

MATH 1324.006 – Math for Business and Economics

Fall 2026 • Second Seven-Week Session

Instructor	Fara Meza	Office	RBN 4049
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Class Time	MWF 10:10 –11:05 am T/Th 9:30–10:50 a.m. 10/12-12/05	Office Hours	T/Th 11:00 am.–12:00 pm. W 8:50–9:50 am. Other times by appointment

Course Description

Topics include review of basic algebraic concepts, linear equations and inequalities, mathematics of finance, matrices, introduction to linear programming, Credit not given for both MATH 1324 and MATH 1314 or MATH 1332.

Course Prerequisite

Satisfactory score on SAT, ACT, or THEA

Student Learning Outcomes:

By the end of this course, the successful 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.
- Apply the above to develop and analyze models in business scenarios.

Text: College Mathematics for Business, Economics, Life Sciences, and Social Sciences, 14th edition, Prentice Hall by Barnett, Ziegler, Stocker and Byleen. Textbook ISBN-13: 9780134674148 Note: Paper book is not required. **You will need to purchase MyLab Math access code.** Once you purchase the access code you will have access to e-book and online homework. Online homework is required for this class.

Grades

Your final grade will be determined by the following categories:

Homework	15%	The grade scale is:	
Quizzes	20%	90% or better	A
Exams	60%	80% to less than 90%	B
Attendance and Participation	05%	70% to less than 80%	C
		60% to less than 70%	D
		Less than 60%	F

Please note that an "I" grade will only be given in extremely rare circumstances caused by emergency situations (medical emergencies, etc).

Attendance and Participation

Make sure you attend class every day is very important for your success.

Late work will not be accepted and make-up examinations will not be given *except for official University or medical absences.*

Quizzes

Two quizzes will be given every week; At the end of the semester ONE quiz will be drop (The one with the lowest grades or the one that you miss)

Homework

Online homework using MyLab Math.

Exams

There will be three exams plus the Final Exam.

Exam 1: Chapters 1 and 2

Exam 2: Chapters 3 and 4

Exam 3: Chapter 4,5 and 6.1, 6.2

Important Dates

DATE	
October 12	First day for the second 7 week-session.
November 11	Last day to withdraw from one ore more courses for second 7
November 23-27	Thanksgiving holiday

Attendance: Make sure you attend class every day is very important for your success.

Course Material:

MyLab access code and A non-graphing calculator.

Here are the topics covered in this course.

1.1 Linear Equations and Inequalities

1.2 Graphs and Lines

1.3 Linear Regression

2.1 Functions

2.2 Elementary Functions: Graphs and Transformations

2.3 Quadratic Functions

2.4 Polynomial and Rational Functions

2.5 Exponential Functions

2.6 Logarithmic Functions

Exam 1

3.1 Simple Interest

3.2 Compound and Continuous Interest

3.3 Future Value of an Annuity: Sinking Funds

4.1 Systems of Linear Equations in Two Variables

4.2 Systems of Linear Equations and Augmented Matrices

4.3 Gauss-Jordan Elimination

Exam 2

4.4 Matrices: Basic Operations

4.5 Inverse of a Square Matrix

4.6 Solving Matrix Equations

5.1 & 5.2 Linear Inequalities and System of Linear Inequalities in Two Variables

5.3 Linear Programming in Two Dimensions: A Geometric Approach

6.1 Introduction to the simplex Method

Exam 3

Classroom Policy

Please be respectful of those around you at all times. Cell phones should be silenced and put away during class, and unnecessary talking or other distractions should be avoided. Students are expected to arrive on time and remain in class for the entire class period.

Use of Artificial Intelligence (AI)

AI is not permitted in this course.

I expect all work students submit for this course to be their own. Doing your own work, without human or artificial intelligence assistance, is best for your efforts in mastering course learning objectives. For this course, I expressly forbid using ChatGPT or any other artificial intelligence (AI) tools for any stages of the work process, including brainstorming. Deviations from these guidelines will be considered a violation of UT Tyler's Honor Code and academic honesty values.

University Policies

For university policies concerning Students' Rights and Responsibilities, Grade Replacement/Forgiveness, State-Mandated Course Drop Policy, Disability Services, Student Absence due to Religious Observance, Student Absence for University-Sponsored Events and Activities, and the Social Security and FERPA Statement, please see:

<http://www.utt Tyler.edu/academicaffairs/files/syllabuspolicy.pdf>