

Math 2433-007 – Calculus III – Fall 2002

Class	Date	Day	Topic	Homework
1	Aug 27	Tue	11.1 Parametric curves 11.2 Tangents and areas	11.1 # 7-11,15,18,20,35,36 11.2 # 9,10,19,20,27,31,33,35
2	Aug 29	Thu	11.3 Arclength and surface area	11.3 # 3,6,8,16,24,25,30
3	Sep 3	Tue	11.4 Polar coordinates	11.4 # 6-8,11,12,30-32,36,37,41-44,48,53,59,66,68
4	Sep 5	Thu	11.5 Areas, lengths in polar coords	11.5 # 7,12,21,28,32,39,40,47,50
5	Sep 10	Tue	12.1 Sequences	12.1 # 1,2,12,14,18,20,26,32,34,35,54-56,58
6	Sep 12	Thu	12.2 Series	12.2 # 1,2,9,10,14,20,28,33,42,44,46,50
7	Sep 17	Tue	continue	
	Sep 19*	Thu	Exam I	
8	Sep 24	Tue	12.3 Integral test	12.3 # 4,8,12,13,21,31
9	Sep 26	Thu	12.4 Comparison tests	12.4 # 1,2,6,11,12,18,21,29-31
10	Oct 1	Tue	12.5 Alternating series	12.5 # 1,4,11,16-18,24
11	Oct 3	Thu	12.6 Abs. conv. Ratio, root tests	12.6 # 1,4-6,8,19,22,24-26,35
12	Oct 8	Tue	continue	
13	Oct 10	Thu	12.8 Power series	12.8 # 1,2,6-8,13,18,20,25,27,29-30
14	Oct 15	Tue	12.9 Power series representations	12.9 # 3,6,8,14,17,20,26,27
15	Oct 17	Thu	12.10 Taylor's theorem	12.10 # 1,2,8,10,16,22-29,38,40,53,58
16	Oct 22	Tue	continue	
	Oct 24*	Thu	Exam II	
17	Oct 29	Tue	13.1 3-dimensional coordinates 13.2 Vectors	13.1 # 10,12,18,28,31,34 13.2 # 5,6,10,21,25
18	Oct 31	Thu	13.3 Dot product	13.3 # 1,2,11,12,19,20,30,31,43,44,55,56
	Nov 1	Fri	Last day to withdraw without permission of Dean	
19	Nov 5	Tue	13.4 Cross product	13.4 # 8-14,16,25
20	Nov 7	Thu	13.5 Lines and planes	13.5 # 1,2,5,7,10,13,14,22,24,27,37,41-43
21	Nov 12	Tue	13.6 Quadric surfaces	13.6 # 7,8,11-14,31,32,35
22	Nov 14	Thu	13.7 Spherical coordinates	13.7 # 13-16,19-21,31-43,59,60
23	Nov 19	Tue	continue	
	Nov 21*	Thu	Exam III	
	Nov 27- Dec 1		Thanksgiving Break	
24	Dec 3	Tue	14.1 Vector-valued functions 14.2 Vector calculus	14.1 # 7-12,14,16-18,20,21 14.2 # 1,3,7,8,12,15,20,21,24,37,39
25	Dec 5	Thu	14.3 Arclength and curvature	14.3 # 3,7,9,13,16,18,24,33,36
26	Dec 10	Tue	14.4 Velocity and acceleration	14.4 # 5,6,11,12,16,30,31
27	Dec 12	Thu	continue	
	Dec 17	Tue	Final Exam (1:30-3:30 p. m.)	

* Homework notebooks due.