

MATH 126-D & 126-E Calendar, Spring 2015

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
- §10.3: 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