MATH 1160 PRECALCULUS		
Section	Section Name / Topic	Textbook Page
1.1	Real Numbers	2
1.2	Exponents and Radicals	13
1.3	Algebraic Expressions	25
1.4	Rational Expressions	36
1.5	Equations	45
1.6	Complex Numbers	59
1.7	Modeling with Equations	65
1.8	Inequalities	81
1.9	The Coordinate Plane; Graphs of Equations; Circles	92
1.10	Lines	106
2.1	Functions	148
2.2	Graphs of Functions	159
2.3	Getting Information from the Graph of a Function	170
2.4	Average Rate of Change of a Function	183
2.5	Linear Functions and Models	190
2.6	Transformations of Functions	198
2.7	Combining Functions	210
2.8	One-to-One Functions and Their Inverses	219
3.1	Quadratic Functions and Models	246
3.2	Polynomial Functions and Their Graphs	254
3.3	Dividing Polynomials	269
3.5	Complex Zeros and the Fundamental Theorem of Algebra	287
3.6	Rational Functions	295
3.7	Polynomial and Rational Inequalities	311
4.1	Exponential Functions	330
4.2	The Natural Exponential Function	338
4.3	Logarithmic Functions	344
4.4	Laws of Logarithms	354
4.5	Exponential and Logarithmic Equations	360
4.6	Modeling with Exponential Functions	370
5.1	The Unit Circle	402
5.2	Trigonometric Functions of Real Numbers	409
5.3	Trigonometric Graphs	419
5.4	More Trigonometric Graphs	432
5.5	Inverse Trigonometric Functions and Their Graphs	439
6.1	Angle Measure	472
6.2	Trigonometry of Right Triangles	482
6.3	Trigonometric Functions of Angles	491
6.4	Inverse Trigonometric Functions and Right Triangles	501
6.5	The Law of Sines	508
6.6	The Law of Cosines	516
7.1	Trigonometric Identities	538
7.2	Addition and Subtraction Formulas	545
7.3	Double-Angle, Half-Angle, and Product-Sum Formulas	553
7.4	Basic Trigonometric Equations	564
7.5	More Trigonometric Equations	570