

NORTHEASTERN ILLINOIS UNIVERSITY  
*EL CENTRO*  
FALL 2009

**MATH 165** – Finite Mathematics for Business and the Social Sciences  
MW 7:10 – 8:25 P.M.

Prof. Jose D. Cotte  
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COURSE DESCRIPTION

This course is an introduction to matrices, linear programming and probability with emphasis on mathematical models in the social, managerial and behavioral sciences and mathematics of finance.

TEXTBOOK: Lial, Greenwell, Ritchey. 2008. FINITE MATHEMATICS, Pearson.

REQUIREMENTS:

- Regular **attendance** and the minimum homework listed on an attached sheet are required for success. Attendance will be taken at each class meeting. Your attendance and homework records will not lower your grade, but in a borderline situation they might raise your grade. If you are absent or late to class it is your responsibility to get notes and any information from **another student**.

-There will be **4 exams** (25% each)

**Students must take all the tests.** All exams are closed book, closed notes. Exams are graded with partial credit.

**Homework assignments** are not to be handed in, I will however periodically check to see if you are doing it. So make sure that it is always with you, organized and neatly done. **As material is covered on lectures you are to do the corresponding assignment. Do not get behind in your homework.** The listed homework assignments are a **minimum**--you may need to do more to make sure you understand the concepts thoroughly. The Review Exercises at the end of each chapter are not listed on the assignment sheet, but students are **strongly encouraged** to do them to help study for exams. It is also **extremely important** for students to constantly review previously covered material.

**Calculators:** The use of a scientific calculator is required for the course. A graphing calculator is optional and may be useful on the homework, but it will not be permitted on any of the exams.

GRADING RANGE: 100-90 A; 89-80 B; 79-70 C; 69-60 D; 59-0 F

- **Tutors** are available in the Math Lab, located on the 4th floor of the Library. The schedule is posted there.

**CELL PHONES:** During class, please turn all cell phones and beepers off.

\*\*\*\*\***Bring your Textbook to Every Class Meeting**\*\*\*\*\*

Note: Exam dates may change.

Minimum homework assignments: **EVERY ODD NUMBERED PROBLEM of EACH SECTION COVERED.**

Week	Date	Section	Odd number problems
1	8/31	2.1	1, 3, 7, 9, 13, 15, 19, 23, 25, 31, 37, 39, 41
	9/2	2.2	1-7, 11, 15, 17-21, 25, 29, 45, 47, 49
2	9/7	<b>Labor Day Holiday</b>	
	9/9	2.3	1-29, 39
3	9/14	2.4	1-29, 43
	9/16	3.1	1-5, 25, 29, 31, 39, 43
4	9/21	3.2	1-9, 13, 15
	9/23	3.3	1-9, 11, 13, 15, 17
5	9/28	4.1	1-15, 21, 25, 29
	9/30	<b>Exam 1 on Chapters 2 &amp; 3</b>	
6	10/5	4.2	1, 3, 7, 9, 11, 13, 15, 21
	10/7	4.3	1-13, 17
7	10/12	5.1	1, 3, 7, 9, 15-31, 35, 41, 43, 47
	10/14	5.2	21-55
8	10/19	5.3	9-25, 35, 37, 41-45
	10/21	<b>Exam 2 on Chapters 4 &amp; 5</b>	
9	10/26	7.1	1-53
	10/28	7.2	1-29, 39, 55, 57
10	11/2	7.3	1-41
	11/4	7.4	1-13, 17-23, 45-49
11	11/9	7.5	1-13, 21-25
	11/11	7.6	7-19, 23
12	11/16	<b>Exam 3 on Chapter 7</b>	
	11/18	8.1	1-17, 35-41, 45, 47
13	11/23	8.2	1-11, 17-21, 23, 29, 31, 39, 43
	11/25	8.2	
14	11/30	8.3	1-11, 31-33, 47-51
	12/2	8.4	1-19, 25-39
15	12/7	10.1	1-5, 11, 13, 17-21, 28, 29
	12/9	10.2	1-9, 15, 17, 25, 26
16	12/14	Review	
	12/16	<b>Final Exam</b>	