Math 1070Q — Mathematics for Business and Economics (Spring 2019)

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.

Textbook:

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

Our textbook is available bundled with a WebAssign code at the UConn Bookstore. Click here .pdf to see information on which of the available bundles is right for you.

HuskyCT:

You can access HuskyCT by going to **lms.uconn.edu**. If you are registered for the course, you should have **two** MATH1070 HuskyCT pages. Your **lecture section** will have a section number of 010 or 030, and will contain all of the learning modules, course orientation, syllabus, schedule, Piazza, etc and will be used for announcements relevant to the entire course. Your **discussion section** will have a section number that ends in D, and will contain the link to WebAssign, and will be used for announcements relevant to your specific discussion section/TA.

Homework, Quizzes, WebAssign, and Piazza:

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** and click the link on the left navigation menu which says "WebAssign". This will take you directly to the WebAssign assignments for your class.
WebAssign homework and quizzes are due 11:59pm on the Wednesday following the week they cover.

Homework: There will be homework assigned for each section of the text in WebAssign. Be sure to complete the homework assignments by the posted due dates. **It is your responsibility to complete the homework assignments on time. Your lowest two homework scores will be dropped at the end of the term.** You will usually have 5 attempts to answer each non-multiple choice homework question. 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, ask for help from your professor or TA. We're here to help! You might also find help at the course review sessions, the course discussion board on Piazza, and/or in person at the Q-Center.

Quizzes: There will be quizzes assigned for each section of the text in WebAssign. Be sure to complete the quizzes by the posted due dates. **It is your responsibility to complete the assignments on time. Your lowest two quiz scores will be dropped at the end of the term.** You will usually have 3 attempts to answer each non-multiple choice quiz question.

Late Work Policy: Homework extensions will not be granted, and there will be no makeup exams or quizzes except for in extenuating circumstances. However, **two homework scores and two quiz scores 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. Choosing not to do so is up to you, but there will not be any opportunities to recover missed points.

Piazza: We will use Piazza as a course discussion/participation tool. Piazza allows students and instructors to post questions, answers, and comments in a Wiki type format. Students are encouraged to edit the "Student Answer" for a question in order to help one another understand the material. Instructors will also be active in posting an "Instructor Answer". Further discussions are also allowed in addition to the answers.

You can post questions regarding your homework, studying, or anything else that pertains to issues with concepts within each topic. The system is highly catered to getting you help fast and efficiently from classmates, the TAs, and myself. Rather than emailing questions to the teaching staff, I encourage you to post your questions on Piazza. If you have any problems or feedback for the developers, email team@piazza.com.

You will be expected to participate in Piazza at least 15 times during the semester, an average of approximately one post per week of the semester. Those 15 participation posts can be any combination of questions, answers, and followup discussions. Active participation is helpful to those who are struggling as well as those who can consolidate what they've learned into a clear explanation for others.

You will be expected to follow basic forum etiquette, and to post thoughtful and relevant questions/answers/comments. **Inappropriate posts or posts without considered student input (spam, just asking for the answers, etc) may be deleted and won't be counted for your participation**.

Exams:

Our class has two midterm exams that will be held in-person in Storrs, scheduled for 6-8pm on 2/28 and 4/4, and a final exam that will be scheduled by the Registrar at some point during the semester. Exam rooms will be announced on HuskyCT before each exam. Your exam location will be dependent on your **discussion section**, and it is your responsibility to show up at the correct location. **Taking the exam in the wrong room may result in you receiving a 0 for that exam.**

The exams are not online and they are traditional paper and pencil based exam which need to be proctored in person. If you are not able to make the listed exam dates, you MUST contact your professor IMMEDIATELY.

Calculator Policy:

A calculator is allowed and recommended for exams (**Graphing calculator models TI-89 and above are not permitted**). At a minimum, your calculator should be able to perform the standard scientific calculator operations (for example, factorials, combinations, powers, etc). Sharing of calculators will not be permitted for exams, so make sure to bring your own. You may **not** use a tablet, phone, or computer as a calculator. **Using a prohibited device on an exam may result in your exam receiving a grade of 0.**

Review Sessions and the Q Center:

Q Center: The Q Center offers additional help for MATH 1070Q, with tutors available nearly every day. In addition, the Q Center will hold an additional review session prior to each exam.

Grading:

Online Homework	WebAssign	10%
Online Quizzes	WebAssign	10%
Online Discussion Participation	Piazza	5%
Exam 1: (6-8 pm on 2/28)	Storrs	20%
Exam 2: (6-8 pm on 4/4)	Storrs	20%
Final Exam: (TBD)	Storrs	35%

Note: If you think a mistake has been made in grading or in recording any grades in WebAssign, please bring this to your instructor's attention as soon as possible. All grades must be corrected and updated before the final exam is administered; no changes will be made after that time.

Edit

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Tentative Outline

Week #	Week Dates	Section	Topic
1	1/22 – 1/26	1.1	Mathematical Models
		1.2	Systems of Linear Equations
2	1/27 – 2/2	3.1	Linear Programming Problems
		3.2	Graphing Linear Inequalities
		3.3	Graphical Solutions of Linear Programming
3	2/3 – 2/9	4.1	Introduction to Sets
		4.2	The Number of Elements in a Set
4	2/10 – 2/16	4.3	Sample Spaces and Events
		4.4	Basic Probability
5	2/17 – 2/23	5.1	Multiplication Principle and Permutations
		5.2	Combinations
	2/28		**Exam I (6-8pm on 2/28)**
6	2/24 – 3/2	4.5	Rules for Probability
		4.6	Conditional Probability
		4.7	Bayes' Theorem
7	3/3 – 3/9	5.3	Probability Applications of Counting Principles
		5.4	Bernoulli Trials
8	3/10 – 3/16	6.1	Random Variables and Histograms
		6.2	Measures of Central Tendency
9	3/17 – 3/23		**Spring Recess**
10	3/24 – 3/30	6.3	Measures of Spread
		6.4	Normal Distributions
	4/4		**Exam II (6-8pm on 4/4)**
11	3/31 – 4/6	F1	Simple Interest and Discount
		F2	Compound Interest
12	4/7 – 4/13	F3	Annuities
		F4	Present Value of Annuities and Amortization
13	4/14 – 4/20	2.1	Introduction to Matrices
		2.2	Matrix Multiplication
14	4/21 – 4/27	1.3	Gaussian Elimination
		1.4	Systems of Equations with Non-Unique Solutions
15	4/28 – 5/4	2.3	Inverse of a Square Matrix
16	TBD		**Final Exam (TBD)**