will be able to see your "grades" option.

FINAL EXAM: C**omprehensive final exam will be given on Tuesday July 1st – Thursday July 3rd.**

PROJECTS: You will have at least 3 application projects due in which you will be asked to demonstrate the skills and concepts learned in class in a practical way. Due dates for these projects will be announced at least a week before the due date. Accuracy, application, and creativity in these projects will be expected.

Getting Help Outside of Office Hours:

Free tutoring is available for students who need help with their math courses.

The **Math Skills Center**, located in Binnion 328, is open: Monday – Thursday 10am – 3pm; closed on Friday.

The **Academic Success Center** offers tutoring in the library, as well as Supplemental Instruction. Their hours can be found on the university web site. Also, each student has available tutoring hours through the online tutoring service, tutor.com. Additional details can be found here:

https://www.tamuc.edu/campusLife/campusServices/academicSuccessCenter/tutorInfo/default.aspx

Online Tutoring: Each student receives 3 free hours from www.tutor.com/tamuc**. Use your MyLeo Log in and Password to access this.** You can contact your instructor if you need additional free online tutoring hours.

The **Mach III/TRIO Program** is available for students who qualify for additional resources, such as private tutoring. In order to qualify, students must meet certain conditions, such as being a first-generation college student. For more information, contact TRIO at 903-886-5833 or in the Halladay Student Services building, Room 300.

GRADE REPORTING FOR FIRST YEAR STUDENTS: Grades for students in freshmen level classes will be reported to the Registrar's Office at the end of the fifth week of class during the fall and spring semesters. The Registrar's Office will report grades to students, Advising Services, Academic Departments (faculty advisors) and mentors. This procedure will allow students to be knowledgeable about their academic progress early in the semester. The university, through Advising Services, faculty advisors and mentors, will take steps to assist students who may be experiencing difficulty to focus on improvement and course completion. Early intervention for freshman students is designed to communicate to students the University's interest in their success and willingness to participate fully to help students accomplish their objectives.

TECHNOLOGY REQUIREMENTS

Technology Requirements:

Students need to **check their MyLeo e-mail regularly** for class announcements.

Access to a computer, the internet, **MyLeo, D2L, and MyMathLab** will be needed for online homework assignments.

A computer or tablet with stable internet access is essential for the success of students.

A scanner or a cell phone with a free scanner app (CamScanner or Adobe Scan is recommended) that allows you to scan worked out steps to a single .pdf file.

Access to a printer will be helpful if you would like to print out class handouts or a review.

The **TI 83/TI 84** graphing calculator or equivalent will be highly recommended. Calculators other than Texas Instruments calculators may be used but classroom instruction on calculators will be given for TI equipment only. **Note: Calculators that solve problems for students, including but not limited to TI-Nspire, TI 89 or higher, Casio Prizm, Casio Touch or higher are **NOT** allowed to be used for this class. ** Students are also required to clear the memory of graphing calculators before and after each exam.

A web camera or **cell phone with camera** will be needed during online exam proctoring (if applicable).

LMS

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements
LMS Requirements:
https://community.brightspace.com/s/article/Brightspace-Platform-Requirements
LMS Browser Support:
https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu**.**
Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your instructor.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:
https://community.brightspace.com/support/s/contactsupport

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Guidebook.
https://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx
Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: https://www.britannica.com/topic/netiquette

Academic Integrity: In order to ensure fairness and high academic standards, any actions which violate the principles of academic integrity through dishonesty or cheating are given serious consideration. In order to understand what constitutes a violation of academic integrity and the consequences of such behavior, the university's policies may be reviewed at:
https://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf
In particular, awareness of the following definitions is essential in order to know what represents academic dishonesty (pages 6 – 7):
"**Cheating**: Intentionally using or attempting to use unauthorized materials, information, notes, study aids or other devices or materials in any academic exercise. Unauthorized materials may include anything or anyone that gives a student assistance and has not been specifically approved in advance by the instructor."
"**Complicity**: Intentionally or knowingly helping, or an attempting to help, another to commit an act of academic dishonesty."
"**Plagiarism**: The appropriation of another person's ideas, processes, results, or words without giving appropriate credit."
Furthermore, cheating in this course is defined as the following:

