Week 1, Mar 30–Apr 3:
§12.1: 3D Coordinate Systems
§12.2: Vectors
§12.3: The Dot Product

Week 2, Apr 6–Apr 10:
§12.4: The Cross Product
§12.5: Equations of Lines and Planes
§12.6: Cylinders and Quadric Surfaces

Week 3, Apr 13–Apr 17:
§13.1: Vector Functions and Space Curves
§13.2: Derivatives and Integrals of Vector Functions
§13.3: Polar Coordinates

Week 4, Apr 20–Apr 24:
§13.3: Arc Length and Curvature

April 23, Midterm #1

Week 5, Apr 27–May 1:
§13.4: Velocity and Acceleration
§14.1: Functions of Several Variables
§14.3: Partial Derivatives
§14.4: Tangent Planes and Linear Approximations

Week 6, May 4–May 8:
§14.7: Maximum and Minimum Values
§15.1: Double Integrals over Rectangles
§15.2: Iterated Integrals

Week 7, May 11–May 15:
§15.3: Double Integrals over General Regions
§15.4: Double integrals in Polar Coordinates
§15.5: Applications of Double Integrals

Week 8, May 18–May 22:
May 19, Midterm #2
Taylor Notes §1: Tangent Line Error Bound
Taylor Notes §2: Quadratic Approximation
Taylor Notes §3: Higher Order Approximation and Taylor’s Inequality

Week 9, May 25–May 29:
Taylor Notes §4: Taylor Series
Taylor Notes §5: Operations with Taylor Series

Week 10, June 1–June 5:
Review

June 6, Final Exam