

**Math 2443-004 – Calculus IV – Spring 2000**

Class	Date	Day	Topic	Homework
1	Jan 10	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	Jan 12	Wed	12.2 Limits and Continuity	12.2 # 3,7-10,17-18,23-25,31-34,39,47-49
3	Jan 14	Fri	continue	
4	Jan 19	Wed	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	Jan 21	Fri	continue	
6	Jan 24	Mon	12.4 Tangent Plane and Differentials	12.4 # 1,4-5,13,17,22,27,29,31,35
7	Jan 26	Wed	12.5 Chain Rule	12.5 # 3,5,7,9,13,15,17,19,33,35,38,46
8	Jan 28	Fri	12.6 Directional Derivatives	12.6 # 1,4-6,12-13,17-19,23-25,28,31-32,35-36,43-44
9	Jan 31*	Mon	continue	
10	Feb 2	Wed	12.7 Maximum and Minimum Values	12.7 # 1,12-13,27,35,36,47,50
11	Feb 4	Fri	12.8 Lagrange Multipliers	12.8 # 1,13,20,25,40
12	Feb 7	Mon	continue	
	Feb 9	Wed	<b>Exam I</b>	
13	Feb 11	Fri	13.1 Riemann Sums 13.2 Iterated Integrals	13.2 # 3,5,10,17-20,24,29,31
14	Feb 14	Mon	continue	
15	Feb 16	Wed	13.3 Double Integrals	13.3 # 3,5,9,13,20-21,25,33,35,39,41,47-48
16	Feb 18	Fri	13.4 Polar Coordinates	13.4 # 1,3-5,9-10,15-17,22-26
17	Feb 21	Mon	continue	
18	Feb 23	Wed	13.5 Applications	13.5 # 1-3,5,7
19	Feb 25	Fri	13.6 Surface Area	13.6 # 1,3,7,9
20	Feb 28	Mon	13.7 Triple Integrals	13.7 # 2,5,7,11,15,17,25,27,33,41
21	Mar 1	Wed	continue	
22	Mar 3*	Fri	13.8 Cylindrical and Spherical Coords	13.8 # 1,3,5,9,11-12,15,17,19,33,35
23	Mar 6	Mon	13.9 The Jacobian	
24	Mar 8	Wed	continue	
	Mar 10	Fri	<b>Exam II</b>	
	Mar 11- Mar 19		Spring Break	
25	Mar 20	Mon	14.1 Vector Fields	14.1 # 1,5-8,11-14,17,20,23-24
26	Mar 22	Wed	14.2 Line Integrals	14.2 # 1,3,7,11,17,27,29-30,35,39-40
27	Mar 24	Fri	continue	
	Mar 24	Fri	<b>Last day to withdraw without permission of Dean</b>	
28	Mar 27	Mon	14.3 Fund Thm For Line Integrals	14.3 # 1,6,10-11,15,17,19,21,23,29-32
29	Mar 29	Wed	continue	
30	Mar 31	Fri	14.4 Green's Theorem	14.4 # 1,7,11-13,21-22
31	Apr 3	Mon	continue	
32	Apr 5	Wed	14.5 Curl and Divergence	14.5 # 1,3,13,16,19-20,23,25,28,31-32,35,37,39-40
33	Apr 7	Fri	continue	
34	Apr 10*	Mon	14.6 Areas of Parametric Surfaces	14.6 # 1,5,9-12,15,17,19,20,25
35	Apr 12	Wed	14.7 Surface Integrals	14.7 # 3,7,9,13-15,17,21,31,35
36	Apr 14	Fri	continue	
	Apr 17	Mon	<b>Exam III</b>	
37	Apr 19	Wed	14.8 Stokes' Theorem	14.8 # 1,3,5,7-8,13,15
38	Apr 21	Fri	continue	
39	Apr 24	Mon	14.9 Divergence Theorem	14.9 # 1,3,7,9,13
40	Apr 26	Wed	continue	
41	Apr 28	Fri	review	
	May 5	Fri	<b>Final Exam (4:30-6:30)</b>	

\* Homework notebooks due.

Version of November 26, 1999.