

Lecture schedule based on “Precalculus. An Investigation of Functions”, Edition 2.1, by Lippman and Rasmussen

<b>Section</b>	<b>Lectures</b>	<b>Topic</b>
1.1	1	Functions and Function Notation
1.2	.5	Domain and Range
1.3	.5	Rates of Change and Behavior of Graphs
1.4	1	Composition of Functions
1.5	1	Transformation of Functions
1.6	1	Inverse functions
2.1	1	Linear Functions
2.2	1	Graphs of Linear Functions
2.3	1	Modeling with Linear Functions
2.5	1	Absolute Value Functions
3.1	1	Power Functions and Polynomial Functions
3.2	1	Quadratic Functions
3.3	1	Graphs of Polynomial Functions
3.7	2	Rational Functions
3.8	1	Inverses and Radical Functions
4.1	1	Exponential Functions
4.2	1	Graphs of Exponential Functions
4.3	1	Logarithmic Functions (change of base is optional)
4.4	1	Logarithmic Properties
4.5	1	Graphs of Logarithmic Functions
5.1	1	Circles
5.2	.5	Angles
5.3	1.5	Points on Circles Using Sine and Cosine
5.4	1	The Other Trigonometric Functions
6.1	1	Sinusoidal Graphs
6.3	1	Inverse Trig Functions
6.4	1	Solving Trig Equations
7.1	1	Solving Trigonometric Equations with Identities
7.3	1	Double Angle Identities
8.2	1.5	Polar Coordinates
8.3	1.5	Complex Numbers