

**MATH 125-001: Discrete Mathematics**  
**Syllabus, Fall 2009**

**GENERAL INFORMATION**

**Last Day to Add** – September 15, **Last Day to Drop** – October 2.

If you are student with a disability and need academic accommodations, please see me and contact the Disability Resource Center (DRC) at 703-993-2474. All academic accommodations must be arranged through that office.

**Textbook required.** E.G. Goordaire and M.M. Parmenter, *Discrete Mathematics with Graph Theory*, Third Edition, Prentice-Hall, 2006.

**Material to be covered.** Chapters 0-3, 5-9, and 12 (with some sections omitted).

**Homework.** Problems for the homework will be assigned regularly. Although these will not be collected, success in midterms and final exam depend strongly on their completing and understanding.

**Attendance and Make-Ups.** Each student is expected to come to class regularly. No make-ups for exams are allowed unless you have a very serious written excuse. Do not expect to take the final early.

**Exams.** There will be three midterm exams and final exam. All exams are closed-book, with one sheet of notes and no cellular phones or calculators.

**Grading.** Each midterm is worth 20 points, and final is worth 40 points. Your total grade is the sum of points for the midterms and final. Grading scale is given in the table below.

<i>A+</i>	<i>A</i>	<i>A-</i>	<i>B+</i>	<i>B</i>	<i>B-</i>	<i>C+</i>	<i>C</i>	<i>C-</i>	<i>D</i>	<i>F</i>
100-98	97-93	92-90	89-87	86-83	82-80	79-77	76-73	72-70	69-60	59-0

**OFFICE INFORMATION**

<i>Lectures schedule</i>	MWF, 10:30 am–11:20 am
<i>Lectures place</i>	Innovation Hall, Room 105
<i>Instructor</i>	Dr. Val Soltan
<i>Office</i>	Sci. & Tech. I, Room 241
<i>Office hours</i>	MW, 1:00 pm- 4:00 pm, or by appointment.
<i>Phone</i>	(703) 993-1474
<i>E-mail</i>	vsoltan@gmu.edu
<i>Course web page</i>	<a href="http://math.gmu.edu/~vsoltan">http://math.gmu.edu/~vsoltan</a>

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**COURSE OUTLINE**

<b>Section</b>	<b>Homework Exercises</b>
0.1	1-7.
0.2	1-3,5,10,12,16,18,20,22,24,26,28,31,32,34.
1.1	1,2,3,5,7,9,11.
1.2	1,3,4,5,8,9,10.
2.1	1-5,8,9,11,12,14.
2.2	1,2,3,9,10,14,16,17,19,22,25-28,30.
2.3	1,3-5,7-9,11,12.
2.4	2,3,5,7,8,11-17,21,22.
3.1	1-6,8,9,13-15,18-20.
3.2	1,2,6,7,9-12,14,16,19,20,22-25,28.
3.3	1-3,6,8,10-13,15,16,19,20,22-24,26.
5.1	1,2,4-12,15,16,18,22,26,27,30.
5.2	1,4,6,8,9,11,13,16,18,19,22,25,28,29,31,34,35,36.
6.1	1,4,7,9-11,13,14,17,18,20,22.
6.2	1,5,7,9,13,18,20,22,25.
6.3	1,4,7,10,11,14,17,21,23,25,27,28.
7.1	1,3,5,7,9,10,12,14,16,17.
7.2	1,3,5,6,8,10,11,13,17,19-21,23,24.
7.7	1,3-6,8,9,11,14,16,20,22.
8.1	1,3-5,7,8,9,12,14,16-18.
8.2	1,3,5-8,10-13,15,17,18-21,24.
8.3	1,6,7,10,13,16-18,21,23,25.
9.1	1,4,5,9.
9.2	1,5,9,10,12,13,15-18,20-22,24,26,30,32.
9.3	1,3-5,7-11.
12.1	1,5,7,12,13,15,17,19,21,25-27.
12.2	1,2,4,5,7,9,12,14,16.
12.3	1-4,6,8,10-12,15.