

# Math 101 Calculus I

Jan 12, 2009 Text: <i>Stewart "Calculus: Concepts and Contexts" Third Edition</i>	Jan 14, 2009 <i>Function Representation; Mathematical Models Sections 1.1-1.2</i>	Jan 16, 2009 <i>New Functions from Old Functions; Graphing Sections 1.3-1.4</i>	Jan 19, 2009 <i>Exponential Functions and Logarithms; Parametric Curves Sections 1.5-1.7</i>	Jan 21, 2009 <i>Tangent and Velocity Problems Section 2.1</i>	Jan 23, 2009 <i>Limit of a Function Section 2.2</i>															
Jan 26, 2009 <i>Limit Laws, Continuity Sections 2.3-2.4</i>	Jan 28, 2009 <i>Limits Involving Infinity Section 2.5</i>	Jan 30, 2009 <i>Review for Exam 1 Sections 1.1-2.5</i>	Feb 2, 2009 <i>Exam 1 Functions and Limits Sections 1.1-2.5</i>	Feb 4, 2009 <i>Tangents and Velocities Section 2.6</i>	Feb 6, 2009 <i>Derivatives Section 2.7</i>															
Feb 9, 2009 <i>The Derivative as a Function Section 2.8</i>	Feb 11, 2009 <i>Using <math>f</math> to Study <math>f</math> Section 2.9</i>	Feb 13, 2009 <i>Derivatives of Polynomials and Exponentials Section 3.1</i>	Feb 16, 2009 <i>The Product and Quotient Rules Section 3.2</i>	Feb 18, 2009 <i>Rates of Change in the Sciences Section 3.3</i>	Feb 20, 2009 <i>Derivatives of Trigonometric Functions Section 3.4</i>															
Feb 23, 2009 <i>Chain Rule, Implicit Differentiation Sections 3.5-3.6</i>	Feb 25, 2009 <i>Derivatives of Logarithmic Functions Section 3.7</i>	Feb 27, 2009 <i>Review for Exam 2 Sections 2.6-3.7</i>	Mar 2, 2009 <i>Exam 2 Derivatives Mid-Semester Sections 2.6-3.7</i>	Mar 4, 2009 <i>Linear Approximations Section 3.8</i>	Mar 6, 2009 <i>Related Rates Section 4.1</i>															
Mar 9, 2009 <i>Maximum and Minimum Values Sections 4.2</i>	Mar 11, 2009 <i>The Shapes of Curves Section 4.3</i>	Mar 13, 2009 <i>Spring Break</i>	Mar 16, 2009 <i>Spring Break</i>	Mar 18, 2009 <i>Spring Break</i>	Mar 20, 2009 <i>Spring Break</i>															
Mar 23, 2009 <i>Graphing with Calculus Section 4.4</i>	Mar 25, 2009 <i>Indeterminate Forms and l'Hospital's Rule Section 4.5</i>	Mar 27, 2009 <i>Optimization Problems Section 4.6</i>	Mar 30, 2009 <i>Optimization Problems Section 4.6</i>	Apr 1, 2009 <i>Applications to Economics Section 4.7</i>	Apr 3, 2009 <i>Newton's Method Section 4.8</i>															
Apr 6, 2009 <i>Antiderivatives Section 4.9</i>	Apr 8, 2009 <i>Review for Exam 3 Sections 3.8-4.9</i>	Apr 10, 2009 <i>Exam 3 Applications Sections 3.8-4.9</i>	Apr 13, 2009 <i>Areas and Distances Section 5.1</i>	Apr 15, 2009 <i>The Definite Integral Section 5.2</i>	Apr 17, 2009 <i>Evaluating Definite Integrals Section 5.3</i>															
Apr 20, 2009 <i>The Fundamental Theorem of Calculus Section 5.4</i>	Apr 22, 2009 <i>Integration by Substitution Section 5.5</i>	Apr 24, 2009 <i>More about Areas Section 6.1</i>	Apr 27, 2009 <i>Volumes Section 6.2</i>	Apr 29, 2009 <i>Course Review</i>	Text: <i>Stewart "Calculus: Concepts and Contexts" Third Edition</i>															
<p>May 1 (Fri) and May 4 (Mon)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 20%; border: none;"><b>Final Exam</b></td> <td style="width: 40%; border: none;"><b>Math 101 Calculus I</b></td> <td style="width: 40%; border: none;"><b>Grading Scheme:</b></td> </tr> <tr> <td style="border: none;">Sec. B: Mon, 9-11 am</td> <td style="border: none;">MWF 10:00-10:50 (Section B)</td> <td style="border: none;">exams 60 points</td> </tr> <tr> <td style="border: none;">Sec. C: Fri, 2-4 pm</td> <td style="border: none;">MWF 11:00-11:50 (Section C)</td> <td style="border: none;">homework 20 points</td> </tr> <tr> <td style="border: none;">Sections 1.1-6.2</td> <td style="border: none;">Parrish, Spring 2009</td> <td style="border: none;">final exam 20 points</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;">total: 100 points</td> </tr> </table>						<b>Final Exam</b>	<b>Math 101 Calculus I</b>	<b>Grading Scheme:</b>	Sec. B: Mon, 9-11 am	MWF 10:00-10:50 (Section B)	exams 60 points	Sec. C: Fri, 2-4 pm	MWF 11:00-11:50 (Section C)	homework 20 points	Sections 1.1-6.2	Parrish, Spring 2009	final exam 20 points			total: 100 points
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