

Day & Date	Text Page	Course Content
1/21 & 22 & 23	pg. 1, 18	An Introduction to Limits (1.1) & Finding Limits Analytically (1.3)
Fri, 1/24		Letter & Quiz 1 (Quiz 1 may be retaken until Friday 2/7/25 at 11:59 pm)
Jan 27 & 28	pg. 30, 37	One-Sided Limits and Continuity (1.4-1.5)
Jan 29, 30	pg. 46	Limits Involving Infinity (1.6)
Fri, Jan 31		TEST 1 (10% of course grade) on 1.1, 1.3, 1.4, 1.5, 1.6
Feb 3,4	pg. 59	Instantaneous Rates of Change and Interpretations of the Derivative (2.1-2.2)
Feb 5,6	pg. 82	Basic Differentiation Rules (2.3)
Fri, Feb 7		Q2 - limits, basic derivatives
Feb 10 & 11	pg. 89	The Product and Quotient Rules (2.4)
Feb 12 & 13 & 18	pg. 100	The Chain Rule (2.5)
Feb 14		Q3 - product, quotient, chain rules
<b>Feb 17</b>		<b>No School</b>
Feb 18	pg. 100	The Chain Rule (2.5)
Feb 19 & 20		Presentations
Feb 21		TEST 2 (10% of course grade) on Ch 2.1, 2.2, 2.3, 2.4 -- about 40 minutes
Feb 24 & 25	pg. 111	Implicit Differentiation (2.6)
Feb 26 & 27	pg. 174	Related Rates (4.2)
Fri, Feb 28		Q4 - implicit differentiation, related rates
March 3 & 4	pg. 122	Derivatives of Inverse Functions (2.7)
March 5 & 6	pg. 129, 137	Extreme Values and the Mean-Value Theorem (3.1-3.2)
<b>Fri, March 7</b>		<b>no quiz/test</b>
<b>March 10-14</b>		<b>No School</b>
March 17 & 18	pg. 142, 151	Increasing and Decreasing Functions, Concavity and the Second Derivative (3.3-3.4)
March 19 & 20	pg. 159	Curve Sketching (3.5)

[MyOpenMath.com](https://www.khanacademy.org/math/multivariable-calculus)

**BLUE, MAT-131-10: Analytic Geom & Calculus I**  
 course ID: 253447  
 enrollment key: blue.sp25

**PURPLE, MAT-131-11: Analytic Geom & Calculus I**  
 course ID: 253448  
 enrollment key: purple.sp25

March 19 & 20	pg. 159	Curve Sketching (3.5)
Fri, March 21		Q5 - derivatives of inverse functions, function emojis, curve sketching
March 24 & 25	pg. 181, 188	Optimization and Differentials (4.3-4.4)
March 26 & 27		Presentations
Fri, March 28		TEST 3 (20% of course grade) on Sections 2.5-2.7, Chapters 1-4 - 2 hours
March 31 & April 1	pg. 181, 188	Optimization and Differentials (4.3-4.4)
April 2 & 3	pg. 197	Antiderivatives and the Indefinite Integral (5.1)
Fri, April 4		Q6 - differentials, definite integrals
April 7 & 8	pg. 218	Riemann Sums (5.3)
April 9 & 10		Definite Integrals (5.2)
Fri, April 11		Q7 - Riemann sums, indefinite integrals
April 14 & 15	pg. 236	The Fundamental Theorem of Calculus (5.4)
April 16 & 17	pg. 263	Substitution (6.1)
<b>Fri, April 18</b>	<b>No School</b>	<b>Q8 - FTC I &amp; II, substitution (Due 4/19) !!!!!</b>
April 21 & 22	pg. 354	Area Between Curves (7.1)
April 23 & 24		Presentations & Test 4 "Review Problems"
Fri, April 25		TEST 4 (20% of course grade) on Chapter 1-5, Section 6.1 - 2 hours
April 28 - 30, May 1		Review of Grades and Prognosis for Grade in Course & Presentations
Fri, May 2		<b>no quiz/test</b>
May 5		open
May 6 & 7		<b>In Class Final Exam</b>

Spring 2025 © A<sup>2</sup> Azzolino, [mathnstuff.com/math/math.htm](https://mathnstuff.com/math/math.htm)

BLUE, Calc MAT131-10 M/W 10:00 - 11:50 AM

<https://middlesexcollege-edu.zoom.us/j/91370684093>

YELLOW, Statistics I MAT123-IN11 GREEN, Statistics I MAT123-IN12

Internet M/T/W/Th/F PURPLE, Calc MAT131-11

Office by appointment only M/W 1 - 3:30 PM

<https://middlesexcollege-edu.zoom.us/j/96776417299>