



MAC 1990 - Intermediate Algebra
Departmental Syllabus
Fall 2009
 (prepared by Anna Wlodarczyk)

The purpose of this course is to review and/or develop skills necessary to succeed in College Algebra. 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: Five tests and a comprehensive final should be given in the semester. The final exam will be common for all sections of this course and should count for 25% of the final grade. The class will use MyMathLab or ALEKS module for mandatory homework assignments and quizzes. The online component should count for 15% of the final grade (7% HW + 8% quizzes)

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 is total of 42 meetings in the semester and, since 5 tests will be given, 38 meetings will be left for lectures. The tests should be distributed uniformly throughout the semester. Two test should be completed before the drop date and the last test should be given during the last week of classes.

Suggested pacing and relevant homework assignments are given below.

Number of lectures	Chapter/sections	Suggested homework
4.5 lectures	1.1 - 1.7	1.1 # 1-79 odd 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 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 1.6 # 1 – 57odd, 1.7 # 1-79 odd
4 lectures	2.1-2.6	2.1 # 1- 43 odd, 57, 59 2.2 # 1-6 all, 7-22 odd, 23-65 every third, 67, 71, 73, 75 2.3 # 1-6 all, 7- 71 every third, 73-83 odd, 93, 95 2.4 # 5-60 every fourth

		<p>2.5 # 7-49 odd, 61, 63, 65</p> <p>2.6 # 1- 16 all, 17- 59 every third, 61, 63, 71</p>
3 lectures	3.1, 3.2, 3.3, 3.4	<p>3.1# 1-6 all, 7 – 11odd, 17, 21- 63 odd, 71, 73</p> <p>3.2# 1-6 all, 7- 38 every third, 39-55 odd, 59, 61, 63, 69, 71, 83, 85, 87, 91</p> <p>3.3 #1- 50 every third</p> <p>3.4 # 1-33 every third</p>
4 lectures	5.1 – 5.6	<p>5.1 # 1-6 all, 7-38 odd, 49, 51, 57, 61, 65, 67, 71, 73,75, 81, 82</p> <p>5.2 # 1-6 all, 7- 41 odd, 43, 47, 51, 53, 55, 63-94 odd</p> <p>5.3 # 5-24 odd, 31 -51 odd, 59</p> <p>5.4 #1- 25 odd, 43, 45, 53, 55-79 odd</p> <p>5.5 # 1-6 all, 7-24 odd, 37 – 63 odd, 71-100 odd,101,105, 107</p> <p>5.6 # 1-6all, 7-35 every third, 43, 47-76 every third, 81-98odd, 107-130odd</p>
4.5 lectures	6.1- 6.6	<p>6.1 # 1- 6 all, 7-54 every third, 63-66all, 67-98 every third, 99,101</p> <p>6.2 # 5- 44 odd, 53 -63 odd,83</p> <p>6.3 # 1-4 all, 7-9odd, 11-72 every fourth, 77</p> <p>6.4 # 1-6 all, 7- 64 every fourth, 65-80 odd, 81, 83, 97</p> <p>6.5 # 1-6 all, 7-81 every fourth</p> <p>6.6 # 1-4all, 5-48 every third, 49, 55, 67, 69</p>
6 lectures	7.1-7.7 7.7 objectives 2,3 are optional	<p>7.1 # 1-6 all, 7-13 ab odd, 15- 24 odd, 23-68 every third,79,85</p> <p>7.2 # 1-34 every third, 39-66 every third, 71, 73, 81,83, 87,91</p> <p>7.3 # 5- 48 every fourth, 53, 55</p> <p>7.4 # 1-5 all, 7-64 every third, 73, 77</p> <p>7.5 # 1-6all, 7- 42 odd, 45, 47, 57, 61</p> <p>7.6 # 1-6 all, 7-12 odd, 13- 50 every third,</p> <p>7.7 # 7, 9, 11, 15, 17, 19</p>
3 lectures	8.1-8.3	<p>8.1 # 1-6all, 7- 86 every fourth, 91, 97</p> <p>8.2 # 1-5all, 7 – 56 every third</p> <p>8.3 # 1-6all, 7- 54 every fourth</p>
5 lectures	10.1-10.6 10.1 objectives 1-3	<p>10.1 # 1-6all, 7- 72 every fourth, 73-108 odd</p> <p>10.2 #1-5 all, 7 –56 every fourth, 57-96 every third, 97-107odd</p> <p>10.3 # 5- 107 every fourth</p> <p>10.4 #1-4all,5- 16 every third, 19-44 every third, 47-57odd,67,69,71, 75-85odd</p> <p>10.5# 1-4all, 5-28every fourth,31,33,41,43, 51-67 every third</p> <p>10.6# 1-6all, 7- 64 every fourth, 75</p>
4 lectures	11.1-11.3, 11.5	<p>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</p> <p>11.2 # 1-5 all, 7-23 every third, 29,37,55-64 every third</p> <p>11.3#1,4, 7-51 every third, 53</p> <p>11.5 # 1, 6, 15-44 odd, 51 – 68 odd, 69, 71</p>