Sections covered from
Stewart’s *Calculus: Early Transcendentals (7e)*
in Math 231 - Spring 2015

Chapter 7: Techniques of Integration
7.1 Integration by Parts
7.2 Trig. Integrals
7.3 Trig. Sub.
7.4 Integration by PFD
7.5 Strategy for Integration
7.7 Numerical Integration
7.8 Improper Integrals

Chapter 8: Further Applications of Integration
8.1 Arc Length
8.2 Surface Area

Chapter 11: Infinite Sequences and Series
11.1 Sequences
11.2 Series
11.3 The Integral Test and Estimates of Sums
11.4 The Comparison Tests
11.5 Alternating Series
11.6 Absolute Convergence and the Root & Ratio Tests
11.7 Strategy for Testing Series
11.8 Power Series
11.9 Representations of Functions as Power Series
11.10 Taylor and Maclaurin Series
11.11 Applications of Taylor Polynomials
Chapter 10: Parametric Equations and Polar Coordinates

10.1 Parametric Equations

10.2 Calculus with Parametric Curves

10.3 Polar Coordinates

10.4 Calculus with Polar Curves