

Math for Business and Economics I

Spring 2024

MATH 1324 - Section 003

Tuesday & Thursday, 11 am to 12:20 pm

Room: HPR 253

Instructor: Amanda Berry

Email: aberry@uttyler.edu

Office Hours: By appointment

Prerequisite: Appropriate score on ACT, SAT or TSI.

Course Description: Topics include a review of basic algebraic concepts, linear equations and inequalities, mathematics of finance, matrices, introduction to linear programming, topics in probability.

Student Learning Outcomes: Upon successful completion of this course, the student should be able to:

- Demonstrate knowledge of basic functions (polynomial, exponential, and logarithmic)
- Visually, numerically, and symbolically determine solutions to systems of linear equations and inequalities as well as find the optimal value of a linear function subject to constraints.
- Use the basic principles of logic and counting to create and evaluate simple probabilistic models
- Apply the above to develop and analyze models in business scenarios

Canvas & E-mail: Canvas will be one of my primary methods of communication with you throughout the course. It will include a copy of the syllabus, important course dates, important announcements, homework assignments and due dates, as well as your grades. Students should check Canvas often for updates. It is recommended to allow Canvas to notify you when changes are made. Note, however, that users may notice a delay between the time an update is published and the time Canvas sends e-mail notifications.

I may also send important information, which may include help with assignments, through e-mail. Please check your student e-mail frequently.

Textbook: College Mathematics for Business, Economics, Life Sciences and Social Sciences, 14th ed. by Barnett, Ziegler, and Byleen. **Note: A paper copy is not required. You will, however, need to purchase the MyLab access code, which will allow you access to the online homework and a digital copy of the textbook. Online homework is required for this class.**

Required Materials: MyLab access code and e-book, a scientific, non-graphing calculator, access to a computer with fast internet.

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homework and a digital copy of the textbook. Instructions for accessing MyLab will be posted on Canvas. Online homework is required for this class.

Calculator: You will need to use a scientific (non-graphing) calculator. Many different types will work well, but the TI-30XS is recommended.

Quizzes, Homework and Classwork: Homework will be assigned at least weekly and completed using MyLab. Instructions for accessing MyLab will be posted on Canvas. Students can find the homework assignments on Canvas. Homework assignments should always be completed by the due date specified in Canvas. I will also try to announce the due dates in class, especially if there is a change to the due date of the assignment.

Generally, on weeks without an exam, you will take a quiz. On many of the quizzes, the problem(s) will be similar or identical to homework problems. You will need to complete the homework to be successful on the quizzes. The lowest quiz score will be dropped. Additionally, some days you may hand in other assignments.

Quizzes and homework are designed to help you master the material and to help you communicate mathematical ideas clearly. This is why you must show your work on any written assignments.

Remember, even the best students need to come to office hours or get tutoring occasionally to complete homework and prepare for exams and quizzes; you should seek help at the first sign of trouble.

Attendance: Attendance is necessary to succeed. I reserve the right to take attendance at any point during the semester. Any attendance taken may be for a grade, in which case it will be counted as classwork. Signing an attendance sheet for someone else is academic dishonesty.

Exams: All exams will be in class. **The tentative exam dates are February 13, March 21, and April 18.** Any changes to these dates will be communicated in class and in writing. The tentative final exam date is Tuesday, April 30 from 11:00 AM to 1 PM. **Any university-approved conflicts with the final exam time must be communicated to me no later than Friday, November 22, 2019.**

Conflicts: I will offer reasonable accommodation in the event that you miss a major assessment activity for a valid and documented reason, assuming documentation is provided *in advance unless absolutely impossible*. For a quiz or exam, you need to tell me as soon as you know you have a conflict. Without adequate notice, you will be ineligible for a make-up. If you won't be in class when homework is due, turn it in early, or give it to someone else to turn it in prior to the deadline. I require proof of the reason for your absence (for example, a doctor's note, proof of involvement in a school-sponsored activity, etc.), and you should not assume you will be eligible for a make-up exam or quiz unless I have explicitly approved your request.

Grading: Your grade will be computed as follows. The rubric for assigning final letter grades will be *no harsher* than the given scale.

<u>Assignment</u>	<u>Weight</u>
Homework & Classwork	15%
Quizzes (lowest score dropped)	15%
Exams (3)	15% each (45% total)
Final Exam	25%
<u>Total</u>	<u>100%</u>

<u>Numerical</u>	<u>Letter Grade</u>
Above 90	A
80 - 89	B
70-79	C
60-69	D
Below 60	F

Academic Honesty: Don't cheat. Don't copy off of other students, allow other students to copy your work, or present work you find in printed or electronic sources as your own. You may get help on homework from other people or sources, but your solutions should be your own and produced without looking at solutions produced by anyone else. Don't sign attendance sheets for other students.

Do not consult any sources (other students, notes, textbooks, homework, electronic resources including calculators) not expressly allowed by the instructor on any exams or quizzes. If you have any questions regarding an exam or quiz, please consult the instructor.

What if I need help? Great question! There are many resources available for this course. It may be helpful to talk to other students to work through homework and practice problems together. For quick questions, you can e-mail me. For less-quick questions, please arrange to see me during office hours. UT Tyler also has many free tutoring options, including the MLC in RBN 4021, PASS Tutoring in the Library, and Supplemental Instruction (SI). More information regarding these resources is available on Canvas.

