

Math – 012 Intermediate Algebra—Fall 2008

COURSE OUTLINE

C. Wayne Ehler, Professor of Mathematics

cwehler@aacc.edu

wayneehler@comcast.net

410-777-2559 (Office)

410-570-5439 (Cell)

Date 2008 Week of --	Topic	Book Section	Web Sites	Graded Homework Assignme nt
25 Aug	1.Numbers (concepts – ideas) and Numerals (symbols for the concept) Base 5 and Babylonian	Handout	http://en.wikipedia.org/wiki/Numeral_system http://en.wikipedia.org/wiki/Numeral_system#Five http://www-groups.dcs.st-and.ac.uk/~history/HistTopics/Babylonian_numerals.html	Homework 1 Due 2 Sep
1 Sep			No Class – Martin Luther King Birthday Celebration	
2 Sep	1. Binomial Theorem and Pascal's Triangle 2.Functions	14.4 8.1, 8.2, 8.4	http://www.themathpage.com/aPrecalc/binomial-theorem.htm http://en.wikibooks.org/wiki/Algebra/Functions	Homework 2 Due 8 Sep
8 Sep	More on Functions: Linear, Polynomial, Absolute Value and Rational	8.4, 8.5	http://www.analyze-math.com/function/linear_functions.html http://www.purplemath.com/modules/polydefs.htm http://www.purplemath.com/modules/absolute.htm http://www.youtube.com/watch?v=NxbLXwXXp7Y&feature=related http://id.mind.net/~zona/mmts/functionInstitute/rationalFunctions/definition/definition.html	Homework 3 Due 15 Sep

15 Sep	1. Algebra of Functions 2. Business Applications	Supplemental section 7.4 Supplemental section 8.8	http://www.okc.cc.ok.us/maustin/Algebra_Functions/Algebra%20of%20Functions.htm http://www.socialstudieshelp.com/Economics_SupplyDemand.htm	Homework 4 Due 22 Sep
Monday 22 Sep	<u>Performance Opportunity 1</u>		On Line. No class. Work independently on PO2, submit email solutions by 10 a.m. 23 Sep 2008	
23 Sep	1. Quadratic Equations (2nd degree Polynomials) 2. Quadratic Formula 3. Factoring	11.1, 11.3 11.4 Page 346 back of book	http://en.wikipedia.org/wiki/Quadratic_equation http://www.math.com/students/calculators/source/quadratic.htm http://www.regentsprep.org/Regents/Math/math-topic.cfm?TopicCode=factor	Homework 5 Due 29 Sep
29 Sep	1. Quadratic Equations and Modeling 2. Inequalities	11.2 11.5, 4.4, 9.3	http://www.math.unc.edu/Faculty/mcombs/web/alg/classnotes/quadeqapp/introquadeqapp.html (Do examples 2, 3, and 4) http://www.sosmath.com/algebra/inequalities/ineq01/ineq01.html	Homework 6 Due 6 Oct
6 Oct	Operations with Rational Functions	7.1 to 7.5	http://www.themathpage.com/aprecalc/rational-functions.htm	Homework 7 Due 13 Oct
13 Oct	Formulas, Ratio and Proportion	7.6 7.7	http://math.about.com/library/blmeasurement.htm http://www.boardofed.idaho.gov/saa/formulas.asp http://www.math.com/school/subject1/lessons/S1U2L2GL.html	Homework 8 Due 20 Oct
17 Oct	<u>Performance Opportunity 2</u>	Friday	On Line. No class. Work independently on PO2, submit email solutions by 10 a.m. 18 Oct 2008	
21 Oct	Inverse Functions	12.1	http://www.regentsprep.org/Regents/mathb/7a3/inverselesson.htm http://www.analyzemath.com/inversefunction/Tutorials.html	Homework 9 Due 27 Oct
27 Oct	1. Radical Functions (Square Root	10.4, 10.5	http://youtube.com/watch?v=oJLLQ2WeT5M	Homework 10 Due 3 Nov

	etc.) 2.Working with radicals	10.1 to 10.3	http://www.themathpage.com/alg/simplify-radicals.htm	
3 Nov	Exponential and Logarithmic Functions	12.2, 12.3	http://www.intmath.com/Exponential-logarithmic-functions/1_Definitions-exp-log-fns.php http://www.regentsprep.org/Regents/math/algtrig/ATP8b/exponentialFunction.htm	Homework 11 Due 10 Nov
10 Nov	<u>Performance Opportunity 3</u>		On Line	Homework 12 Due 11 Nov
11 Nov	More on Logarithms	12.3, 12.4	http://www.youtube.com/watch?v=djR8DkQ_UU0&feature=related http://www.youtube.com/watch?v=25eh41M4jA4&feature=related	Homework 13 Due 2 Nov
17 Nov	Word Problems	8.2,10.5,11.3, 12.1,12.3	http://www.jimloy.com/algebra/word4.htm http://www.saab.org/mathdrills/percent.cgi	Homework 14 Due 24 Nov
24 Nov	More on Word Problems		http://www.cut-the-knot.org/arithmetic/WProblem.shtml	
27-28 Nov		Thanksgiving Break	No classes	
1 Dec	Review			
2 Dec	<u>Performance Opportunity 4</u>			
4, 5 Dec	Course Review and Practice Final Exam			
8 Dec	Final Exam Week			