

# Course Syllabus

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**NOTE:** This syllabus is subject to change during the semester. Please check this syllabus on a regular basis for any updates.

**Department** : Mathematics  
**Course Title** : Math Analysis for Business I  
**Section Name** : MATH\_1324\_13  
**Start Date** : 8/22/2011  
**End Date** : 12/8/2011  
**Modality** : FACE-TO-FACE  
**Credits** :

## Instructor Information

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**Name** : Margaret Street  
**OC Email** : mstreet@odessa.edu  
**OC Phone #** : (432) 335-6863

## Course Description

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Develops quantitative methods of analysis for business problems. Includes a study of set theory, symbolic logic, mathematical relationships, vectors and matrices, break-even interpretations, linear programming, probability and expected value as aids in formulating business decisions. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, planning and problem solving.

## Prerequisites/Corequisites

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Prerequisite: MATH 1324 passed with a C or better.

## [Scans](#)

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SCANS 3,8,9

## Course Objectives

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After completing this course, the student should be able to demonstrate competency in:

- 1.0 Linear equations
- 2.0 Matrices
- 3.0 Linear programming
- 4.0 Finance
- 5.0 Sets and counting
- 6.0 Probability

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REQUIRED TEXTBOOK: Mathematics: An Applied Approach, 8<sup>th</sup> edition by Mizrahi & Sullivan

COURSE CONTENT: We will cover chapters 1- 6 in the textbook.

ATTENDANCE: Although attendance is not factored into your term grade, attendance will be taken at the beginning of each class period. **In order to do well in the class you must attend regularly.**

HOMEWORK: Homework problems will be assigned each class period, but will not usually be taken up for a grade. **In order to do well in the class you must complete all of the homework!** Homework assignments will be posted on the website for the class. It is your responsibility to get the assignment if you are absent.

QUIZZES: Quizzes will be given throughout the semester. No make-up quizzes will be given. There will be a small curve on the quiz average.

TESTS: There will be 3 tests and a comprehensive final exam. The lowest test grade or quiz average will be replaced by the grade you make on the final exam if it is higher. No make-up tests will be given. You **MUST** take the final exam. Test dates will be announced in class and will be posted on the homework assignment web page.

HELP: If you have trouble with any of the material in this course, do not hesitate to ask for assistance. It will get worse if you wait. You may ask questions in class, come to my office during office hours, or go to the Math Lab in ET 120

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## Required Readings/Materials

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a) You must purchase the following *required* readings/materials:

Mathematics: An Applied Approach, 8<sup>th</sup> edition by Mizrahi & Sullivan

## Course Requirements (Lectures, Assignments and Assessments)

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The course will consist of quizzes, chapter tests, and a comprehensive final exam.

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### Summary of Assignments & Activities

Item(Name)	Type	Description	Due
Quiz 1	Quiz	Linear Equations	TBA
Quiz 2	Quiz	System of Equations	TBA
Quiz 3	Quiz	Gaussian Elimination	TBA
Test 1	Test	Chapter 1 & 2 Test	TBA
Quiz 4	Quiz	Linear Program: Graphing Method	TBA
Quiz 5	Quiz	Linear Program: Simplex Method	TBA
Test 2	Test	Chapter 3 & 4 Test	TBA

Quiz 6	Quiz	Simple and Compound Interest	TBA
Quiz 7	Quiz	Annuities	TBA
Quiz 8	Quiz	Amortization	TBA
Test 3	Test	Chapter 5 Test	TBA
Quiz 9	Quiz	Probability	TBA
Final Exam	Final Exam	Comprehensive Final Exam	

## Grading Policy

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**COURSE GRADE:** The quiz average, test grades, and final exam grade count equally when determining your course grade.

Percentage %	Grade
90+	A
80-89.9	B
70-79.9	C
60-69.9	D
<60	F

## Special Needs

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Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

## Learning Resource Center (Library)

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The Library, known as the [Learning Resources Center](#), provides research assistance via the [LRC's catalog \(print books, videos, e-books\)](#) and [databases \(journal and magazine articles\)](#). [Research guides](#) covering specific subject areas, [tutorials](#), and the "[Ask a Librarian](#)" service provide additional help.

## Student E-mail

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Please access your [Odessa College Student E-mail](#), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **All assignments or correspondence will be submitted using your Odessa College email.**

## Student Portal

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Please access your [Odessa College Student E-mail](http://www.odessa.edu/gmail/), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **All assignments or correspondence will be submitted using your Odessa College email.**

## **Technical Support**

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For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432-335-6878 or online at [https://www.odessa.edu/dept/ssc/helpdesk\\_form.htm](https://www.odessa.edu/dept/ssc/helpdesk_form.htm).

## **Important School Policies**

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For information regarding student support services, academic dishonesty, disciplinary actions, special accommodations, or student's and instructors' right to academic freedom can be found in the [Odessa College Student Handbook](#).