

SPRING 2013

MATH 125 Discrete Mathematics I

Schedule: MW 12:00-1:15pm, Planetary Hall 129. No classes 3/11 and 3/13.

Instructor: Igor Griva, igriva@gmu.edu, (703) 993-4511

Office hours: MW 1:20 – 2:00 pm, Planetary Hall, Rm. 229

Prerequisite: Specified score on Math Placement Test, or successful completion of self-paced algebra program offered by Math Literacy Center.

Webpage: <http://math.gmu.edu/~igriva/math125.htm>

Text: Goodaire and Parmenter, *Discrete Mathematics with Graph Theory*.

Exams: There are two midterm exams:

Exam 1: February 18 (points 0 - 100)

Exam 2: April 8 (points 0 - 100)

Final Exam: May 13, 10:30 am – 1:15 pm (points 0 – 100)

Final score: $F = 0.1*(\text{Homework}) + 0.25*(\text{Exam 1}) + 0.25*(\text{Exam 2}) + 0.4*(\text{Final Exam})$

Final grade:	A-: 90 - 92;	A: 92 – 98;	A+: 98 – 100
	B-: 80 - 82;	B: 82 – 88;	B+: 82 – 90
	C-: 70 - 72;	C: 72 – 78;	C+: 78 – 80
	D: 60 - 70;		
	F: 0 - 60;		

Homework: Homework exercises will be assigned in the end of each class and they are representative of the exam questions. The homework submission is strictly due to the next class (otherwise the homework will not be graded). Homework is collected randomly with grading is based on two randomly chosen problems.

In general: The course is on discrete mathematics and graph theory. It teaches the basics of the theory and trains to do practical exercises. The course develops formal reasoning, modeling skills and considers important applications. Introduces ideas of discrete mathematics and combinatorial proof techniques including mathematical induction, sets, graphs, trees, recursion, and enumeration.