

Jan 13, 2015 <i>Mathematical Models</i> <i>Direction Fields</i>  <i>Section 1.1</i>	Jan 15, 2015 <i>Solutions</i> <i>Classification of DEs</i>  <i>Sections 1.2-1.4</i>	Jan 20, 2015 <i>Linear Equations</i> <i>Separable Equations</i>  <i>Sections 2.1-2.2</i>	Jan 22, 2015 <i>Modeling</i> <i>Linear vs. Nonlinear Equations</i>  <i>Sections 2.3-2.4</i>
Jan 27, 2015 <i>Autonomous Equations</i> <i>Exact Equations</i>  <i>Sections 2.5-2.6</i>	Jan 29, 2015 <i>Euler's Method</i> <i>Existence and Uniqueness</i>  <i>Sections 2.7-2.8</i>	Feb 3, 2015  <i>Exam 1</i> <i>First Order DEs</i>  <i>Sections 1.1-2.8</i>	Feb 5, 2015 <i>Homogeneous Equations</i> <i>Wronskian</i>  <i>Sections 3.1-3.2</i>
Feb 10, 2015 <i>Complex Roots</i> <i>Repeated Roots</i>  <i>Sections 3.3-3.4</i>	Feb 12, 2015 <i>Nonhomogeneous Equations</i> <i>Variation of Parameters</i>  <i>Sections 3.5-3.6</i>	Feb 17, 2015 <i>Vibrations</i> <i>Forcing Functions</i>  <i>Sections 3.7-3.8</i>	Feb 19, 2015 <i>Higher Order</i> <i>Linear Equations</i>  <i>Sections 4.1-4.2</i>
Feb 24, 2015 <i>Undetermined Coefficients</i> <i>Variation of Parameters</i>  <i>Sections 4.3-4.4</i>	Feb 26, 2015  <i>Exam 2</i> <i>Higher Order Linear DEs</i> <i>Mid-Semester</i> <i>Sections 3.1-4.4</i>	Mar 3, 2015 <i>Series Solutions</i> <i>near an Ordinary Point</i>  <i>Sections 5.1-5.2</i>	Mar 5, 2015 <i>Series Solutions</i> <i>Euler Equations</i>  <i>Sections 5.3-5.4</i>
Mar 10, 2015 <i>Regular Singular Points</i>  <i>Sections 5.5-5.6</i>	Mar 12, 2015  <i>Spring Break</i>	Mar 17, 2015  <i>Spring Break</i>	Mar 19, 2015  <i>Spring Break</i>
Mar 24, 2015 <i>Laplace Transform</i>  <i>Sections 6.1-6.2</i>	Mar 26, 2015 <i>Forcing Functions</i>  <i>Sections 6.3-6.4</i>	Mar 31, 2015 <i>Impulse Functions,</i> <i>Convolution Integral</i>  <i>Sections 6.5-6.6</i>	Apr 2, 2015  <i>Exam 3</i> <i>Series Solutions</i> <i>Laplace Transforms</i> <i>Sections 5.1-6.6</i>
Apr 7, 2015 <i>Eigenvalues</i> <i>Eigenvectors</i>  <i>Sections 7.1-7.2</i>	Apr 9, 2015 <i>Systems of</i> <i>First Order Linear Equations</i>  <i>Sections 7.3-7.4</i>	Apr 14, 2015 <i>Complex Eigenvalues</i>  <i>Sections 7.5-7.6</i>	Apr 16, 2015 <i>Repeated Eigenvalues</i>  <i>Sections 7.7-7.9</i>
Apr 21, 2015 <i>Euler's Method</i>  <i>Sections 8.1-8.2</i>	Apr 23, 2015 <i>Runge-Kutta Method</i> <i>Multistep Methods</i>  <i>Sections 8.3-8.4</i>	Apr 28, 2015  <i>course review</i>  <i>Sections 1.1-8.4</i>	<i>Text:</i> <i>Boyce, DiPrima</i> <i>"Elementary</i> <i>Differential Equations"</i> <i>Tenth Edition</i>
May 02 (Sat)  <i>Final Exam</i> <i>Math212, Sat, May 02, 9-11am</i>  <i>Sections 1.1-8.4</i>	  <i>Math 212</i> <i>Differential Equations</i> <i>TTh 11:00-12:15</i> <i>Parrish, Spring 2015</i>	  <i>Grading Scheme:</i> <i>exams</i> <i>homework</i> <i>final exam</i> <i>total:</i>	  <i>points</i> <i>60 points</i> <i>20 points</i> <i>20 points</i> <i>100 points</i>