

	<i>Monday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<b>Week 1</b> <b>8/27-8/31</b>	Introductions/First Day Activity	2.2 Graphing Functions, Domain/Range	WeBWorK/Blackboard Meet: Computer Lab Ross 2261	2.2/2.1 Function Notation/Lines
<b>Week 2</b> <b>9/3-9/7</b>	<b>Labor Day</b> <b>No Class</b>	8.1a Sequences in Closed Form	2.2 Representations of Functions	2.4 Root Functions
<b>Week 3</b> <b>9/10-9/14</b>	2.1/2.3 Absolute Value, Linear Functions	2.4 Basic Polynomials Introduction to Regression	5.1/5.3 Exponential Functions	3.5/5.2/5.3 Simple Rational Functions and Logarithmic Functions
<b>Week 4</b> <b>9/17-9/21</b>	3.3 Translations and Reflections	3.3/2.6 Modeling Data	Catch-Up/Review	<b>Exam 1</b>
<b>Week 5</b> <b>9/24-9/28</b>	1.1/1.2/6.1 Solving Linear Equations	R.4&1.5 Solving Equations with Factoring/ Square Root Property	1.5/1.4 Quadratic Formula/ Complex Numbers	3.3 Stretching/Compression Multiple Transformations
<b>Week 6</b> <b>10/1-10/5</b>	3.3 More on Transformations	2.2/3.8 Analyzing Graphs Domain/Range	2.5/1.2 Graphical Inequalities and Interval Notation	3.4 Vertex of a Parabola, Completing the Square
<b>Week 7</b> <b>10/8-10/12</b>	3.1 Composition of Functions	3.1 5 Ways to Combine Functions	3.8 Analyzing Graphs Inc/dec; max/min; pos/neg	Catch-Up/Review
<b>Week 8</b> <b>10/15-10/19</b>	<b>Exam 2</b>	3.2 Inverse Functions	5.3 Exponentials and Logs as Inverses	3.2 Graphing and Inverse Functions [Last day to Withdraw]
<b>Week 9</b> <b>10/22-10/26</b>	8.1 Sequences in Recursive Form	R.2/R.6/5.1 Properties of Exponents	5.2 Properties of Logs	5.3 Applications of Exponentials and Logs
<b>Week 10</b> <b>10/29-11/2</b>	5.4 Solving Exp and Log Equations	5.5 Estimating Time of Death	5.5 Applications in Finance and Population Growth	4.4 Graphing Polynomials (deg, end behave, turning)
<b>Week 11</b> <b>11/5-11/9</b>	4.3 Building Polynomials from x intercepts and scaling factors	4.4 Roots of Polynomials	Catch-Up/Review	<b>Exam 3</b>
<b>Week 12</b> <b>11/12-11/16</b>	4.2/1.3 The Factor Theorem/ Solving Polynomial Eqns	4.1 Polynomial Division	4.1 Polynomial Division (cont.)	3.6/4.5 Variation and Rational Functions
<b>Week 13</b> <b>11/19-11/23</b>	3.7/6.8 Piecewise Functions/ Partial Fractions	<b>Fall Break (No Classes)</b>		
<b>Week 14</b> <b>11/26-11/30</b>	4.6 Building Rational Functions from Asymptotes/ints	6.2/6.3 Solving Systems of Equations and Inequalities	6.5 Solving Linear Systems with Matrices	6.5 Matrices cont.
<b>Week 15</b> <b>12/3-12/7</b>	7.1 Circles and Ellipses	7.2/7.5 Analytic Parabolas and Hyperbolas	7.1/7.2/7.5 Orbits of Satellites	Review
<b>Finals Week</b> <b>12/10-12/14</b>			<b>Final Exam</b> <b>(2:30 class)</b> <b>1:30-4:00pm</b>	<b>Final Exam</b> <b>(3:35 class)</b> <b>10:45am-1:15pm</b>

\*The course calendar is tentative and will likely change