UCONN

Math Courses

Math 1070Q – Mathematics for Business and Economics (Fall 2016)

Home

Outline

Homework

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.

Discussion Sections 101D-115D: Lectures in person taught by **Professor Voula Collins**.

Discussion Sections 131D-142D: Lectures in person taught by **Professor Stephen Zito**.

Discussion Sections 161D-174D: Lectures in person taught by **Professor Anthony Rizzie**.

Students are also required to attend a discussion section that meets once per week.

Required Textbook:

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

You can purchase the bundled version of Applied Finite Mathematics with a Webassign code from the UConn Bookstore or directly from the publisher's website. Click ~~here~~ for a direct link. Alternatively, you may also purchase a WebAssign access code directly from WebAssign and obtain a copy of the text elsewhere.

i>clicker Registration:

Clickers will be used in the lectures. You must register your i>clicker by visiting the link through the lecture section of your instructor in HuskyCT.

Homework and WebAssign:

WebAssign: Online homework and 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. These will be due at the end of the week that the material has been covered on Sunday nights at 11:59 PM. Be sure to start the assignments early so that you can ask questions.

In-Class Quizzes: Short, weekly in-class quizzes will be given in discussion sections on material covered during the previous week.

Late Work Policy: Homework extensions will not be granted, and there will be no makeup quizzes, except for in extenuating circumstances. However, at least one homework and quiz score will be dropped at the end of the semester to accommodate any issues that may arise. It is important that you manage your time effectively to complete the homework before it is due and attend discussion to take quizzes when they are given. Choosing not to do either is up to you, but there will not be any opportunities to recover missed points.

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). A TI-Nspire is acceptable as long as you use a TI-84 face plate. You may **not** use a tablet, phone, or computer as a calculator. Using these devices on an exam may result in, for example, your exam receiving a grade of 0.

Grading:

Online Homework	Webassign	10%
In-Class Quizzes	Discussion	10%
Clicker Questions	Lecture	5%
Exam 1: (Oct 6)	Evening exam	25%
Exam 2: (Nov 10)	Evening exam	25%
Final Exam: (Date TBA)	Common exam	25%

The midterm exams are scheduled for Thursday, October 6 and Thursday, November 10. 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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Week	Section	Topic
1	4.1	Introduction to Sets
	4.2	The Number of Elements in a Set
2	4.3	Sample Spaces and Events
	4.4	Basics of Probability
3	5.1	The Multiplication Principle and Permutations
	5.2	Combinations
	4.5	Rules for Probability
4	4.6	Conditional Probability
	4.7	Bayes' Theorem
	5.3	Probability Applications of Counting Principles
5	5.4	Bernoulli Trials
	6.1	Random Variables and Histograms
6		**Exam I**
7	6.2	Measure of Central Tendency
	6.3	Measure of Spread
	6.4	The Normal Distribution
8	F1	Simple Interest
	F2	Compound Interest
	F3	Annuities
9	F4	Present Value of Annuities and Amortization
	N/A	Examples with Mortgages and Student Loans
10	1.1	Mathematical Models
	1.2	Systems of Linear Equations
11		**Exam II**
12	3.1	Linear Programming Problems
	3.2	Graphing Linear Inequalities
13		**Thanksgiving Break**
14	3.3	Graphical Solutions of Linear Programming Problems
	2.1	Introduction to Matrices
	2.2	Matrix Multiplication
15	1.3	Gauss Elimination for system of Linear Equations
	1.4	System of Equations with Non-Unique Solutions
		Final Exam: December 14th, 3:30-5:30 PM