- Giving or receiving answers during an exam or quiz.
- Viewing the exam or quiz answers of classmates.
- Having notes/practice work available during tests.
- Possession or access to test items before the test is given.
- Deception in getting an excused absence to obtain the undeserved opportunity to make-up work.
- Use of cell phones (other than if the camera is needed for proctoring) or text messaging technology during exams or quizzes **(such as iPods, Apple Watch, etc.). IF ONE OF THESE DEVICES IS AVAILABLE, IN ANY WAY, DURING AN EXAM, THE STUDENT WILL NOT BE ALLOWED TO PROCEED WITH THE EXAM OR QUIZ AND MAY BE SUBJECT TO PENALTIES ON THEIR GRADE.**
- Improper citations in written works or using another person's ideas and words as students own without giving proper credit.

- **Any** method, no matter how well rationalized or accepted, which improves a person's grade by any means other than study and skillful performances on exams and/or other assignments.

While majority of students are honest in doing their schoolwork, due to recent cheating events, action must be taken to protect the academic integrity of online classrooms**. There is a NO TOLERANCE policy for academic dishonesty, and if a student is caught cheating, the event is subject to reporting and placement on the student's academic record. No grade will be received for any assignments in which cheating occurs.**

In summary, students found guilty of an act of academic dishonesty in this course will be subject to the disciplinary actions listed in the university policies. This includes several possible penalties depending on the severity and number of the incidents, which will be taken into account when specifying disciplinary actions.

AI use policy

Texas A&M University-Commerce acknowledges that there are legitimate uses of Artificial Intelligence, ChatBots, or other software that has the capacity to generate text, or suggest replacements for text beyond individual words, as determined by the instructor of the course. Any use of such software must be documented. Any undocumented use of such software constitutes an instance of academic dishonesty (plagiarism).

Individual instructors may disallow entirely the use of such software for individual assignments or for the entire course. Students should be aware of such requirements and follow their instructors 'guidelines. If no instructions are provided the student should assume that the use of such software is disallowed.

In any case, students are fully responsible for the content of any assignment they submit, regardless of whether they used an AI, in any way. This specifically includes cases in which the AI plagiarized another text or misrepresented sources.

13.99.99.R0.03 Undergraduate Academic Dishonesty
13.99.99.R0.10 Graduate Student Academic Dishonesty

Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce
Gee Library- Room 162
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

Website: https://www.tamuc.edu/student-disability-services/

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the Carrying Concealed Handguns On Campus document and/or consult your event organizer.

Web url:
https://inside.tamuc.edu/aboutus/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

A&M-Commerce Supports Students' Mental Health

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel.

Math1324.01W - COURSE OUTLINE / CALENDAR (Summer I 2025)

Week 1: 6/2: [Introduction, Mean, Median, Mode and applications] 6/3: [8.1 & 8.2] 6/4: [8.3 & 8.5] 6/5: [1.2 & 2.1] **Quiz 1 (6/6-6/9)**
Week 2: 6/9: [2.2 & Exam 1 Review] 6/10-6/13: [Exam 1] 6/11: [2.3 & 2.4] 6/12: [4.1 & 4.2, **Project 1 Due June 13th**] **Quiz 2 (6/12-6/16)**
Week 3: 6/16: [4.3 & 5.1 & 5.2] 6/17: [5.3 & 2.5] 6/18: [2.6 & 3.1] 6/19: [3.1 & **Project 2 Due June 20th**] **Quiz 3 (6/19-6/23)**
Week 4: 6/23: [3.3 & 3.4] 6/24: [Exam 2 review] 6/25-6/26: [Exam 2] 6/26: [**Project 3 Due June 27th**] **Quiz 4 (6/26-6/30)**
Week 5: 6/30-7/1: [Final Exam Review] 7/2-7/3: [Final Exam] Final Exam on Tuesday July 2nd – Thursday July 3rd

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

***** By Remaining Enrolled In This Course, All Students Agree To Abide By The Policies of This Class, As Stated In The Syllabus *****

Mission for College of Science and Engineering: Innovation and Discovery
Mission for the Department of Mathematics: Discovering the Keys to Success