

Week-Day	Day #	Date	Book Ref	Topic	
<p style="text-align: center;">Week 1</p> <p>Chapter 1 is intended as review. Additional activities for Week 1 include:</p> <ol style="list-style-type: none"> 1. Diagnostic Tests - page xxxvi in text. See Diagnostic Tests on Course Website. 2. Homework, peer- and self-assessment. You should <i>know</i> how you're doing! 3. Red pens, paper; homework policy and philosophy. 4. Important Dates. 5. Website Resources: Diagnostic Tests A, B, Graphing Functions Worksheets, Graphing Calculator Worksheets, Lies my Calculator and Computer Told me. 					
M	1	1/10	Overview, 1.1	Get Acquainted Math Tuneup Materials on Course Website, (Diagnostic Test A) (Diagnostic Test B)	1
T	2	1/11	1.1, 1.2	1.1 I is due 1.1 I Peer-/Self-Assessment, Four ways to represent a function Mathematical Models (Graphing Functions Worksheet 1)	2
W	3	1/12	1.2	1.2 I is due 1.2 I Peer-/Self-Assessment, Mathematical models	3
R	4	1/13	1.3	1.2 II is due (optional) New functions from old functions (Graphing Functions Worksheet 2)	4
F	5	1/14	1.3, 1.4	1.3 I is due Graphing Calculators (Lies my Calculator and Computer Told me)	5
<p style="text-align: center;">Week 2</p> <p>Begin the calculus in earnest, with limits.</p>					
M		1/17		Dr. Martin Luther King, Jr. Observance	
T	6	1/18	2.1	Tangent and velocity problems Stewart's Calculus Online has a good animation to illustrate this.	6
W	7	1/19	2.2	The limit of a function	7
R	8	1/20	2.3	Calculating limits using limit laws	8
F	9	1/21	2.3	Calculating limits using limit laws	9
<p style="text-align: center;">Week 3</p> <p>Quick Algebra Review. You give me an epsilon and I'll find you a delta. Formal and informal understanding of the meaning of continuity. Final Preparations for Test 1.</p>					
M	10	1/24	Appendix A	Numbers, Inequalities and Absolute Value	10
T	11	1/25	2.4	The precise definition of a limit	11
W	12	1/26	2.4	The precise definition of a limit	12
R	13	1/27	2.5	Continuity	13
F	14	1/28	2.5	Continuity	14
<p style="text-align: center;">Week 4</p>					
M	15	1/31	Review		15
T	16	2/1	Test	Chapter 2 Test	16
W	17	2/2	3.1	Derivatives	17
R	18	2/3	3.1	Derivatives	18
F	19	2/4	3.2	The derivative as a function	19

Week 5					
M	20	2/7	3.3	Differentiation formulas	20
T	21	2/08	3.3	Differentiation formulas	21
W	22	2/09	3.4	Derivatives of trigonometric functions	22
R	23	2/10	3.5	The chain rule	23
F	24	2/11	3.5	The chain rule	24
Week 6					
M	25	2/14	3.6	Implicit differentiation	25
T	26	2/15	3.6	Implicit differentiation	26
W	27	2/16	3.7	Rates of change in the ... sciences	27
R	28	2/17	3.8	Related rates	28
F	29	2/18	3.8	Related rates	29
Week 7					
M	30	2/21	Appendix B	Coordinate Geometry and Lines	30
T	31	2/22	3.9	Linear approximations and differentials	31
W	32	2/23	Review		32
R	33	2/24	Ch 3 Test	Chapter 4 Test	33
F	34	2/25	4.1	Maximum and minimum values	34
Week 8					
M	35	2/28	4.1	Maximum and minimum values	35
T	36	3/1	4.2	The Mean-Value Theorem	36
W	37	3/2	4.2	The Mean-Value Theorem	37
R	38	3/3			
F	39	3/04	4.3	How derivatives affect the shape of a graph	39
Week 9					
M	40	3/7	4.3	How derivatives affect the shape of a graph	40
T	41	3/8	4.4	Limits at infinity, horizontal asymptotes	41
W	42	3/9	4.4	Limits at infinity, horizontal asymptotes	42
R	43	3/10	4.5	Summary of curve sketching	43
F	44	3/11	4.6	Graphing with calculus and calculators	44
Week Off!!!!					
M		3/14	Spring		
T		3/15	Break		
W		3/16			
R		3/17	No		
F		3/18	Classes		
Week 10					
M	45	3/21	4.7	Optimization problems	45
T	46	3/22	4.7	Optimization problems	46
W	47	3/23	4.8	Newton's method	47
R	48	3/24	4.8	Newton's method	48
F	49	3/25	4.9	Antiderivatives	49
Week 11					
M	50	3/28	4.9	Antiderivatives	50
T	51	3/29	Review		51
W	52	3/30	Ch 4 Test		52
R	53	3/31	5.1	Areas and distances	53
F	54	4/1	5.1	Areas and distances	54

Week 12					
M	55	4/4	5.2	The definite integral	55
T	56	4/5	5.2	The definite integral	56
W	57	4/6	5.3	The Fundamental Theorem of Calculus	57
R	58	4/7	5.3	The Fundamental Theorem of Calculus	58
F	59	4/8	5.4	Indefinite integrals & total change theorem	59
Week 13					
M	60	4/11	5.5	The substitution rule	60
T	61	4/12	5.5	The substitution rule	61
W	62	4/13	Review		62
R	63	4/14	Ch 5 Test		63
F	64	4/15	6.1	Areas between two curves	64
Week 14					
M	65	4/18	6.1	Areas between two curves	65
T	66	4/19	6.2	Volumes	66
W	67	4/20	6.2	Volumes	67
R	68	4/21	6.3	Volumes by cylindrical shells	68
F	69	4/22	6.3	Volumes by cylindrical shells	69
Week 15					
M	70	4/25	6.4	Work	70
T	71	4/26	6.4	Work	71
W	72	4/27	6.5	Average value of a function	72
R	73	4/28	Review	Review	73
F	74	4/29	Review	Review	74
Week 16					
M	No	5/2	Finals		No
T	Classes	5/3	Week		Classes
W	Final	5/4	No		Final
R	Exams	5/5	Classes		Exams