Math 1070Q — Mathematics for Business and Economics (Fall 2018)

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)

You can purchase a discounted bundled version of Applied Finite Mathematics with a WebAssign code from the UConn Bookstore or directly from the publisher (link will be available here soon). Alternatively, you may also purchase a WebAssign access code directly from WebAssign and obtain a copy of the text elsewhere.

Homework, Quizzes, and WebAssign:

WebAssign: Online homework sets 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.

Homework: There will be homework assignments 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.** Unless otherwise stated, WebAssign is set to require 3 decimal places of precision. We strongly recommend that you do not round and use fractional values whenever possible, or at least make sure to submit 3+ decimal places. You will usually have 5 attempts to answer each non-multiple choice homework question. For multiple choice homework questions, the number of attempts may 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, ask for help from your professor or TA. We’re here to help! You might also find help at the course discussion boards on HuskyCT and 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. For multiple choice homework questions, the number of attempts may vary based on the content.

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.

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.**

Grading:

Online Homework	WebAssign	10%
Online Quizzes	WebAssign	10%
Online Discussion Participation	Piazza	5%
Exam 1: (6-8 pm on 10/4)	Storrs	20%
Exam 2: (6-8 pm on 11/8)	Storrs	20%
Final Exam: (3:30-5:30pm on 12/12)	Storrs	35%

The exams are not online and they are traditional paper and pencil based exam which need to be proctored in person.

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

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	Dates	Section	Topic
1	8/27 – 9/1	1.1	Mathematical Models
		1.2	Systems of Linear Equations
2	9/2 – 9/8	3.1	Linear Programming Problems
		3.2	Graphing Linear Inequalities
		3.3	Graphical Solutions of Linear Programming
3	9/9 – 9/15	4.1	Introduction to Sets
		4.2	The Number of Elements in a Set
4	9/16 – 9/22	4.3	Sample Spaces and Events
		4.4	Basic Probability
5	9/23 – 9/29	5.1	Multiplication Principle and Permutations
		5.2	Combinations
	10/4		**Exam I (6-8pm on 10/4)**
6	9/30 – 10/6	4.5	Rules for Probability
		4.6	Conditional Probability
		4.7	Bayes' Theorem
7	10/7 – 10/13	5.3	Probability Applications of Counting Principles
		5.4	Bernoulli Trials
8	10/14 – 10/20	6.1	Random Variables and Histograms
		6.2	Measures of Central Tendency
9	10/21 – 10/27	6.3	Measures of Spread
		6.4	Normal Distributions
	11/8		**Exam II (6-8pm on 11/8)**
10	10/28 – 11/3	F1	Simple Interest and Discount
		F2	Compound Interest
11	11/4 – 11/10	F3	Annuities
		F4	Present Value of Annuities and Amortization
12	11/11 – 11/17	2.1	Introduction to Matrices
		2.2	Matrix Multiplication
13	11/18 – 11/24		**Thanksgiving Break**
14	11/25 – 12/1	1.3	Gaussian Elimination
		1.4	Systems of Equations with Non-Unique Solutions
15	12/2 – 12/8	2.3	Inverse of a Square Matrix
16	TBD		**Final Exam (3:30-5:30pm on 12/12)**