

Math 1823-010 – Calculus I – Spring 2001
Discussion Sections Schedule and Written Homework Assignments

Class	Date	Topics	Homework Due
1	Jan 17-18	Functions	
2	Jan 24-25	Operations on Functions Tangent Lines	1.1 # 1,2,11-12,14-15,19-22,28,47-54 1.2 # 1-5
3	Jan 31-Feb 1	Calculating Limits Definition of Limit	1.3 # 1-2,9-18,28,35,37,39,41,54-55,57-58 2.1 # 1,4 2.2 # 6-8,13-14,19,21-28
4	Feb 7-8	Continuity Rates of Change	2.3 # 10-13,15,17,19,21,41,42 2.4 # 1-4,13,15-16,23-26
5	Feb 14-15	Derivative at a Point Derivative Function	2.5 # 3,5-6,34-36,40-41,43-46 2.6 # 3,5,8-9,11,20
6	Feb 21-22	Algebra of Derivatives	3.1 # 1-6,11-12,14-15,18 3.2 # 4-14,17,20,24,42-43
7	Feb 28-Mar 1	Derivatives of Trig Functions Chain Rule	3.3 # 6-14,19-20,24,29-31,33,36-38,41,49-50,55-60,63,69-70 3.4 # 3,10-13,15
8	Mar 7-8	Implicit Differentiation Higher Derivatives	3.5 # 7-12,15-19,36-40 3.6 # 9-16,23-24,28-32,37-39,53-57
9	Mar 14-15	Related Rates	3.7 # 14,16-19,21-22,28-29,36-37 3.8 # 8-9,17,24-25,33-39,53-58
10	Mar 28-29	Extreme Values Mean Value Theorem	3.9 # 5-7,10,12,17,21-23,32
11	Apr 4-5	Geometry of Derivatives	4.1 # 1,3-5,7-13,17-26,32-33,36-37,47-48,52-54 4.2 # 2-3,5-7,12-13,15-16
12	Apr 11-12	Asymptotic Behavior Graphing	4.3 # 1-2,5-6,8-9,12-13,21-23,25,27,29,32,37
13	Apr 18-19	Newton's Method review	4.4 # 3-4,12-13,17-18,20-21,25-27,39,41 4.5 # 4,11-12,17-22,33
14	Apr 25-26	Optimization	4.9 # 1-3,9,13,19-20,29-30
15	May 2-3	review	