

Math 125: Finite Math Spring 2012

Instructor: Evan Innerst

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Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
9:45 – 11:00	Office hours	Office hours	Office hours	Office hours	By arrangement
11:10 – 12:25	Math 125 17 - 109	Math 123 17 - 109	Math 125 17 - 109	Math 123 17 - 109	By arrangement
12:45 – 1:55	Math 253 17-109	Math 253 17-109	Math 253 17-109	Math 253 17-109	
2:00 - 300	On Campus	On Campus	On Campus	On Campus	

Materials

Textbook: Finite Mathematics 10th edition by Soo T. Tan with a code for Webassign

Calculator: You will need a graphing calculator such as the TI – 83 or TI - 84

Coverage

We will be covering chapters 1 to 8. Topics include a review of linear functions, matrix methods for solving systems of equations, Matrix operations, linear programming and the simplex method, the mathematics of finance, counting, and probability.

Student Learning Outcomes (SLOs) for the course include:

1. Solve a system of equations using matrices and row operations
2. Use the simplex method to solve a standard maximization problem
3. Use the simple interest, compound interest, future value, and present value formulas to solve financial problems.
4. Use counting methods to solve probability problems.
5. Find expected values of a random variable.

Types of Assignments

Homework (20% of the grade): Homework will be done on WebAssign. Sets of homework will be due on Monday following the week they are assigned. If you don't finish an assignment, then you may continue working on it for one week with a 30% penalty. No other extensions will be granted.

The Class key for webassign is **canadacollege 2633 8726**

Homework Notebook: As you work on the problems in webassign you will need to do all of your work in a spiral notebook or on paper which you put into a folder to be turned in at each test. Each section should be labeled so that it is easy to find and all of your work shown. For the occasional problem that does not require work your may write "no work needed." The score will be part of your Homework grade and weighted 3 times a single HW assignment

Quizzes (5% of the grade): There are some quizzes scheduled throughout the semester (see schedule). Each quiz will be worth 5 points. There are **no makeup quizzes**, but the lowest score will be dropped.

Tests (50% of the grade): There will be 7 tests (one for each chapter covered). The tests will be a mixture of online, take home, and in class tests. The in class and take home tests will be weighted double the online tests. After each test you will be given an opportunity to correct the problems you missed and earn back some of the points that you missed. Each test is worth 100 points.

Test	Coverage	Type
Test 1	Chapters 1	Online
Test 2	Chapter 2	In class
Test 3	Chapter 3	Online
Test 4	Chapter 4	Take Home
Test 5	Chapter 5	In Class
Test 6	Chapter 6	Online
Test 7	Chapter 7	In Class

Make up tests: There are no make ups for online tests, but you may ask for an extension with a 30% penalty. There will be a 30% penalty for a late take home test. If you miss an in class test, then you may make it up within a week of the original test. The score on the makeup test will be scaled by a factor of 0.9. For example if you got 92 on the makeup test you would get $92 \times 0.9 = 82.8$ or 83 as your score for the test. There are no corrections on makeup tests. **You may only take one make up test during the semester** (If you miss a second test your score for that test will be zero).

Hours by Arrangement and Portfolio Problems (5% of the grade): To meet the hours by arrangement requirement you will work on a set of problems in the learning center. Your work on these problems will be put together into a portfolio to be collected on Monday May 14th. The portfolio will be worth 50 points and be graded on accuracy, neatness, completeness, organization, and the completion of at least 16 hours in the learning center. Late portfolios will be worth a maximum of 40 points.

Final Exam (20% of the grade) : The final exam is comprehensive and scheduled for Wednesday May 23rd 11:10 – 1:40. There is no makeup for the final.

Grades

Grades are based on the percentage earned

A: 90 – 100% B: 80 – 89% C: 70 – 79% D: 60 – 69% F: 0 – 59%

Spring 2012 Math 125 Tentative Schedule

1	Mon	16-Jan	
	Wed	18-Jan	Introduction, 1.1
2	Mon	23-Jan	1.2, 1.3
	Wed	25-Jan	1.4, Test #1 Online
3	Mon	30-Jan	2.1, 2.2
	Wed	1-Feb	2.2, 2.3, Quiz
4	Mon	6-Feb	2.4, 2.5
	Wed	8-Feb	2.5, 2.6, Quiz
5	Mon	13-Feb	Review
	Wed	15-Feb	Test #2
6	Mon	20-Feb	Holiday
	Wed	22-Feb	3.1, 3.2
7	Mon	27-Feb	3.2, 3.3, Test #3 Online
	Wed	29-Feb	4.1
8	Mon	5-Mar	4.2
	Wed	7-Mar	Review, Test #4 Take Home
9	Mon	12-Mar	5.1
	Wed	14-Mar	5.2, Quiz
10	Mon	19-Mar	5.3
	Wed	21-Mar	Review
11	Mon	26-Mar	Test #5
	Wed	28-Mar	6.1, 6.2

		2-Apr 4-Apr	Spring Break Spring Break
12	Mon Wed	9-Apr 11-Apr	6.3 6.4, Test #6 Online
13	Mon Wed	16-Apr 18-Apr	7.1, 7.2 7.2, 7.3, Quiz
14	Mon Wed	23-Apr 25-Apr	7.4, 7.5 7.5, 7.6, Quiz
15	Mon Wed	30-Apr 2-May	Review Test #7
16	Mon Wed	7-May 9-May	8.1, 8.2 8.3, Quiz
17	Mon Wed	14-May 16-May	Review, Portfolio Due Review
finals	Mon Wed	21-May 23-May	Final Exam 11:10 - 1:40