

Math 1823-010 – Calculus I – Spring 2001

Lecture Schedule

Class	Date	Day	Topic	Homework
1	Jan 17	Wed	1.1 Functions	1.1 # 1,2,11-12,14-15,19-22,28,47-54
2	Jan 19	Fri	1.2 The Function Hall of Fame	1.2 # 1-5
3	Jan 22	Mon	1.3 Operations on Functions	1.3 # 1-2,9-18,28,35,37,39,41,54-55,57-58
4	Jan 24	Wed	2.1 The Tangent Line	2.1 # 1,4
5	Jan 26	Fri	2.2 Limits of Functions	2.2 # 6-8,13-14,19,21-28
6	Jan 29	Mon	continue	
7	Jan 31	Wed	2.3 Calculating Limits	2.3 # 10-13,15,17,19,21,41,42
8	Feb 2	Fri	2.4 The Definition of Limit	2.4 # 1-4,13,15-16,23-26
9	Feb 5	Mon	2.5 Continuity	2.5 # 3,5-6,34-36,40-41,43-46
10	Feb 7	Wed	2.6 Rates of Change	2.6 # 3,5,8-9,11,20
11	Feb 9	Fri	3.1 The Derivative at a Point	3.1 # 1-6,11-12,14-15,18
12	Feb 12	Mon	continue	
13	Feb 14	Wed	3.2 The Derivative Function	3.2 # 4-14,17,20,24,42-43
	Feb 16	Fri	Exam I	
14	Feb 19	Mon	3.3 The Algebra of Derivatives	3.3 # 6-14,19-20,24,29-31,33,36-38,41,49-50,55-60,63,69-70
15	Feb 21	Wed	continue	
16	Feb 23	Fri	3.4 Derivatives All Around Us	3.4 # 3,10-13,15
17	Feb 26	Mon	3.5 Derivatives of Trig Functions	3.5 # 7-12,15-19,36-40
18	Feb 28	Wed	3.6 The Chain Rule	3.6 # 9-16,23-24,28-32,37-39,53-57
19	Mar 2	Fri	continue	
20	Mar 5	Mon	3.7 Implicit Differentiation	3.7 # 14,16-19,21-22,28-29,36-37
21	Mar 7	Wed	3.8 Higher Derivatives	3.8 # 8-9,17,24-25,33-39,53-58
22	Mar 9	Fri	3.9 Related Rates	3.9 # 5-7,10,12,17,21-23,32
23	Mar 12	Mon	3.10 Linear Approximation	
24	Mar 14	Wed	continue related rates	
	Mar 16	Fri	Exam II	
	Mar 17- Mar 25		Spring Break	
25	Mar 26	Mon	4.1 Extreme Values	4.1 # 1,3-5,7-13,17-26,32-33,36-37,47-48,52-54
26	Mar 28	Wed	continue	
27	Mar 30	Fri	4.2 The Mean Value Theorem	4.2 # 2-3,5-7,12-13,15-16
	Mar 30	Fri	Last day to withdraw without permission of Dean	
28	Apr 2	Mon	continue	
29	Apr 4	Wed	4.3 The Geometry of Derivatives	4.3 # 1-2,5-6,8-9,12-13,21-23,25,27,29,32,37
30	Apr 6	Fri	continue	
31	Apr 9	Mon	4.4 Asymptotic Behavior	4.4 # 3-4,12-13,17-18,20-21,25-27,39,41
32	Apr 11	Wed	4.5 Graphing Functions	4.5 # 4,11-12,17-22,33
33	Apr 13	Fri	continue	
34	Apr 16	Mon	4.9 Newton's Method	4.9 # 1-3,9,13,19-20,29-30
35	Apr 18	Wed	continue	
	Apr 20	Fri	Exam III	
36	Apr 23	Mon	4.7 Optimization	4.7 # 7-11,16-18,24-27,29-31,35
37	Apr 25	Wed	continue	
38	Apr 27	Fri	4.10 Antiderivatives	4.10 # 1-3,9-12,15-19,22-23,28-29,31,38,41-43,55-56
39	Apr 30	Mon	continue	
40	May 2	Wed	review	
41	May 4	Fri	review	
	May 7	Mon	Final Exam (8:00-10:00 a. m.)	