Math 1070Q — Finite Mathematics for Business and Economics Majors — Spring 2014

FINAL EXAM:

Our final exam will be on Friday, May 9th from 3:30pm-5:30pm. **The final is cumulative, and could include any of the sections we have covered this semester**. As on the second exam, a sheet with all formulas from Chapter F will be provided, as well as a table of values for the normal distribution.

Exam Rooms:
Sections 11D through 15D will be in PB 36.
Sections 16D through 19D will be in PB 38.
Sections 31D through 42D will be in LH 102.

Sample Final Exam
Sample Final Exam Solutions
This sample exam is intended to give you an idea of what reasonable expectations for the exam are. Since the exam is cumulative, there are many topics that could appear, but the sample exam does not cover them all. It is very important to make sure you use several other sources whil you study, with previous homeworks being especially helpful. Make sure to review your notes as well. Use the problems in the text for further practice too.

Final Exam Review
Wednesday, May 7th, 6:00pm to 8:00pm, ITE C80.
Exam Review Live Stream and Recording
As usual, please bring lots of questions with you! I can come up with examples on the fly, but they won't be as useful as specific ones that you have picked out yourself. So decide which topics you want to discuss AND choose some relevant questions to talk about. All students from all sections are welcome to attend. We plan to stream the review live if you are unable to make it to campus at that time, and a recording of the review should be available to view afterwards.

Text:

Applied Finite Mathematics by Edmond C. Tomastik and Janice L. Epstein (1st Edition), bundled with *Webassign* code.

Graphing calculators (TI 82, 83, 84, 84 plus, 85 or 86 recommended). (Models TI-89 and above are not permitted on the exams and quizzes)

You can buy the bundled version of Applied Finite Mathematics with the Webassign code from the UConn Co-op or purchase a WebAssign access code driectly from WebAssign and obtain a copy of the text elsewhere.

Hybrid section taught by Dr. Myron Minn-Thu-Aye (Discussion Sections 11D-18D): Students who have enrolled in the hybrid section of this course will view all video lectures through HuskyCT. You will be able to access course materials on the first day of the semester. Discussion sections meet in person, twice each week, and are a good opportunity to ask questions and talk about this material with your TA and fellow students.

- Discussion classes are an essential part of this course. It is expected that students will attend, and there will in-discussion quizzes, which will form a part of your final grade.

Standard section taught by Dr. David Ferrone: Students who have enrolled in the standard section of this course will attend lectures in person by Dr. David Ferrone. Discussion sections for this section meet in-person as well, once a week, and are a good opportunity to ask questions and talk about this material with your TA and fellow students.

- Discussion classes are an essential part of this course. It is expected that students will attend, and there will in-discussion quizzes, which will form a part of your final grade.

The following applies to all students in all sections of this course. :

Homework and Webassign:

Homework: There will be homework assignments for each section of the text. The due date for each assignment will generally be two or three days after the material is covered in class. **You will get 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, it would be a good idea to get in touch with your TA, your professor, other students in the class, or the Q-Center.

Quizzes: There will be also be an online quiz for each section of the text. These quizzes will be timed assignments on Webassign and will generally be due one day after the corresponding homework assignment. There will also be an in-discussion quiz each week on the previous week's material.

WebAssign: Online homework and quizzes for MATH 1070 are assigned and completed using WebAssign. To access your homework online you must go to HuskyCT. It is important to note that your WebAssign account is linked to your discussion section. Once you access the discussion section on HuskyCT, 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.

Grading:

Online Homework	Webassign	5%
Online Quizzes	Webassign	5%
Written Quizzes	Discussion	15%
Exam 1: (Thursday March 6)	Common evening exam	25%
Exam 2: (Thursday April 17)	Common evening exam	25%
Final Exam: (TBA)	Common (2 hours)	25%

Note:

The **common midterm exams** will be held on Thursday evenings in rooms that will be listed here later. The dates and times are listed in PeopleSoft, but not the rooms.

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Tentative Outline

(*Applied Finite Mathematics,* by Tomastik & Epstein)

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
	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
6	5.1	Multiplication Principle and Permutations
	5.2	Combinations
7		Review for Exam I
		Exam I
8	4.5	Rules for Probability
	4.6	Conditional Probability
	4.7	Bayes' Theorem
		Spring Break
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	F1	Simple interest and discount
	F2	Compound interest

Week	Section	Topic
	F3	Annuities
	F4	Present value of Annuities and Amortization
12		Review for Exam II
		Exam II
13	2.1	Introduction to Matrices
	2.2	Matrix Multiplication
	1.3	Gauss Elimination for system of Linear Equations
14	1.4	System of Equations with Non-Unique Solutions
	2.3	Inverse of a Square Matrix