MATH 251 Calculus I

Course Schedule, Fall 2026

Dr. Shalmali Bandyopadhyay University of Tennessee at Martin

Sections 002 (MTWF 10:00–10:50 AM, LS 200) and 004 (MTWF 2:00–2:50 PM, HU 304). Weekly quizzes open Friday at 12:00 AM and close Saturday at 11:59 PM.

Day	Date	Topic	Due
Module I: Exam 1			
1	Mon Aug 24	Introduction to Limits	
2	Tue Aug 25	Infinite Limits, One-Sided Limits, Existence	
3	Wed Aug 26	Limits by Direct Substitution and Factorization	
4	Fri Aug 28	Limits by Conjugates and the Squeeze Theorem	Quiz 1, Sat Aug 29
5	Mon Aug 31	Piecewise Limits; Definition of Continuity	
6	Tue Sep 1	Continuity of Polynomial, Trig, and Rational Functions; Types of Discontinuity	
7	Wed Sep 2	Continuity of Composite Functions; Intermediate Value Theorem	
8	Fri Sep 4	Epsilon-Delta Definition of Limit	Quiz 2, Sat Sep 5
9	Mon Sep 7	Labor Day, No Class	
10	Tue Sep 8	**EXAM 1**	
Module II: Exam 2			
11	Wed Sep 9	The Definition of the Derivative	
12	Fri Sep 11	The Derivative as a Function; Differentiability	Quiz 3, Sat Sep 12
13	Mon Sep 14	Differentiation Rules; Trigonometric Derivatives	
14	Tue Sep 15	Product Rule and Quotient Rule	
15	Wed Sep 16	The Chain Rule	
16	Fri Sep 18	Combining Differentiation Rules	Quiz 4, Sat Sep 19
17	Mon Sep 21	Derivatives of Inverse Functions	
18	Tue Sep 22	**EXAM 2**	
Module III: Exam 3			
19	Wed Sep 23	Implicit Differentiation	
20	Fri Sep 25	Derivatives of Exponential and Logarithmic Functions	Quiz 5, Sat Sep 26
21	Mon Sep 28	Logarithmic Differentiation	Reflection Quiz 1
22	Tue Sep 29	Related Rates	
23	Wed Sep 30	Word Problems on Related Rates	
24	Fri Oct 2	Linear Approximations and Differentials	Quiz 6, Sat Oct 3
25	Mon Oct 5	Critical Points, Finding and Categorizing	

Day	Date	Topic	Due
26	Tue Oct 6	**EXAM 3**	
Module IV: Exam 4			
27	Wed Oct 7	Local Extrema, First and Second Derivative Tests	
28	Fri Oct 9	Extreme Value Theorem, Absolute Max and Min	Quiz 7, Sat Oct 10
29	Mon Oct 12	Fall Break, No Class	
30	Tue Oct 13	Fall Break, No Class	
31	Wed Oct 14	Graphing: Reading f' to Sketch f, and f to Sketch f'	
32	Fri Oct 16	Concavity, Inflection Points, Reading f'' Graphs	
33	Mon Oct 19	SLO 1 Quiz	
34	Tue Oct 20	Limits at Infinity and Asymptotes	
35	Wed Oct 21	Asymptotes Using Derivatives	
36	Fri Oct 23	Curve Sketching	Quiz 8, Sat Oct 24
37	Mon Oct 26	L'Hôpital's Rule	Reflection Quiz 2
38	Tue Oct 27	**EXAM 4**	
Module V: Exam 5			
39	Wed Oct 28	Applied Optimization	
40	Fri Oct 30	Applied Optimization, Level II	Quiz 9, Sat Oct 31
41	Mon Nov 2	SLO 3 Quiz	
42	Tue Nov 3	Newton's Method	
43	Wed Nov 4	Antiderivatives	
44	Fri Nov 6	Approximating Areas, Left and Right Sums	Quiz 10, Sat Nov 7
45	Mon Nov 9	Approximating Areas, Midpoint and Trapezoidal Sums	
46	Tue Nov 10	**EXAM 5**	
Module VI: Exam 6			
47	Wed Nov 11	SLO 2 Quiz	
48	Fri Nov 13	Introduction to Definite Integrals	Quiz 11, Sat Nov 14
49	Mon Nov 16	Comparison Principle and Average Value	
50	Tue Nov 17	Fundamental Theorem of Calculus, Part I; MVT for Integrals	
51	Wed Nov 18	Fundamental Theorem of Calculus, Part II	
52	Fri Nov 20	Net Change Theorem	Quiz 12, Sat Nov 21
53	Mon Nov 23	Integrating Even and Odd Functions	
54	Tue Nov 24	**EXAM 6**	
Module VII: Final Exam			
55	Wed Nov 25	Thanksgiving Break, No Class	
56	Fri Nov 27	Thanksgiving Break, No Class	
57	Mon Nov 30	Method of Substitution, Basics	Reflection Quiz 3

Day	Date	Topic	Due
58	Tue Dec 1	Substitution with Definite Integrals	
59	Wed Dec 2	Substitution Using Special Functions	
60	Fri Dec 4	Final Exam Review	Quiz 13, closes Sat Dec 5
–	Mon Dec 7	**FINAL EXAM**, 5:15–7:15 PM	