

**MGF 1996 - Pre- Finite Math
Departmental Syllabus
Summer 2009**
(prepared by A. Wlodarczyk)

This course is offered only in Summer B semester and is intended for non-science, non-business majors who plan to take Finite Math or Social Choice Math in Fall.

The purpose of this course is to prepare students for these two courses. Topics covered in this course include basic mathematics (operations on real numbers, percent), algebra (solving linear equations and inequalities and the systems of linear equations and inequalities), logic (statements, compound statements and the truth tables), counting methods (Fundamental Counting Principle, permutations, combinations), and basic probability and statistics.

Text: Thinking Mathematically, 4th edition, by Robert Blitzer

Examinations: Three tests and a comprehensive final should be given in the semester. All tests should be worth 25% of the final grade. A quiz on sec 12.2 and 12.3 should be given separately (on the day before the final) since these sections require a calculator. This quiz might be a part of the final grade or can be considered as an extra credit assignment worth extra 10%.

Students in this course will have access to ALEKS website (aleks.com/fiu). Please encourage them to use the Intermediate Algebra learning module for help with algebra topics. The textbook comes with the access code for MyMathLab and a section will be set up so the students can register and use the site to do the homework online. Contact the course coordinator for more information.

Calculators: Use of calculators should be discouraged and, though they will be necessary in some application problems, they should not be permitted on any tests. Please construct the test questions in such a way, that the calculators are not needed. Sections 12.2 and 12.3 should be tested on the day before final and calculators should be allowed then.

Organization of the course: There are 26 meetings in Summer B and the calendar with suggested schedule of topics and homework assignments is shown below.

Date	Section to be covered	Suggested homework
6/24	5.1	5.1 #1,3,5,11,15,25,27,33,35, 45,49,51,55,57,61,63,67, 91,93, 95
6/25	5.2 5.3 omit objectives 5,8	5.1 # 1- 12 all, 19- 98 odd, 109,110,115,117 5.3 # 1- 36, 57-92 odd, 117-121, 125, 127, 131, 133
6/29	5.3 continued 5.4 objective 1 only 5.5	5.5 # 1-20 all, 29-36 all

6/30	6.1 6.2	6.1 # 1-30 every third, 35-52 odd, 57-64 odd 6.2 # 1- 42 odd, 43, 45, 51- 57 odd, 69-75 odd, 103, 105
7/1	6.3 6.4 objectives 1 and 2 only	6.3 # 1-4, 13, 15, 17, 21,23 6.4 # 1-12 odd, 23, 26, 27
7/2	6.5	6.5 # 1- 12 all, 13-65 every third, 71-76 all, 87, 89, 91,93
7/6	Test 1	
7/7	7.1 objectives 1 and 2 only 7.2	7.1 # 1-32 odd 7.2 # 1-48 all, 59, 61,
7/8	7.3	7.3 # 1- 44 odd, 45, 51-56 all, 57, 59,63,65, 67
7/9	7.4	7.4 # 1-37 odd, 39- 42 all, 49, 51
7/13	8.1 objectives 1-4 only 2.1	8.1 # 1- 50 odd 2.1 # 1- 96 every fourth, 105-112 all
7/14	2.1 2.2 objectives 1-3 only	2.2 # 1- 50 odd, 65-74 all, 75, 77, 79
7/15	2.3 2.4 optional	2.3 # 1, 3, 5-8 all, 17-40 all, 67-92 all, 93,95, 109-122 all 2.4 # 1-12 all, 25-44 all, 45, 47, 93-98all
7/16	3.1 3.2	3.1 # 1-36 odd, 51-60 odd 3.2 # 1-10 odd, 11-18 all, 27-32 all,33-40 all, 59-66 all
7/20	Test 2	
7/21	3.3 3.4	3.3 # 1-42 every fourth, 45, 47,55, 57, 59, 71, 75, 77 3.4 # 3, 7, 13, 21, 25, 27,37, 45, 51,59, 61, 71, 73
7/22	3.5	3.5 # 3, 11, 13, 19, 21, 31, 33, 43,47, 51, 53, 57, 61
7/23	11.1 11.2	11.1 # 1-22 odd 11.2 # 1- 56 odd
7/27	11.3	11.3 # 1 – 58 odd
7/28	11.4 11.5	11.4 # 1 -66 odd 11.5 # 1 – 18 odd
7/29	11.6	11.6 # 1-90 every third
7/30	12.1	12.1 # 1-31 odd
8/3	Test 3	
8/4	12.2 12.3	12.2 # 1 -58 odd 12.3 # 1 – 28 every fourth, 29-32 all, 33, 37
8/5	Quiz on 12.2 and 12.3, review	
8/6	Final exam	