

MATH 2413H – COURSE CALENDAR

Week Number	LECTURE AND READING MATERIAL	HOMEWORK
1		
1/17	No Class. Campus is closed due to weather.	
2		
1/22	<ul style="list-style-type: none"> Syllabus 2.1 A Preview of Calculus 2.2 The Limit of a Function-Part 1 	HW1 due 2/19 by 11:59pm
1/24	<ul style="list-style-type: none"> 2.2 The Limit of a Function-Part 2 2.3 The Limit Laws 	HW2 and HW3 due 2/19 by 11:59pm
3		
1/29	<ul style="list-style-type: none"> 2.4 Continuity Mini project 1 discussion 	HW4 due 2/19 by 11:59pm
1/31	<ul style="list-style-type: none"> 3.1 Defining the Derivative 3.2 The Derivative as a Function Mini project 1 discussion 	HW5 and HW6 due 2/19 by 11:59pm
4		
2/5	<ul style="list-style-type: none"> 3.3 Differentiation Rules 3.4 Derivatives as Rates of Change Mini project 1 discussion 	HW7 and HW8 due 2/19 by 11:59pm

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2/7	<ul style="list-style-type: none"> 3.5 Derivatives of Trigonometric Functions 3.6 The Chain Rule-Part 1 Mini project 1 is due in class 	HW9 due 2/19 by 11:59pm
5		
2/12	<ul style="list-style-type: none"> 3.6 The Chain Rule-Part 2 3.7 Derivatives of Inverse Functions-Part 1 	HW10 due 2/19 by 11:59pm
2/14	<ul style="list-style-type: none"> 3.7 Derivatives of Inverse Functions-Part 2 Test 1 Review 	HW11 due 2/19 by 11:59pm
6		
2/19	Test 1 covers Chapter 2 and Chapter 3 up to section 3.7	All homework for Test 1 are due on this day by 11:59pm
2/21	<ul style="list-style-type: none"> 3.8 Implicit Differentiation 3.9 Derivatives of Exponential and Logarithmic Functions-Part 1 	HW12 due 3/26 by 11:59pm
7		
2/26	<ul style="list-style-type: none"> 3.9 Derivatives of Exponential and Logarithmic Functions-Part 2 4.1 Related Rates-Part 1 	HW13 due 3/26 by 11:59pm

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2/28	<ul style="list-style-type: none"> • 4.1 Related Rates-Part 2 • 4.2 Linear Approximations and Differentials • Mini project 2 discussion 	HW14 and HW15 due 3/26 by 11:59pm
8		
3/5	<ul style="list-style-type: none"> • 4.3 Maxima and Minima • Mini project 2 discussion 	HW16 due 3/26 by 11:59pm
3/7	<ul style="list-style-type: none"> • 4.4 The Mean Value Theorem • Mini project 2 is due in class 	HW17 due 3/26 by 11:59pm
9		
Spring Break (Offices Closed): March 12-18		
10		
3/19	<ul style="list-style-type: none"> • 4.5 Derivatives and the Shape of a Graph • 4.6 Limits at Infinity and Asymptotes-Part 1 • First draft of proposal for final presentation is due 	HW18 due 3/26 by 11:59pm
3/21	<ul style="list-style-type: none"> • 4.6 Limits at Infinity and Asymptotes-Part 2 • Test 2 Review 	HW19 due 3/26 by 11:59pm
11		

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3/26	Test 2 Covers 3.8, 3.9 and chapter 4 up to 4.6	All homework for Test 2 are due on this day by 11:59pm
3/28	<ul style="list-style-type: none"> 4.7 Applied Optimization Problems Mini project 3 discussion 	HW20 due 4/23 by 11:59pm
12		
4/2	<ul style="list-style-type: none"> 4.8 L'Hôpital's Rule Final draft of proposal for final presentation is due 	HW21 due 4/23 by 11:59pm
4/4	<ul style="list-style-type: none"> 4.9 Newton's Method 4.10 Antiderivatives Mini project 3 discussion 	HW22 and HW23 due 4/23 by 11:59pm
<p>Last day to drop and receive a "W" for 16-week Courses: Friday, April 6th</p>		
13		
4/9	<ul style="list-style-type: none"> 5.1 Approximating Areas 5.2 The Definite Integral-Part 1 	HW24 due 4/23 by 11:59pm

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Week Number	LECTURE AND READING MATERIAL	HOMEWORK
4/11	<ul style="list-style-type: none"> • 5.2 The Definite Integral-Part 2 • 5.3 The Fundamental Theorem of Calculus-Part 1 • Mini project 3 is due in class 	HW25 due 4/23 by 11:59pm
14		
4/16	<ul style="list-style-type: none"> • 5.3 The Fundamental Theorem of Calculus-Part 2 • 5.5 Substitution-Part 1 	HW26 due 4/23 by 11:59pm
4/18	<ul style="list-style-type: none"> • 5.5 Substitution-Part 2 • Test 3 Review 	HW27 due 5/7 by 11:59pm
15		
4/23	Test 3 Covers sections 4.7 through 4.10 and Chapter 5 up to 5.3	All homework for Test 3 are due on this day by 11:59pm
4/25	<ul style="list-style-type: none"> • 5.6 Integrals Involving Exponential and Logarithmic Functions • 5.7 Integrals Resulting in Inverse Trigonometric Functions-Part 1 	HW28 due 5/7 by 11:59pm
16		
4/30	<ul style="list-style-type: none"> • 5.7 Integrals Resulting in Inverse Trigonometric Functions-Part 2 • 6.1 Areas between Curves 	HW29 and HW30 due 5/7 by 11:59pm

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Week Number	LECTURE AND READING MATERIAL	HOMEWORK
5/2	<ul style="list-style-type: none"> Final Project Presentations 	
17		
<p>The final exam is on Monday, May 7th from 8 to 9:50am. The final exam is COMPREHENSIVE. HW27, 28, 29 and 30 are due on this day by 11:59pm</p>		

We will try to follow this schedule very closely. However, at times the course structure may need to be adjusted to provide for a better learning environment. Thus I reserve the right to make changes to the syllabus and this schedule. All changes will be announced in class.