

<u>CORE CONTENT</u>	<u>APPROX % OF COURSE</u>
Solve Linear and Quadratic equations	2%
Graphing and Modeling Linear and Quadratic Functions	3%
Analytic geometry	15%
Solving equations with polynomials and Rational Functions	10%
Graphing and Modeling with Polynomial and Rational Functions	15%
Exponential and Logarithmic Functions	15%
Matrix Algebra	15%
Linear Systems	15%
Linear Programming	5%
Non-Linear Systems	5%

VI. METHOD OF EVALUATION TO DETERMINE IF OBJECTIVES HAVE BEEN MET BY STUDENTS: (Check all that apply.)

Essay	<u>X</u>	Class Activity	<u>X</u>	Written Assignments	<u>X</u>
Problem Solving Exercise	<u>X</u>	Final Exam	<u>X</u>	Oral Assignments	<u>X</u>
Skill Demonstration	<u>X</u>	Objective	<u>X</u>	Quizzes	<u>X</u>
Other	_____.				

VII. INSTRUCTIONAL METHODOLOGY: (Check all that apply.)

Lecture	<u>X</u>	Discussion	<u>X</u>	Demonstration	<u>X</u>
Audio Visual	<u>X</u>	Group Activity	<u>X</u>	Lab Activity	<u>X</u>
Computer Assisted Instruction	<u>X</u>	Individual Assistance	<u>X</u>	Simulation/ Case Study	<u>X</u>
On-Line	<u>X</u>				

Two (2) hours of independent work done out of class per each hour of lecture or class work, or 3 hours lab, practicum, or the equivalent per unit.

VIII. TEXTBOOK(S) AND SUPPLEMENT(S):

Barnett, Raymond A. et al. College Algebra. McGraw Hill, 2005.

Aufmann, Richard N. et al. Applied College Algebra. Houghton Mifflin, 2004.

Larson, Ron et al. College Algebra. Houghton Mifflin, 2006.

Beecher, Judith A. et al. College Algebra. 2nd edition. Addison Wesley, 2005.