Precalculus

	FALL					SPRING		
	Textbook Pages	**Skills Covered**	**Lesson Numbers**			**Textbook Pages**	**Skills Covered**	**Lesson Numbers**
September 2	ON SITE	Meet Your Coaches / Course Description			Janauary 4	310-319	Trigonometric Identities	5-1
4	P3-P5	Sets	0-1		6	320-326	Verifying Trigonometric Identities	5-2
7		**Labor Day - No Classes**			8	327-334	Solving Trigonometric Equations	5-3
9	P6-P8	Operations with Complex Numbers	0-2		11	336-345	Sum and Difference Identities	5-4
11	P9-P13	Quadratic Functions and Equations	0-3		13	346-354	Multiple-Angle and Product-to-Sum Identities	5-5
14	P14-P17	nth Roots and Real Exponents	0-4		15	355-361	**Chapter 5 Review and Test Window**	
16	P18-P22	Systems of Linear Equations and Inequalities	0-5		18		**Martin Luther King, Jr. Day - No Classes**	
18	P23-P27	Matrix Operations	0-6		20	362-374	Multivariable Linear Systems and Row Operations	6-1
21	P28-P31	Probability with Permutations and Combinations	0-7		22	375-387	Matrix Multiplication, Inverses, and Determinants	6-2
23	P32-P37	Statistics	0-8		25	388-396	Solving Linear Systems Using Inverses and Cramer's Rule	6-3
25	3-12	Functions	1-1		27	398-404	Partial Fractions	6-4
28	13-23	Analyzing Graphs of Functions and Relations	1-2		29	405-412	Linear Optimization	6-5
30	24-33	Continuity, End Behavior, and Limits	1-3		February 1-4	413-419	**Chapter 6 Review and Test Window**	
October 2	34-43	Extrema and Average Rates of Change	1-4		8	420-431	Parabolas	7-1
5	45-56	Parent Functions and Transformations	1-5		10	432-441	Ellipses and Circles	7-2
7	57-64	Function Operations and Composition of Functions	1-6		12	442-452	Hyperbolas	7-3
9	65-75	Inverse Relations and Functions	1-7		15		**President's Day - No Classes**	
12		**Columbus Day - No Classes**			17	454-463	Rotations of Conic Sections	7-4
13-18	76-83	**Chapter 1 Review and Test Window**			19	464-472	Parametric Equations	7-5
19	84-96	Power and Radical Functions	2-1		22-25	473-479	**Chapter 7 Review and Test Window**	
21	97-108	Polynomial Functions	2-2		26	480-491	Introduction to Vectors	8-1
23	109-117	The Remainder and Factor Theorems	2-3		March 1	492-499	Vectors in the Coordinate Plane	8-2
26	119-129	Zeros of Polynomial Functions	2-4		3	500-508	Dot Products and Vector Projections	8-3
28	130-140	Rational Functions	2-5		5	510-517	Vectors in Three-Dimensional Space	8-4
30	141-147	Nonlinear Inequalities	2-6		8	518-524	Dot and Cross Products of Vectors in Space	8-5
November 2	148-155	**Chapter 2 Review and Test Window**			10-14	525-531	**Chapter 8 Review and Test Window**	
4	156-171	Exponential Functions	3-1		14-19		**Spring Break - No Classes**	
6	172-180	Logarithmic Functions	3-2		22	532-541	Polar Coordinates	9-1
9	181-188	Properties of Logarithms	3-3		24	542-550	Graphs of Polar Equations	9-2
11	190-199	Exponential and Logarithmic Equations	3-4		26	551-559	Polar and Rectangular Forms of Equations	9-3
13	200-210	Modeling with Nonlinear Regression	3-5		29	561-568	Polar Forms of Conic Sections	9-4
16-20	211-217	**Chapter 3 Review and Test Window**			31	569-579	Complex Numbers and DeMoivre's Theorem	9-5
22-29		**Thanksgiving Break - No Classes**			April 1-6	580-587	**Chapter 9 Review and Test Window**	
30	218-230	Right Triangle Trigonometry	4-1		7	588-598	Sequences, Series, and Sigma Notation	10-1
December 2	231-241	Degrees and Radians	4-2		9	599-607	Arithmetic Sequences and Series	10-2
4	242-255	Trigonometric Functions on the Unit Circle	4-3		12	608-619	Geometric Sequences and Series	10-3
7	256-267	Graphing Sine and Cosine Functions	4-4		14	621-627	Mathematical Induction	10-4
9	269-279	Graphing Other Trigonometric Functions	4-5		16	628-635	The Binomial Theorem	10-5
11	280-290	Inverse Trigonometric Functions	4-6		19	636-644B	Functions as Infinite Series	10-6
14	291-301	The Law of Sines and the Law of Cosines	4-7		21-25	645-651	**Chapter 10 Review and Test Window**	
15-20	302-309	**Chapter 4 Review and Test Window**			26	652-663	Descriptive Statistics	11-1
Fall Teaching Days	33				28	664-673	Probability Distributions	11-2
Fall Q and A Days	43				30	674-684	The Normal Distribution	11-3
					May 3	685-694	The Central Limit Theorem	11-4
					5	696-704	Confidence Intervals	11-5
					7	705-712	Hypothesis Testing	11-6
					10	713-724	Correlation and Linear Regression	11-7
					12-16	725-733	**Chapter 11 Review and Test Window**	
					Spring Teaching Days	38		
					Spring Q and A Days	61		