

152 COURSE SCHEDULE

Week	2016	Stewart Sections	Topics
1	1/18	6.4–6.5, 7.1	Fund. Theorem of Calculus, Integration by Substitution, Area
2	1/25	7.1–7.2	Area, Volumes by Slicing, Disks, Washers
3	2/1	7.3–7.4	Volume by Cylindrical Shells, Work
4	2/8	7.5, 8.1–8.2	Average Value, Integration by Parts, Trigonometric Integrals
5	2/15	8.3–8.4, Exam 1	Trigonometric Substitution, Partial Fractions.
6	2/22	8.9, 9.3–9.4	Improper Integrals, Arc Length, Surface Area of Revolution
7	2/29	10.1–10.2	Sequences, Series
8	3/7	10.2–10.3	Series, Convergence Tests
	3/14		Spring Break
9	3/21	10.4, Exam 2	Absolute Convergence, Convergence Tests
10	3/28	10.5–10.6	Power Series, Representing Functions as Power Series
11	4/4	10.7, 10.9	Taylor and Maclaurin Series, Applications of Taylor Series
12	4/11	11.1–11.2	3D Coordinates, Vectors, Dot Product
13	4/18	11.3–11.4	Cross Product, Polar Coordinates
14	4/25	Review, Exam 3	
15	5/10		Final Exam