

Syllabus

Math for Business and Economics I

MATH 1324.001 | Spring 2023

Course Description

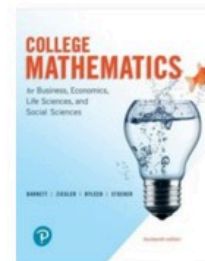
Business Math consists of topics relevant to the fields of business and economics. It includes the background information needed, but also focuses on profit and loss; annuities; simple, compound and continuous interest; minimizing expenses; and understanding the equations used in business and economics.

From the catalog, topics cover a review of basic algebraic concepts, linear equations and inequalities, mathematics of finance, matrices, introduction to linear programming, and topics in probability

Prerequisites: Appropriate score on ACT, SAT or TSI. Credit not given for both MATH 1324 and MATH 1314 or MATH 1332.

Textbook

College Mathematics for Business, Economics, Life Sciences, and Social Sciences, 14th edition, by Barnett, Ziegler, Byleen, and Stocker, Pearson Education, ISBN13 978-0-13-467414-8, ISBN10 0-13-467414-6



Website

You will be using Canvas. Go to www.utttyler.edu/canvas to log into Canvas using your regular patriots account. If you have enrolled in the course, you should have access to the website. You will find important documents, grades, lecture notes, and announcements on Canvas.

Attendance is mandatory and attendance records will be kept. Notify Dr. Koslover in advance if you must miss a class, be late for a class or leave early. (Official University Policy: Class attendance is the responsibility of the student. When a student has a legitimate absence, the instructor may permit the student to complete missed assignments. In many cases class participation is a significant measure of performance, and non-attendance may adversely affect a student's grade. When a student's absences become excessive, the instructor may recommend that the student initiate a withdrawal.)

Instructor: Dr. Deborah Koslover

Office: RBN 4010

Email: dkoslover@utttyler.edu

Classroom: RBN 3035

Meeting Time: MW 2:30 – 3:55 PM

Office Hours: MTTh 1 – 2 PM, W 4 – 5 PM,

F 1:30 – 2:30 PM or by appointment.

Learning Outcomes

At the conclusion of this course, you will be able to

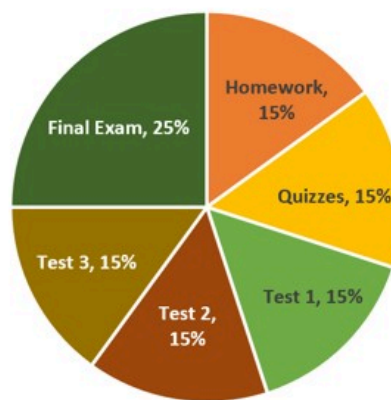
1. Apply algebraic techniques to compute financial formulas (interest, future value of an annuity)
2. Apply techniques of algebra to find answers to systems of linear equations
3. Understand and explain linear programming in two dimensions (communication)

Course Evaluation

At the end of the semester, you will find your final grade on my.utt Tyler.edu. It will also be posted on Canvas.


A final course grade of

- 90% is guaranteed to be at least an A
- 80% is guaranteed to be at least a B
- 70% is guaranteed to be at least a C
- 60% is guaranteed to be at least a D.



All grades below 60% will be F.

The Plan

Homework (15%) Homework will be assigned each class period via the online platform WebWork. You can access the homework assignments at the following link  <https://webwork-hosting.runestone.academy/webwork2/utt Tyler-koslover-math1324-spring2023> If you registered for this class before Monday, January 9, you should have received an email with your username and password. Please change the password immediately upon logging into WebWork for the first time. If you have not received an email, please contact me.

In general, a new homework assignment will become available on WebWork within 24 hours after each class. It will be due by 5:00 A.M. Wednesday of the following week. The WebWork system provides you with instant feedback on your answers, as well as unlimited attempts to complete most problems. You should use this to your advantage. However, you will not be able to submit solutions after the due date. When computing your final homework grade, I will use your total score on all the WebWork problems. For example, if there are a total of 150 problems throughout the semester, and you successfully complete 120 of them, your homework grade will be 80%. The WebWork system is not flawless, so the grading will be adjusted somewhat to take into account glitches. Please let me know as soon as possible if you suspect a problem with WebWork. However, I will not change your score until the end of the semester.

