

FALL 2014

MATH 112 Discrete Mathematics for IT

Schedule: MW 1:30 - 2:45 pm, Planetary Hall 129. No classes on Sept. 1 and Nov. 26.
We meet Tuesday October 14.

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

Office hours: MW 3:00-4:00 pm, Exploratory Hall, rm 4114

Prerequisite: Math Placement Test Score of 80 or better on Elementary Algebra, or successful completion of the self-paced Algebra Program offered by the Math Learning Center.

Webpage: <http://math.gmu.edu/~igriva/math112.html>

Text: *Discrete Mathematics for BSIT*, Custom Edition, Prentice Hall, 2006.

Exams: There are two midterm exams:

Exam 1: September 22 (points 0 - 100)

Exam 2: October 27 (points 0 - 100)

Final Exam: December 10 (points 0 – 100), 1:30 - 4:15 pm

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

Final grade:	A-: 90 - 93;	A: 93 – 97;	A+: 97 – 100
	B-: 80 - 83;	B: 83 – 87;	B+: 87 – 90
	C-: 70 - 73;	C: 73 – 77;	C+: 77 – 80
	D: 0 – 70;		
	F: 0 – 60;		

Homework: Homework exercises will be assigned after each class and they are representative of the exam questions. Quizzes are given randomly at the beginning of classes and consist of problems similar to those in homework.

In general: The course covers the following topics: logic, sets, principle of counting, permutations and combinations, probability, graphs and trees, statements and proofs, mathematical induction. Students will develop elements of formal reasoning, modeling skills, learn basics of theory and how to do practical exercises.