212 Class Schedule

Text: Stewart *Calculus Early Transcendentals, 9th ed., Cengage.*

Class	Material	Sections
1	Hyperbolic Functions, Review: Fundamental Theorem of Calc	3.11, 5.3
2	Review: Integration, Rate of Change	5.4
3	Review: 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	Strategies and Approximate Integrals	7.5, 7.7
9	Improper Integrals	7.8
10	**Midterm 1** Tuesday 17 June	
11	Sequences	11.1
	No Class Thursday 19 June	
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** Tuesday 1 July	
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
	No Class Tuesday 8 July	
21	Taylor and Maclaurin Series (part 2), Log	11.10, Appendix G
22	Seperable Differential Equations	9.3
23	Polar Coordinates	10.3
24	**Midterm 3** Tuesday 16 July	
25	Areas and Lengths in Polar Coordinates	10.4
26	Conic Sections, Three-Dimensional Coordinate Systems	10.5 12.1
27	Cylinders and Quadratic Surfaces	12.6
28	Final Exam Review	
	Final Exam Wednesday 23 July	