Math 1070Q — Mathematics for Business and Economics (Fall 2015)

Home

Outline

Homework

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Exam Info

Instructors

Description: Linear equations and inequalities, exponents and logarithms, matrices and determinants, linear programming. Applications.

Prerequisites: Recommended preparation: MATH 1010 or the equivalent.

Sections:

There are several sections for this course.

Standard lecture hall section (Discussion Sections 151D-165D): Students who have enrolled in the standard section of this course will attend lectures in person taught by **Professor Anthony Rizzie**. Students are also required to attend a discussions section that meets once per week.

Online hybrid section (Discussion Sections 101D-115D): This section is coordinated by **Professor Andrew Jaramillo**. Students who have enrolled in the hybrid section of this course will view all video lectures through HuskyCT. Students are also required to attend a discussion section that meets in person once per week.

Small classroom section (Sections 001 & 002): Students who have enrolled in one of these sections will attend two lectures per week taught by **Professor Bianca Munteanu**.

Required Textbook:

Applied Finite Mathematics by Edmond C. Tomastik and Janice L. Epstein (1^{st} Edition)

You can purchase the bundled version of Applied Finite Mathematics with a Webassign code from the UConn Co-op. Alternatively, you may also purchase a WebAssign access code directly from WebAssign and obtain a copy of the text elsewhere.

Homework and Webassign:

WebAssign: Online homework and quizzes for MATH 1070 are assigned and completed using WebAssign. **WebAssign must be accessed through HuskyCT**. To get to WebAssign, go to the HuskyCT site for your discussion section (not your lecture section), and click the link on the left navigation menu which says “WebAssign Homework”. This will take you directly to the WebAssign homework assigned for your class.You will usually have 5 attempts to answer each non-multiple choice question. For multiple choice questions the number of attempts will vary based on the content. After each attempt, you will be told whether your answer is correct or not. If you are not able to get the correct answer after a couple attempts, come talk to your professor or TA. We’re here to help! You might also find some help at the Q-Center.

Homework: There will be homework assignments for each section of the text in Webassign. (The lowest three homework sections will be dropped at the end of the term.)

Online Quizzes: There will be be an online quiz for each section of the text. These quizzes will be timed assignments on Webassign. You will also have a limited number of attempts to answer each question. (The lowest three online quizzes will be dropped at the end of the term.)

In Class Quizzes: Weekly in class quizzes will be given in discussion sections.

Other Policies

Calculator Policy

A scientific or graphing calculator is allowed for all exams, quizzes, and homework as long as the calculator cannot do algebraic manipulation (For instance a TI-84 or equivalent or lower is an acceptable calculator). You may **not** use a tablet, phone, or computer as a calculator. Using these devices on an exam may result in your exam receiving a grade of 0.

Grading:

Online Homework	On Webassign	10%
Online Quizzes	On Webassign	5%
In Class Quizzes	In Class	10%
Exam 1: (Oct 8)	Common evening exam	25%
Exam 2: (Nov 12)	Common evening exam	25%
Final Exam: (Date TBA)	Common exam	25%

The midterm exams are scheduled for Thursday, October 8 and Thursday, November 12. The exam times are 6pm-8pm or 9pm-11pm. The time of your exam was selected when you enrolled in the course. **Make sure to check in PeopleSoft to see the exam time for which you are registered. You must attend the exam time for which you are signed up.** The room for your exam can be found here.

The final exam will be scheduled by the Registrar at some point during the semester.

Edit

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Tentative Outline

Week	Section	Topic
1	1.1	Mathematical Models
	1.2	Systems of linear Equations
2	3.1	Linear Programming Problems
	3.2	Graphing Linear Inequalities
3	3.3	Graphical Solutions of linear programming problems
	4.1	Introduction to sets
4	4.2	The number of elements in a set
	4.3	Sample Spaces and Events
5	4.4	Basic Probability
	5.1	Multiplication Principle and Permutations
6		**Exam I**
7	5.2	Combinations
	4.5	Rules for Probability
8	4.6	Conditional Probability
	4.7	Bayes' Theorem
9	5.3	Probability Applications of Counting Principles
	5.4	Bernoulli's Trials
	6.1	Random Variables and Histograms
10	6.2	Measure of Central Tendency
	6.3	Measure of Spread
	6.4	Normal Distribution
11		**Exam II**
12	F1	Simple interest and discount
	F2	Compound interest
	F3	Annuities
	F4	Present value of Annuities and Amortization
13		**Thanksgiving Break**
14	2.1	Introduction to Matrices
	2.2	Matrix Multiplication
	1.3	Gauss Elimination for system of Linear Equations
15	1.4	System of Equations with Non-Unique Solutions
	2.3	Inverse of a Square Matrix
		Final Exam: TBA