M107 Fall 2008

Intermediate Algebra for College Students

5th ed., Robert Blitzer

Time	Sections	Suggested odd exercises from which to choose homework
Part I 4 weeks	**2.1** Introduction to Functions	**2.1:** 1-21
	2.2 Graphs of Functions	**2.2:** 1-39
	5.1 Introduction to Polynomials and Polynomial Functions	**5.1:** 1-53
	5.2 Multiplication of Polynomials	**5.2:** 1-101
	5.3 GCF and Factoring by Grouping	**5.3:** 1-67, 79, 81, 83, 85
	5.4 Factoring Trinomials	**5.4:** 1-91, 105
	5.5 Factoring Special Forms	**5.5:** 1-93, 107, 109
	5.6 A General Factoring Strategy	**5.6:** 1-67, 81, 83
	5.7 Polynomial Equations and Their Applications	**5.7:** 1-49, 63, 65, 71, 73, 75, 81
Part II 4.5 weeks	**6.1** Rational Expressions/Functions: Multiplying/Dividing	**6.1:** 1-15, 27-89
	6.2 Adding and Subtracting Rational Expressions	**6.2:** 1-65, 85
	6.3 Complex Rational Expressions	**6.3:** 1-39
	6.4 Division of Polynomials	**6.4:** 1-35
	6.6 Rational Equations	**6.6:** 1-33
	1.5 Problem Solving and Using Formulas	**1.5:** 1-9, 19, 21, 33-73
	6.7 Formulas and Applications of Rational Equations	**6.7:** 1-13, 25-51
Part III 3.5 weeks	**7.1** Radical Expressions and Functions	**7.1:** 1-89
	7.2 Rational Exponents	**7.2:** 1-111, 125, 127, 133
	7.3 Multiplying and Simplifying Radical Expressions	**7.3:** 1-81, 93, 95
	7.4 Adding, Subtracting, and Dividing Radical Expressions	**7.4:** 1-65, 81, 83
	7.5 Mult. With More Than One Term, Rationalizing Denom	**7.5:** 1-103, 117, 119
	7.7 Complex Numbers	**7.7:** 1-99, 115
Part IV 2.5 weeks	**8.1** The Square Root Property/Completing the Square.	**8.1:** 1-61, 65, 75, 77, 83, 85
	8.2 The Quadratic Formula	**8.2:** 1-59
	8.3 Quadratic Functions and Their Graphs	**8.3:** 1-43, 59
	8.4 Equations Quadratic in Form	**8.4:** 1-37

Optional: **6.5** Synthetic Division and the Remainder Theorem
7.6 Radical Equations
Fundamental Theorem of Algebra (Instructor-supplied handouts)

Suggested Evaluation Model:

Three exams	300 points (Exams not allowed during the last week of classes.)
Quizzes (5 to 10)	100 points
Homework (MyMathLab) (optional)	60 points
Comprehensive Final	200 points
Attendance (optional)	30 points
Total	**600 to 690 points**

Policy Guidelines

Note cards, if allowed on exams, should be size 3 in by 5 in.
Bonus points, if awarded, should account for no more than 5% of the final grade.
Attendance points, if awarded, should total no more than 30 points.
(Note that attendance points are not treated as bonus points.)

Exam Schedule

Parts I, II, and III above suggest a possible schedule for exams. As you plan your particular exam schedule, please consider having the second exam so that students have results before October 31, the last day to withdraw.