

PreCalculus McGraw Hill - Pacing Guide

SEMESTER 1

Dates			Number of Days
August 17 - September 14 20 days	Chapter 1 – Functions and Relations		
	1-3	Functions and Relations	3 days
	1-4	Linear Equations in Two Variables and Linear Functions	3 days
	1-5	Applications of Linear Equations and Modeling	2 days
	1-6	Transformations of Graphs	3 days
	1-7	Analyzing Graphs of Functions and Piecewise-Defined Functions	3 days
	1-8	Algebra of Functions and Function composition	3 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>		3 days
September 15- October 5 15 days	Chapter 2 – Polynomial and Rational Functions		
	2-1	Quadratic Functions and Applications	3 days
	2-2	Introduction to Polynomial Functions	4 days
	2-3	Division of Polynomials and the Remainder and Factor Theorems	4 days
	2-4	Zeros of Polynomials	3 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>		2 days
October 7 - October 9	FIAB - Seeing Structure in Expressions/Polynomial Expressions		October 7 - October 9
October 13 - October 27 11 days	2-5	Introduction to Rational Functions	5 days
	2-6	Graphs of Rational Functions	4 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>		2 days
October 28 - December 11 26 days	Chapter 3 – Exponential and Logarithmic Functions		
	3-1	Inverse Functions	4 days
	3-2	Exponential Functions	5 days
	3-3	Logarithmic Functions	5 days
	3-4	Properties of Logarithms	3 days
	3-5	Exponential and Logarithmic Equations and Applications	4 days
	3-6	Modeling with Exponential and Logarithmic Functions	3 days
	Additional/Extra Instructional Days - Unit Review/ <u>Assessment</u>		2 days
December 15 - December 17	(Final Exam) FIAB - Create Equations: Linear and Exponential		December 15 - December 17

SEMESTER 2

Dates			Number of Days
January 14 - March 5 34 days	Chapter 4 – Trigonometric Functions		
	4-1	Angles and their Measure	4 days
	4-2	Trigonometric Functions Defined on the Unit Circle	4 days
	4-3	Right Triangle Trigonometry	4 days
	4-4	Trigonometric Functions of Any Angle	5 days
	4-5	Graphs of Sine and Cosine Functions	5 days
	4-6	Graphs of Other Trigonometric Functions	5 days

	4-7	Inverse Trigonometric Functions	4 days
	Additional/Extra Instructional Days - Unit Review/ Assessment		3 days
March 8 - March 10	FIAB - Geometry and Right Triangle Trigonometry		March 8 - March 10
March 11 - April 16 18 days	Chapter 11 - Sequences, Series, Induction, and Probability		
	11-1	Sequences and Series	2 days
	11-2	Arithmetic Sequences and Series	2 days
	11-3	Geometric Sequences and Series	2 days
	11-4	Mathematical Induction	2 days
	11-5	The Binomial Theorem	2 days
	11-6	Principles of Counting	2 days
	11-7	Introduction to Probability	3 days
	Additional/Extra Instructional Days - Unit Review/ Assessment		2 days
	FIAB - Statistics and Probability		1 day
April 19 - May 7 13 days	Chapter 9 – Matrices and Determinants and Applications		
	9-1	Solving Systems of Linear Equations Using Matrices	2 days
	9-2	Inconsistent Systems and Dependent Equations	2 days
	9-3	Operations on Matrices	2 days
	9-4	Inverse Matrices and Matrix Equations	3 days
	9-5	Determinants and Cramer's Rule	2 days
	Additional/Extra Instructional Days - Unit Review/ Assessment		4 days
May 10 - May 28 (window) 10 days	Chapter 12 - Preview of Calculus		
	12-1	Introduction to Limits Through Tables and Graphs	5 days
	12-2	Algebraic Properties of Limits	5 days
May 3 - May 28	CAASPP Testing		May 3 - May 28
June 4 - June 8	Finals Weeks		June 4 - June 8

Extra Instructional Days

Closing the Unit

Unit Review, Math Modeling, Unit Assessment, Performance Task, FIABs

Intervention

Fluency Practice, Differentiation (small group lessons, ALEKS, personalized practice)