

Math 002. Introductory Algebra

Lecture notes and supplementary material are used for this class.

Chapter 1	Hours
1. Real Numbers	2
2. Rational Numbers and their arithmetic	3
3. Order of Operation	2
4. Polynomials	2
5. Factorization	6
6. Rational Expressions	4
7. Exponents	1.5
8. Rational Exponents	1.5
9. Radicals	4
Chapter 2	
1. Solving Linear Equations	3
2. Equations with Fractions	3
3. Literal Equations	1
4. Word Problems	6
5. System of Linear Equations (optional if time permits)	
6. Interval Notation	1
7. Linear Inequalities	4
8. Solving Quadratic Equations	4
Chapter 3	
1. Cartesian Coordinates	1
2. Graphing Equations	2
3. Slopes and Intercepts	3
4. Line Equations	3
5. Functions	3
Leeway and Examinations	10
Total	60

Notes:

1. Homework should be collected and graded on a regular basis. And quizzes should be given weekly. It is something that we can do to encourage better study habits.
2. In-class worksheets are appropriate at this level. Having students work at the blackboard is also appropriate depending on class size and class attitude. Math 002 students must practice these basic skills enough to be able to easily use them in college algebra and later.