

MATH 181
Finite Mathematics
Fall 2009

Instructor: Dr. Phillip Poplin

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Office hours: $\begin{cases} \text{M,W,F} & 10:00 - 10:50 \\ \text{T,R} & 9:30 - 11:00 \end{cases}$ and other times by appointment.

Course Description:

A study of discrete mathematical structures with applications primarily to business and economics. Topics will be included from a review of sets; linear and quadratic functions; solving systems of linear equations using Gauss-Jordan elimination; matrix algebra; solutions of inequalities; linear programming, including the graphical methods and introduction to the simplex method, and mathematics of finance. If time permits, we will discuss an introduction to probability.

Text:

Title: *Finite Mathematics for Business, Economics, Life Sciences, and Social Sciences.*

Authors: Barnett, Ziegler, and Byleen

Date: 11th edition, 2008

Publisher: Prentice Hall.

Calculator:

You should have a calculator that can perform matrix row reduction operations. I strongly recommend the TI-83+/84+. I will be using the TI-84+ during classroom demonstrations.

Calculators cannot be shared on quizzes and tests.

Attendance:

You are expected to attend all classes. You are expected to arrive to class on time, and be prepared for class.

Since class time is limited, only a limited number of examples and problems can be given and discussed in class. The text book contains many worked examples. Class attendance is not a substitute for reading the text.

Academic Integrity and Honor Code:

I support the Honor Code and I assume that you do also. Students are expected to be familiar with the Honor Code and follow it consistently. The Honor Code applies to all individual graded work. If you are in my class I assume the honor code applies to all of your work whether or not you have actually written and signed the code. Infractions of the Honor Code will be dealt with harshly.

Homework:

Homework is assigned daily. These problems will give you practice in the basic techniques of the course. Homework is your responsibility to do and ask questions when you need help. I suggest working in groups to help learn this material. Remember: it takes a lot of practice to learn any new material. You should attempt all of the problems assigned and ask questions about those you cannot solve, either in class or in the instructor's office. The Learning Center offers tutoring for this class. Dates and times should be announced by the second week of classes.

An untimed Homework assignment will be posted on CourseCompass after each class period. You will have two attempts for the Homework submission and I will keep the higher score of the two attempts. I will also assign a timed (20-30 minutes) Quiz after each class period. You will have one submission for each Quiz. The Homework assignment and the Quiz must be submitted before the start of the following class period. There will be no makeup homework assignments nor quizzes allowed. I will drop the lowest two Homework assignments and the lowest two quizzes at the end of the semester. The online quizzes and homework are Honor Code work.

Makeup:

Any work such as quizzes, homework, or class work, can not be made up. It is my policy to give no makeup tests. An exception can be made in the case of a documented illness or an excuse by a school administrator. Note, however, that a makeup test is usually more difficult than the original test, no matter the reason for the absence. Arrangements for a make up test must be made **no later than the day of the test.**

Grades:

There will be homework, quizzes, labs, projects, three (3) tests, and a final exam. I will drop the two lowest homework/quiz grades.

The apportionment of grades is

HW, quizzes, labs, projects	32%
Tests	51%
Final Exam	17%

The final grade will be given as:

90-100	80-89	70-79	60-69	below 60
A	B	C	D	F

Note: If you have a documented disability and wish to discuss academic accommodations, please contact me as soon as possible.

Note: The last day to withdraw with a "W" is noon on October 14, 2009.