201 Class Schedule

Text: Stewart *Calculus Early Transcendentals, 9th 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	Derivatives of Trig Functions	3.3
9	The Chain Rule	3.4
10	**Midterm 1** Tuesday 17 June	
11	Implicit Differentiation	3.5
	No Class Thursday 19 June	
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	Derivatives and Shapes of Graphs	4.3
17	**Midterm 2** Tuesday 1 July	
18	Indeterminate Forms, L'Hospital's Rule	4.4
19	Summary of Curve Sketching	4.5
20	Optimization	4.7
	No Class Tuesday 8 July	
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** Tuesday 16 July	
25	Indefinite Integrals and Net Change	5.4
26	The Substitution Rule	5.5
27	Areas Between Curves	6.1
28	Final Exam Review	
	Final Exam Wednesday 23 July	