Q₁₀ U₁ I₁ Z₁₀ Z₁₀ E₁ S₁ (15%): Quizzes will be given on seven Wednesdays at the beginning of class (see the calendar for dates). These will be short quizzes to test for basic understanding. The questions will be based on the homework which was due earlier in the day. Athletes, please plan to take your quizzes before your trips. The quizzes will be easier than the tests.

Your lowest quiz score will be dropped. If you miss three or fewer days of class, your second lowest quiz will also be dropped. No make-ups will be given except as noted below.

TESTS There will be three tests (15% each) and a final exam (25%). These exams will test your knowledge of the material taught in the class and practiced on the homework. Test problems will be similar to homework problems. The final exam will be comprehensive but will emphasize material in the final third of the course. Answers will be worth almost nothing, only the solutions matter. Credit will only be given for use of techniques taught in the class to solve problems.

The dates and times of these exams are as follows:

- **Test 1:** Monday, February 8, 2023
- **Test 2:** Monday, March 8, 2023
- **Test 3:** Monday, April 12, 2023



FINAL EXAM

Final Exam: Wednesday, April 26, 2023, 2:45 – 4:45 PM

*** * * *Extra Credit* * * ***

Attendance will be taken each day. Every class day, except the first day of class and test days, I will assign one or two students to remind me to take attendance and to make sure the date is marked on the attendance sheet. If you or your attendance partner make sure that I pass around the attendance sheet during the first 10 minutes of class, and you are in attendance that day, then you will receive 5 points extra credit toward your homework grade.

Make-ups

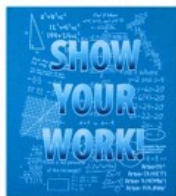
Make-ups for **documented** absences that are **required** as part of a UT Tyler obligation (e.g. athletes participating in an event, participating in a debate contest, etc.) or for religious observation will be granted. For all make-ups of this type, prior notification of at least one week and documentation are required. Other make-ups are granted only in extreme cases such as hospitalization and at the sole discretion of the instructor.



Make-ups will be allowed for the following excused absences.

- 1) Illnesses, with a doctor's note, no exceptions.
- 2) Your child's illness, with a doctor's note.
- 3) Court appearances, including citizenship court, with documentation
- 4) Weddings, funerals or military advancement with documentation **and** a photograph or program showing that you attended the event.

Other Details



Calculator Policy: Calculators will be allowed on quizzes and tests. However, graphing calculators will not. You also may not use your phone or tablet as a calculator.

Cell phones, IPODs and other electronic devices: Please set your cell phones and pagers to silent mode. If you are expecting an emergency call, please notify the instructor in advance, sit near the door, and answer the phone outside. You will not be allowed to wear an IPOD or other electronic devices during an exam. During tests, cell phones must be turned off and placed in sight on your desk. If you need to use the restroom during the exam, you must leave your phone on the desk or with the professor.



Covid Related Issues

Let me know if you will be missing class, before class if possible. If we have class cancellations or if the university gets shut down, I may move test or quiz dates. I will email you and post an announcement on Canvas in these circumstances. If we get into a situation where we must do online tests or quizzes, you will need a camera and microphone. I must be able to see your face during the exam. Your phone will work, but it will be easier for you if you can use your computer. Additionally, in this case, some tests may be changed to projects.

If you have any special concerns, problems or other issues, please let me know as soon as possible so that we can craft solutions.

Calendar		FEBRUARY		MARCH		APRIL	
		MON	WED	MON	WED	MON	WED
MON	WED	30	1	27	1	3	5
9	11		Quiz 3		Quiz 5		Quiz 8
First Day		6	8	6	8	10	12
16	18		Test 1		Test 2		Test 3
MLK Day	Quiz 1	13	15	13	15	17	19
23	25			Spring Break			
Census Day	Quiz 2	20	22	20	22	24	26
HW due on Wednesdays			Quiz 4				Final Exam
			Drop Day, March 23	27	29	Final 2:45 – 4:45 PM	
					Quiz 6		