Math 1070Q · Spring 2014

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Outline
Notes

Common Course Webpage
Feedback

Midterm 2 Review
Midterm 2 Review Solutions!
Corrections to solutions for problems 2 and 10b.
Formulas and Table that will be provided on midterm 2.

Practice Final Exam
Practice Final Exam Solutions
(In 2a, there should be some non-negativity constraints.)

Linear Programming Youtube Video
In general, search online for "Linear Programming" examples when you're looking for help on chapter 3.

Z-Score Table

The final exam is taking place Friday at 3:30-5:30, in Laurel Hall 102.

Instructor:	David Ferrone
Meeting Times & Locations:	Lecture 030: LH 101, MWF 12:20 - 1:10
Contact Information:	E-mail: david.ferrone@uconn.edu Website: http://www.math.uconn.edu/~ferrone/
Office Hours:	MW 10:00 - 10:50, and by appointment
Textbook:	*Applied Finite Mathematics*, by Tomastik and Epstein
Calculator Policy:	Graphing calculators are not necessary, but a calculator capable of computing combinations/permutations will be required at some point. The homework will require a calculator, as will some questions in class.
Grading Policy:	Your grade will be calculated as follows:

Homework and Quizzes via Webassign	10%
Quizzes during Discussion Sessions	15%
Exam 1 (Thurs, March 6, 6-8pm)	25%
Exam 2 (Thurs, April 17, 6-8pm)	25%
Final Exam	25%

Homework: Homework (and quizzes) will be assigned and graded via Webassign. WebAssign is accessible through HuskyCT, please contact your TA if you cannot register or are in the wrong section. You will need to purchase an access code online at

	webassign.com. Otherwise, this access code may come bundled with a new textbook. The fastest way to fail a class is to not do the homework. The best way to get a good grade in a class is to do the homework soon, often, and repeatedly. You should be spending (at least) as much time on the homework as you do in class. Please feel free to ask me or your TA questions to make sure you've understood the homework questions. Over a few weeks, after you've done the problems two or three times, you should be able to do them quickly and without having to think about the approach.
Exams:	There are two common exams and a final exam. No make up exams will be allowed without a documented excuse and approval prior to the exam. No books or notes are allowed during any exams.
Quizzes:	We will give short quizzes (10-15 minutes) each week during discussion sessions. There will be no make up quizzes. In the event of a *documented* illness or emergency, a quiz may be dropped.
Attendance:	Attending each lecture is strongly encouraged. You are responsible for all material presented in class.
Classroom Behavior:	Please be respectful of others during lecture and discussion. Remember to turn off your cell phone or set it to silent mode before the start of class. Do not use headphones, sleep, or read during class. If you feel that you have something better to do, just don't come to class.
Academic Integrity:	Academic misconduct of any kind will not be tolerated. Cheating on any assignment will result in a grade of zero for that assignment, and a possible fail for the entire course. For a full explanation of the policies, see the following web page: http://www.sp.uconn.edu/~ml201vc/misconduct.html.

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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
	5.1	Multiplication principles and Permutations
6		Review for Exam I
		Exam I
7	5.2	Combinations
	4.5	Rules of Probability
8	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		Review for Exam II
		Exam II

Week	Section	Topic
12	F1	Simple interest and discount
	F2	Compound interest
	F3	Annuities
	F4	Present value of Annuities and Amortization
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