



MAT 1996 - Pre- College Algebra
Departmental Syllabus
Summer 2009
 (prepared by Anna Wlodarczyk)

This course is offered only in Summer B semester and is intended for students who plan to take College Algebra in Fall. The purpose of this course is to review and/or develop skills necessary to succeed in more advanced math courses. The topics covered in this course include real numbers and their properties, polynomial, rational and radical expressions, solving equations and inequalities.

Text: Elementary and Intermediate Algebra, 2nd edition, by Carson, Gillespie and Jordan

Examinations: Three tests and a comprehensive final should be given in the semester. All sections will use MyMathLab for graded homework assignments. Each test and online homework are worth 20% of the final grade.

Students in this course will have access to ALEKS website (aleks.com/fiu) and should be encouraged to use the Intermediate Algebra learning module.

Calculators: Use of calculators should not be allowed in class or on tests. If they are needed in application problems the exception might be made in class but not on the tests. The test questions should be chosen in such a way that the calculators are not needed.

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

Date	Section to be covered	Suggested homework
6/24	1.1	1.1 # 1-79 odd
6/25	1.2 1.3	1.2 # 1-18 odd, 19- 50 all, 53, 57, 61, 65, 69- 73 all 1.3 # 1-23 odd, 25-50 all, 51-64 odd, 65-96 all, 97,99,101, 105, 107
6/29	1.4 1.5	1.4 # 1- 10all, 11-25 odd, 27 – 48 all, 49-56 odd, 57-81 all, 1.5 # 1-6 all, 7- 48 odd, 49-86 every third, 91, 95
6/30	1.6 1.7	1.6 # 1 – 57odd, 1.7 # 1-79 odd

7/1	2.1 2.2	2.1 # 1- 43 odd, 57, 59 2.2 # 1-6 all, 7-22 odd, 23-65 every third, 67, 71, 73, 75
7/2	2.3 2.4	2.3 # 1-6 all, 7- 71 every third, 73-83 odd, 93, 95 2.4 # 5-60 every fourth
7/6	Test 1	
7/7	2.5 2.6	2.5 # 7-49 odd, 61, 63, 65 2.6 # 1- 16 all, 17- 59 every third, 61, 63, 71
7/8	3.1 5.1	3.1 # 1-6 all, 7 – 11odd, 17, 21- 63 odd 5.1 # 1-6 all, 7-38 odd, 49, 51, 57, 61, 65, 67, 71, 73,75, 81, 82
7/9	5.2 5.3 5.4	5.2 # 1-6 all, 7- 41 odd, 43, 47, 51, 53, 55, 63-94 odd 5.3 # 5-24 odd, 31 -51 odd, 59 5.4 #1- 25 odd, 43, 45, 53, 55-79 odd
7/13	5.5 5.6	5.5 # 1-6 all, 7-24 odd, 37 – 63 odd, 71-100 odd,101,105, 107 5.6 # 1-6all, 7-35 every third, 43, 47-76 every third, 81-98odd, 107-130odd
7/14	6.1 6.2	6.1 # 1- 6 all, 7-54 every third, 63-66all, 67-98 every third, 99 6.2 # 5- 44 odd, 53 -63 odd,,
7/15	6.3 6.4 6.5	6.3 # 1-4 all, 7-9odd, 11-72 every fourth, 77 6.4 # 1-6 all, 7- 64 every fourth, 65-80 odd 6.5 # 1-6 all, 7-81 every fourth
7/16	6.6 7.1	6.6 # 1-4all, 5-48 every third, 49, 55, 67, 69 7.1 # 1-6 all, 7-13 ab odd, 15- 24 odd, 23-68 every third,79,85
7/20	Test 2	
7/21	7.2 7.3	7.2 # 1-34 every third, 39-66 every third, 81,83, 87,91 7.3 # 5- 48 every fourth, 53, 55
7/22	7.4 7.5	7.4 # 1-5 all, 7-64 every third, 73 7.5 # 1-6all, 7- 42 odd, 57
7/23	7.6 7.7 (objective 1 only)	7.6 # 1-6 all, 7-12 odd, 13- 53 every third, 7.7 # 7, 9, 11, 15, 17, 19
7/27	8.1 8.2	8.1 # 1-6all, 7- 86 every fourth, 91, 97 8.2 # 1-5all, 7 – 56 every third
7/28	8.3 10.1(objectives 1-3 only)	8.3 # 1-6all, 7- 54 every fourth 10.1 # 1-6all, 7- 56 every fourth, 73-100 odd
7/29	10.2 10.3	10.2 #1-5 all, 7 –56 every fourth, 57-96 every third, 97-107odd 10.3 # 5- 107 every fourth

7/30	10.4 10.5	10.4 #1-4all,5- 16 every third, 19-44 every third, 47-57odd,67,69,71, 75-85odd 10.5 # 1-4all, 5-28every fourth,31,33,41,43, 51-67 every third
8/3	Test 3	
8/4	10.6 11.1 (no complex solutions)	10.6 # 1-6all, 7- 64 every fourth, 75 11.1 # 1,4, 5,6, 7-13odd, 17-23 odd, 27, 29,33, 37,39,43,47,63-104 every third, 107, 111,117
8/5	11.2 (skip objective 3) 11.3 (time permitting)	11.2 # 1-5 all, 7-23 every third, 29,37,55-64 every third 11.3 #1,4, 7,9,11,19, 23, 31, 33, 37, 39, 45,49
8/6	Final exam	