CALCULUS I
TENTATIVE HOMEWORK SCHEDULE
Stewart's Calculus Early Transcendentals 8E

Week	Topic	Section (pg)	Homework Assignment
1	Exponential Functions	1.4 (53)	4, 7, 15, 19, 23, 30 and 31
	Inverse Functions	1.5 (66)	5,7,9,15,21,23,25,31,35,37,41,51,53 63,67, and 69
	The Tangent and velocity Problem	2.1 (82)	1, 3, 5, 7
2	The Limit of a Function	2.2 (92)	1,5,7,9,11,17,23,31,33, 35 and 45
	Calculating Limits using Limit Laws	2.3 (102)	2,5,10,11,13,17,21,27,37,39,41,43,45, 47,51,53, and 59
	The Precise Definition of a Limit	2.4 (113)	1, 3, 5, 11, 19, 25, 29 and 31
3	Continuity	2.5 (125)	5,7,11,17,20,21,23,25,29,35,37,39,40, 41, 45, 47, and 55
	Limits at Infinity	2.6 (137)	3,5,7,9,15,17,19,21,23,25,29,33,35, 37 and 49 and 51
	Derivatives and Rates of Change	2.7 (148)	3, 5, 7, 9, 13, 15, 21, 27, 31, 33, 35
4	The Derivative of a Function	2.8 (160)	3,17,19,21,23,25,27,29,41,and 64
	Derivatives of Polynomials	3.1 (180)	Odd 3-37,55, and 57
5	**EXAM 1**	**HW Set 1 Due**	
	The Product and Quotient Rule	3.2 (188)	Odd 1-33, 41, 43, 45, 47, 51, 53
	Derivatives of Trigonometric Functions	3.3 (196)	Odd 1-17,25,31,33,39,41,43, 45,47, 49 and 51
6	The Chain Rule	3.4 (204)	Odd 1-53, 69, 71, 75
	Implicit Differentiation	3.5 (215)	Odd 5-19, 25, 27, 35, 37
	Derivatives of Logarithmic Functions	3.6 (223)	Odd 3-31, Odd 39-49
7	Exponential Growth and Decay	3.8 (242)	3, 9, 11, 15, 19
	Related Rates	3.9 (249)	1,3,5,9,13,14,15,17,Odd 21-31,41
	Linear Approximation	3.10 (256)	Odd 1-21, 25, 35, 37
8	Hyperbolic Functions	3.11 (264)	Odd 1-17, 23, 27, Odd 31-41, 49, 51
	EXAM 2	**HW Set 2 Due**	
9	Maximum and Minimum Values	4.1 (283)	Odd 3-63, 75
	The Mean value Theorem	4.2 (291)	Odd 1-11, 19, 23, 25, 27, 29, and 37
	How Derivatives Affect the Shape of Graphs	4.3 (300)	Odd 1,5,7,9,11,15,17,19,21, 23, 27,29 and Odd 37-59
10	Indeterminate Forms and l'Hopital's Rule	4.4 (311)	1 and 9-65 Odd and 70
	Summary of Curve Sketching	4.5 (321)	1,3,5,9,11,13,17,25,27
11	Optimization Problems	4.7 (336)	1,3,5,7,11,12,15,21,25,29,31,41,72
	Newton's Method	4.8 (348)	3, 5, 7, 11, 13, 15, 17, 23, and 35
12	Antiderivatives	4.9 (355)	Odd 1-51, Odd 59-65, and 69
	EXAM 3	**HW Set 3 Due**	
13	Areas and Distances	5.1 (375)	1, 3, 5, 13, 15, and 17
	The Definite Integral	5.2 (388)	1,3,5,9,17,19,23,27,35,37,39, 55, 57, and 65
14	The Fundamental theorem of Calculus	5.3 (399)	Odd 5-41, 57, 59, 61 and 63
	Indefinite Integrals and Net Change	5.4 (408)	Odd 1-43, 53, 59
	The Substitution Rule	5.5 (418)	Odd 1-49, Odd 51-73
15	Area between curves	6.1 (434)	Odd 1-17
16	**FINAL EXAM**	**FINAL HW Set 4 Due**	