

MTH 107 : Mon/Wed/Fri Fall 2007

MTH 107
Introduction to Finite Mathematics

Instructor: Yevgeniy Kostrov,

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Office Hours: Mon/Wed/Fri 11-12 am

Text: D. Datta, *Finite Math for Liberal Arts* , **Second Edition**

Calculator: Required

Cell Phones: Must be turned off during class

Prerequisite: Basic arithmetic

Topics include statistics, set theory, counting techniques, and probability. The primary goal is to develop an appreciation for mathematics in everyday events. Wherever possible, examples will be given from daily life, current events, etc. Doing well in this course requires some effort on your part: Come to class, read the book, review your notes, do the homework problems, and *ask questions*. The exams will be based on homework problems. Don't be concerned if you don't understand everything. We will devote some class time to addressing any problems you might have and you can feel free email me, or arrange for time outside of class. There should be no excuse for not clearing up any problems you might have. This class is intended to be enjoyable, not tedious.

Grading:

Task	Points
2 In class Exams- 100 points each	200
Quizzes	100
Final Exam	200
TOTAL	500

Quizzes: Quizzes will be given every Friday and they will be similar to the homework.

Homework: I will not collect homework but doing homework is essential to understand the material covered in this class.

Section	Page	Problems
1.1	5	3, 4, 6
1.2	9	1, 3, 4, 5
1.3	14	1, 2, 4, 8
1.5	22	3, 4, 6, 7
1.6	26	1, 3, 6
2.1	38	2, 6
2.2	44	1, 2, 4
2.3	48	2, 3, 7, 8
2.4	56	1, 2, 4, 6, 8
3.1	73	73 2, 3, 7
3.2	78	3, 5, 6
3.3	81	1, 4, 5, 6, 9
3.4	85	1, 2, 3, 7
3.5	87	1, 3, 4
5.1	115	2, 5, 6
5.2	118	1-4, 6, 10
5.3	122	1, 2, 6, 8, 11
5.4	127	1, 2, 4, 6