

Math 2414 Lecture, Homework and Exams Schedule

Week Number	LECTURE AND READING MATERIAL	HOMEWORK
1		
8/28	Syllabus 2.1 Areas between Curves	HW1 due 9/25 by 11:59pm
8/30	2.2 Determining Volumes by Slicing	HW2 due 9/25 by 11:59pm
2		
9/4	2.3 Volumes of Revolution: Cylindrical Shells	HW3 due 9/25 by 11:59pm
9/6	2.4 Arc Length of a Curve and Surface Area	HW4 due 9/25 by 11:59pm
3		
9/11	2.5 Physical Applications	HW5 due 9/25 by 11:59pm
9/13	2.6 Moments and Centers of Mass	HW6 due 9/25 by 11:59pm
4		
9/18	3.1 Integration by Parts	HW7 due 9/25 by 11:59pm
9/20	Test 1 Review	
5		
9/25	Test 1 Covers Chapter 2 and Section 3.1 (Extra Credit for Test 1 is due this day at the beginning of class)	All homework for Test 1 are due on this day by 11:59pm

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Week Number	LECTURE AND READING MATERIAL	HOMEWORK
9/27	3.2 Trigonometric Integrals	HW8 due 10/25 by 11:59pm
6		
10/2	3.3 Trigonometric Substitution	HW9 due 10/25 by 11:59pm
10/4	3.4 Partial Fractions	HW10 due 10/25 by 11:59pm
7		
10/9	3.6 Numerical Integration	HW11 due 10/25 by 11:59pm
10/11	3.7 Improper Integrals	HW12 due 10/25 by 11:59pm
8		
10/16	5.1 Sequences 5.2 Infinite Series-Part 1	HW13 due 10/25 by 11:59pm
10/18	5.2 Infinite Series-Part 2 5.3 The Divergence and Integral Tests	HW14 and HW15 due 10/25 by 11:59pm
9		
10/23	5.4 Comparison Tests 5.5 Alternating Series-Part 1	HW16 due 10/25 by 11:59pm

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Week Number	LECTURE AND READING MATERIAL	HOMEWORK
10/25	5.5 Alternating Series-Part 2 Test 2 Review	HW17 due 11/29 by 11:59pm
10		
10/30	Test 2 Covers 3.2 through 3.7, 5.1 through 5.4 (Extra Credit for Test 2 is due this day at the beginning of class)	All homework for Test 2 are due on this day by 11:59pm
11/1	5.6 Ratio and Root Tests	HW18 due 11/29 by 11:59pm
11		
11/6	6.1 Power Series and Functions	HW19 due 11/29 by 11:59pm
11/8	6.2 Properties of Power Series	HW20 due 11/29 by 11:59pm
12		
11/13 LAST DAY TO W IS 11/12	6.3 Taylor and Maclaurin Series	HW21 due 11/29 by 11:59pm
11/15	6.4 Working with Taylor Series	HW22 due 11/29 by 11:59pm

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Week Number	LECTURE AND READING MATERIAL	HOMEWORK
13		
11/20	7.1 Parametric Equations 7.2 Calculus of Parametric Curves	HW23 and HW24 due 12/11 by 11:59pm
11/22	Thanksgiving Holiday – No Class	
14		
11/27	Test 3 Review	
11/29	Test 3 Covers 5.5, 5.6 and Chapter 6 (Extra Credit for Test 3 is due this day at the beginning of class)	All homework for Test 3 are due on this day by 11:59pm
15		
12/4	7.3 Polar Coordinates 7.4 Area and Arc Length in Polar Coordinates	HW25 and HW26 due 12/11 by 11:59pm
12/6	Final Exam Review	
16		
<p style="text-align: center;"> The final exam is on Tuesday, December 11th from 8 to 9:50pm. The final exam is COMPREHENSIVE. Extra Credit for the final is due this day at the beginning of class. Homework 23, 24, 25, and 26 are due this day by 11:59pm. </p>		