

MATH 126-E & 126-F Calendar, Spring 2016

◆ Week 1, Mar 28 – Apr 1:

§12.1: 3D Coordinate Systems

§12.2: Vectors

§12.3: The Dot Product

Week 2, Apr 4 – Apr 8:

§12.4: The Cross Product

§12.5: Equations of Lines and Planes

§12.6: Cylinders and Quadric Surfaces

◆ Week 3, Apr 11 – Apr 15:

§13.1: Vector Functions and Space Curves

§13.2: Derivatives and Integrals of Vector Functions

§10.3: Polar Coordinates

Week 4, Apr 18 – Apr 22:

§13.3: Arc Length and Curvature

April 21, Midterm #1

● Week 5, Apr 25 – Apr 29:

§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 2 – May 6:

§14.7: Maximum and Minimum Values

§15.1: Double Integrals over Rectangles

§15.2: Iterated Integrals

● Week 7, May 9 – May 13:

§15.3: Double Integrals over General Regions

§15.4: Double integrals in Polar Coordinates

§15.5: Applications of Double Integrals

Week 8, May 16 – May 20:

May 17, 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 23 – May 27:

Taylor Notes §4: Taylor Series

Taylor Notes §5: Operations with Taylor Series

Week 10, May 30 – June 3:

Review

June 4, Final Exam