

## TENTATIVE MATH 2414.P06 COURSE CALENDAR:

	DATE	MATERIAL TO COVER	COMMENTS/DUE DATES
1	January 21	Introductions, Syllabus, Enhanced WebAssign Accounts; Review of U-substitution (section 5.5); 6.1 Areas Between Curves	WELCOME! ☺
	January 23	6.1 Areas Between Curves; 6.2 Volumes; 6.3 Volumes by Cylindrical Shells	HW 5.5 Review is due; Lab 1 Part 1
2	January 28	6.4 Work	HW 6.1 & 6.2 due;
	January 30	6.5 Average Value of a Function; 7.1 Integration by Parts	HW 6.3 is due Census day – February 3
3	February 4	7.2 Trigonometric Integrals; 7.3 Trigonometric Substitution	HW 6.4 & 6.5 are due; Lab 1 Part 2
	February 6	7.3 Trigonometric Substitution; <i>Review for Test 1/ Lab 1 Part 3</i>	HW 7.1 is due; LAB 1 is due
4	February 11	<i>Review for Test 1; Test 1 in class</i> ; 7.4 Integration of Rational Functions by Partial Fractions	HW 7.2 & 7.3 are due
	February 13	7.4 Integration of Rational Functions by Partial Fractions; 7.5 Strategy for Integration	
5	February 18	7.5 Strategy for Integration; 7.6 Integration Using Tables; 7.7 Approximate Integration	HW 7.4 is due
	February 20	7.8 Improper Integrals; 8.1 Arc Length	HW 7.5 & 7.6 are due; Lab 2
6	February 25	8.2 Area of a Surface of Revolution; 8.3 Applications to Physics and Engineering	HW 7.7 & 7.8 due
	February 27	<i>Review for Test 2/ Lab 2</i>	HW 8.1 & 8.2 are due; LAB 2 is due
7	March 3	<i>Review for Test 2/ Test 2 in class</i> ; 10.1 Curves defined by Parametric Equations	HW 8.3 is due
	March 5	10.2 Calculus with Parametric Equations; 10.3 Polar Coordinates	
8	March 17	10.4 Areas and Lengths in Polar Coordinates; 11.1 Sequences	HW 10.1 & 10.2 are due
	March 19	11.2 Series; 11.3 The Integral Test and Estimates of Sums	HW 10.3 & 10.4 are due; Last day to withdraw – March 20
9	March 24	11.3 The Integral Test and Estimates of Sums; 11.4 The Comparison Tests	HW 11.1 & 11.2 are due
	March 26	11.5 Alternating Series; 11.6 Absolute Convergence and the Ratio and Root Tests	HW 11.3 is due
10	March 31	11.7 Strategy for Testing Series; <i>Review for Test 3/ Lab 3</i>	HW 11.4, 11.5 & Remainders are due; LAB 3 is due

	<b>April 2</b>	<i>Review for Test 3/ Test 3 in class</i>	<b>HW 11.6 &amp;11.7 are due</b>
<b>11</b>	<b>April 7</b>	11.8 Power Series; 11.9 Representations of Functions as Power Series	
	<b>April 9</b>	11.9 Representations of Functions as Power Series; 11.10 Taylor and Maclaurin Series	<b>HW 11.8 is due</b>
<b>12</b>	<b>April 14</b>	11.10 Taylor and Maclaurin Series ; 11.11 Applications of Taylor Polynomials	<b>HW 11.9 is due</b>
	<b>April 16</b>	9.1 Modeling with Differential Equations; 9.2 Direction Fields and Euler's Method	<b>HW 11.10 &amp; 11.11 are due</b>
<b>13</b>	<b>April 21</b>	9.3 Separable Equations; 9.4 Models for Population Growth	<b>HW 9.1 &amp; 9.2 are due</b>
	<b>April 23</b>	9.4 Models for Population; 9.5 Linear Equations	<b>HW 9.3 is due</b>
<b>14</b>	<b>April 28</b>	9.5 Linear Equations	<b>HW 9.4 is due</b>
	<b>April 30</b>	<i>Review for Test 4/ Lab 4</i>	<b>HW 9.5 is due; LAB 4 is due</b>
<b>15</b>	<b>May 5</b>	<i>Review for Test 4/Test 4 in class</i>	
	<b>May 7</b>	<i>Review for Final Exam</i>	
<b>16</b>	<b>May 12</b>	<b>Final Exam 10:00 am – 12:00 pm (room LH 140)</b>	

**Note:** The instructor reserves the right to make changes to this syllabus during the semester. Changes will be provided in writing during class hours.