

Math 2443-003 – Calculus IV – Fall 2000

Class	Date	Day	Topic	Homework
1	Aug 21	Mon	12.1 Functions of Several Variables	12.1 # 5,7-9,20-23,25,29-37,44,46-47,53-54,57-64
2	Aug 23	Wed	12.2 Limits and Continuity	12.2 # 3,7-10,17-18,23-25,31-34,39,47-49
3	Aug 25	Fri	continue	
4	Aug 28	Mon	12.3 Partial Derivatives	12.3 # 1-4,7-10,13-15,27-32,43-44,49-56,58,65,70, 72,75,76(a)-(d),85,89
5	Aug 30	Wed	continue	
6	Sep 1	Fri	12.4 Tangent Plane and Differentials	12.4 # 1,4-5,13,17,22,27,29,31,35
7	Sep 6	Wed	12.5 Chain Rule	12.5 # 3,5,7,9,13,15,17,19,33,35,38,46
8	Sep 8	Fri	12.6 Directional Derivatives	12.6 # 1,4-6,12-13,17-19,23-25,28,31-32,35-36,43-44
9	Sep 11	Mon	continue	
10	Sep 13	Wed	12.7 Maximum and Minimum Values	12.7 # 1,12-13,27,35,36,47,50
11	Sep 15*	Fri	12.8 Lagrange Multipliers	12.8 # 1,7,23,25,40
12	Sep 18	Mon	continue	
	Sep 20	Wed	Exam I	
13	Sep 22	Fri	13.1 Riemann Sums	
14	Sep 25	Mon	13.2 Iterated Integrals	13.2 # 3,5,10,17-20,24,29,31
15	Sep 27	Wed	13.3 Double Integrals	13.3 # 3,5,9,13,20-21,25,33,35,39,41,47-48
16	Sep 29	Fri	13.4 Polar Coordinates	13.4 # 1,3-5,9-10,15-17,22-26
17	Oct 2	Mon	continue	
18	Oct 4	Wed	13.5 Applications	13.5 # 1-3,5,7
19	Oct 9	Mon	13.6 Surface Area	13.6 # 1,3,7,9
20	Oct 11	Wed	13.7 Triple Integrals	13.7 # 2,5,7,11,15,17,25,27,33,41
21	Oct 13	Fri	continue	
22	Oct 16*	Mon	13.8 Cylindrical and Spherical Coords	13.8 # 1,3,5,9,11-12,15,17,19,33,35
23	Oct 18	Wed	13.9 The Jacobian	
24	Oct 20	Fri	continue	
	Oct 23	Mon	Exam II	
25	Oct 25	Wed	14.1 Vector Fields	14.1 # 1,5-8,11-14,17,20,23-24
26	Oct 27	Fri	14.2 Line Integrals	14.2 # 1,3,7,11,17,27,29-30,35,39-40
	Oct 27	Fri	Last day to withdraw without permission of Dean	
27	Oct 30	Mon	continue	
28	Nov 1	Wed	14.3 Fund Thm For Line Integrals	14.3 # 1,6,10-11,15,17,19,21,23,29-32
29	Nov 3	Fri	continue	
30	Nov 6	Mon	14.4 Green's Theorem	14.4 # 1,7,11-13,21-22
31	Nov 8	Wed	continue	
32	Nov 10	Fri	14.5 Curl and Divergence	14.5 # 1,3,13,16,19-20,23,25,28,31-32,35,37,39-40
33	Nov 13	Mon	continue	
34	Nov 15	Wed	14.6 Areas of Parametric Surfaces	14.6 # 1,5,9-12,15,17,19,20,25
35	Nov 17	Fri	14.7 Surface Integrals	14.7 # 3,7,9,13-15,17,21,31,35
36	Nov 20*	Mon	continue	
	Nov 22- Nov 26		Thanksgiving Break	
37	Nov 27	Mon	14.8 Stokes' Theorem	14.8 # 1,3,5,7-8,13,15
38	Nov 29	Wed	continue	
	Dec 1	Fri	Exam III	
39	Dec 4	Mon	14.9 Divergence Theorem	14.9 # 1,3,7,9,13
40	Dec 6	Wed	continue	
41	Dec 8	Fri	review	
	Dec 14	Thu	Final Exam (8:00-10:00 a. m.)	

* Homework notebooks due.

Version of September 24, 2000.