212 Class Schedule

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

Class	Material	Sections
1	Exponential, Log, and Hyperbolic Functions, Definite Integral	3.5, 3.6, 3.11, 5.3
2	Indefinite Integrals and Net Change	5.4
3	The Substitution Rule	5.5
4	Integration by Parts	7.1
5	Trig Integrals	7.2
6	Trig Substitution	7.3
7	Rational Functions and Partial Fractions	7.4
8	**Midterm 1**	
9	Strategies and Approximate Integrals	7.5, 7.7
10	Improper Integrals	7.8
11	Sequences	11.1
12	Series	11.2
13	Integral Test	11.3
14	Comparison Test	11.4
15	Alternating Series, Absolute Convergence	11.5
16	Ratio and Root Tests	11.6
17	**Midterm 2**	
18	Strategies for Testing Series, Power Series	11.7, 11.8
19	Representing Functions as Power Series	11.9
20	Taylor and Maclaurin Series	11.10
21	Taylor and Maclaurin Series (part 2), Log	11.10, Appendix G
22	Seperable Differential Equations	9.3
23	Polar Coordinates	10.3
24	Areas and Lengths in Polar Coordinates	10.4
25	**Midterm 3**	
26	Conic Sections	10.5
27	Three-Dimensional Coordinate Systems	12.1
28	Cylinders and Quadratic Surfaces	12.6