University Policies and Information

Withdrawing from Class - Students, you are allowed to [withdrawLinks to an external site.](#) (drop) from this course through the [Withdrawal PortalLinks to an external site.](#) Withdrawing from classes can impact Financial Aid, Scholarships, Veteran Benefits, Exemptions, Waivers, International Student Status, housing, and degree progress. Please read this page, speak with your instructors, consider your options, and speak with your instructor. UT Tyler faculty and staff are here for our students and often can provide additional support options or student assistance. Please read the implications for withdrawing from a course and the instructions on using the Withdrawal portal on the [Registrar's Withdrawal pageLinks to an external site.](#)

Texas law prohibits students who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at other 2-year or 4-year Texas public colleges and universities. Consider the impact withdrawing from this class has on your academic progress and other areas, such as financial implications. We encourage you to consult your advisor(s) and financial aid for additional guidance. CAUTION #1: Withdrawing before census day does not mean you get a full refund. Please see the [Tuition and Fee Refund ScheduleLinks to an external site.](#) CAUTION #2: All international students must check with the [Office of International ProgramsLinks to an external site.](#) before withdrawing. All international students are required to enroll full-time for fall and spring terms. CAUTION #3: All UT Tyler Athletes must check with the Athletic Academic Coordinator before withdrawing from a course. CAUTION #4: All veterans or military-affiliated students should consult with the [Military and Veterans Success CenterLinks to an external site.](#)

Final Exam Policy: Final examinations are administered as scheduled. If unusual circumstances require that special arrangements be made for an individual student or class, the Dean of the appropriate college, after consultation with the faculty member involved, may authorize an exception to the schedule. Faculty members must maintain student final examination papers for a minimum of three months following the examination date.

Incomplete Grade Policy: If a student, because of extenuating circumstances, is unable to complete all of the requirements for a course by the end of the semester, then the instructor may recommend an Incomplete (I) for the course. The "I" may be assigned in place of a grade only when all of the following conditions are met: (a) the student has been making satisfactory progress in the course; (b) the student is unable to complete all coursework or final exam due to unusual circumstances that are beyond personal control and are acceptable to the instructor, and (c) the student presents these reasons before the time that the final grade roster is due. The semester credit hours for an Incomplete will not be used to calculate the grade point average.

The student and the instructor must submit an Incomplete Form detailing the work required and the time by which the work must be completed to their respective department chair or college dean for approval. The time limit established must not exceed one year. Should the student fail to meet all of the work for the course within the time limit, then the instructor may assign zeros to the unfinished work, compute the course average for the student, and assign the appropriate grade. If a grade has yet to be assigned within one year, then the Incomplete will be changed to an F, or NC. If the course was initially taken under the CR/NC grading basis, this may adversely affect the student's academic standing.

Grade Appeal Policy: - Disputes regarding grades must be initiated within sixty (60) days from the date of receiving the final course grade by filing a Grade Appeal Form with the instructor who assigned the grade; this is separate from the Application for Appeal form submitted to the Student Appeals Committee, which does not rule on grade disputes as described in this policy. If the student is not satisfied with the decision, the student may appeal in writing to the Chairperson of the department from which the grade was issued. In situations where there is an allegation of capricious grading, discrimination, or unlawful actions, appeals may go beyond the Chairperson to the Dean of the college from which the grade was issued, with that decision being final. The Grade Appeal form is found in the [Registrar's Form Library.Links to an external site.](#)

Disability/Accessibility Services: In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA), the University of Texas at Tyler offers accommodations to students with learning, physical, and/or psychological disabilities. If you have a disability, including a non-visible diagnosis such as a learning disorder, chronic illness, TBI, PTSD, ADHD, or a history of modifications or accommodations in a previous educational environment, you are encouraged to

visit <https://hood.accessiblelearning.com/UTTylerLinks to an external site.> and fill out the New Student application. The Student Accessibility and Resources (SAR) office will contact you when your application has been submitted and an appointment with the Assistant Director Student Accessibility and Resources/ADA Coordinator. For more information, including filling out an application for services, please visit the SAR webpage at <https://www.utt Tyler.edu/disability-servicesLinks to an external site.>, the SAR office located in the University Center, # 3150, or call 903.566.7079."

Military Affiliated Students: UT Tyler honors the service and sacrifices of our military-affiliated students. If you are a student who is a veteran, on active duty, in the reserves or National Guard, or a military spouse or dependent, please stay in contact with your faculty member if any aspect of your present or prior service or family situation makes it difficult for you to fulfill the requirements of a course or creates disruption in your academic progress. It is important to make your faculty member aware of any complications as far in advance as possible. Your faculty member is willing to work with you and, if needed, put you in contact with university staff who are trained to assist you. The [Military and Veterans Success Center \(MVSCLinks to an external site.\)](#) has campus resources for military-affiliated students. The MVSC can be reached at MVSC@utt Tyler.edu or via phone at 903.565.5972.

Academic Honesty and Academic Misconduct: The UT Tyler community comes together to pledge that "Honor and integrity will not allow me to lie, cheat, or steal, nor to accept the actions of those who do." Therefore, we enforce the [Student Conduct and Discipline policyLinks to an external site.](#) in the Student Manual Of Operating Procedures (Section 8).

FERPA - UT Tyler follows the Family Educational Rights and Privacy Act (FERPA) as noted in [University Policy 5.2.3Links to an external site.](#) The course instructor will follow all requirements to protect your confidential information.

Absence for Official University Events or Activities: This course follows the practices related to approved absences as noted by the Student Manual of Operating Procedures ([Sec. 1 -501Links to an external site.](#)).

Absence for Religious Holidays: This course follows the practices related to [Excused Absences for Religious Holy Days as noted in the CatalogLinks to an external site.](#)

Campus Carry: We respect the right and privacy of students who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at <http://www.utt Tyler.edu/about/campus-carry/index.php>.