MAC 1105 College Algebra

Florida State University

Fall 2000-Summer 2002 and Fall 2004 - Summer B 2018)

Course Sequence:
Science Majors: MAC1105 (College Algebra)-MAC1140 (Precalculus) and MAC1114 (Trigonometry)-MAC2311 (Calculus I)

Business Majors: MAC1105 (College Algebra)-MAC2233 (Business Calculus)

Liberal Arts Majors: College Algebra is not required. May take MAC1105, MGF1106, MGF1107 in any sequence

Course Topics
Text: Precalculus Enhanced with Graphing Utilities, 2nd ed and FSU Custom Edition, Sullivan and Sullivan, Prentice Hall.

Section	Topic
A5	(review) Rational Expressions
A6	(review) Rational Exponents
Supplement	(review) Solving Equations and Linear Inequalities; Interval Notation
1.1	Rectangular Coordinates
1.2	Graphs of Equations
1.6	Lines
1.7	Circles
2.1	Functions
2.2	Linear Functions and Models (prior to fall 2002)
2.3	Characteristics of Functions; Library of Functions
2.4	Graphing Techniques; Transformations
2.5	Operations on Functions; Composite Functions
2.6	Mathematical Models; Constructing Functions
3.1	Quadratic Functions and Models
3.2	Power Functions
3.8	Polynomial and Rational Inequalities
4.1	Inverse Functions
4.2	Exponential Functions
4.3	Logarithmic Functions
4.4	Properties of Logarithms
4.5	Logarithmic and Exponential Equations
4.6	Compound Interest
10.1	Systems of Linear Equations
10.7	Systems of NonLinear Equations (beginning Fall 2003)
10.8	Systems of Linear Inequalities