

201 Class Schedule

Text: Stewart *Calculus Early Transcendentals*, 9th ed. (or 8th ed.), Cengage.

Class	Material	Sections
1	Functions, Tangent and Velocity	1.1, 1.3, 1.4, 1.5, 2.1
2	Tangent and Velocity Problems, The Limit of a Function	2.1, 2.2
3	Calculating Limits, Continuity	2.3, 2.5
4	Limits Involving Infinity	2.6
5	The Derivative as a Function	2.8
6	Derivatives of Polynomials and Exponentials	3.1
7	The Product and Quotient Rules	3.2
8	Midterm 1	
9	Derivatives of Trig Functions	3.3
10	The Chain Rule	3.4
11	Implicit Differentiation	3.5
12	Derivatives of Logs and Inverse Trig	3.6
13	Rates of Change, Related Rates	3.7, 3.9
14	Linear Approximation and Differentials	3.10
15	Maximum and Minimum Values, Mean Value Theorem	4.1, 4.2
16	Midterm 2	
17	Derivatives and Shapes of Graphs	4.3
18	Indeterminate Forms, L'Hospital's Rule	4.4
19	Summary of Curve Sketching	4.5
20	Optimization	4.7
21	Antiderivatives	4.9
22	Areas and Distances, The Definite Integral	5.1, 5.2
23	Fundamental Theorem of Calculus, Sigma Notation	5.3, Appendix E
24	Midterm 3	
25	Indefinite Integrals and Net Change	5.4
26	The Substitution Rule	5.5
27	Areas Between Curves	6.1
28	Final Exam Review	