MATH 126 Calendar, Winter 2020

Week 1, Jan 6 – Jan 10:
Jan 6: §12.1: 3D Coordinate Systems
Jan 8: §12.2: Vectors
Jan 10: §12.3: The Dot Product

Week 2, Jan 13 – Jan 17:
Jan 13: §12.4: The Cross Product
Jan 15: §12.5: Equations of Lines and Planes
Jan 17: §12.5: Equations of Lines and Planes (continued)

Week 3, Jan 20 – Jan 24:
Jan 22: §12.6: Cylinders and Quadric Surfaces
Jan 24: §13.1: Vector Functions and Space Curves

Week 4, Jan 27 – Jan 31:
Jan 27: §13.2: Derivatives and Integrals of Vector Functions
Jan 29: §10.3: Polar Coordinates
Jan 31: §13.3: Arc Length and Curvature

Week 5, Feb 3 – Feb 7:
Feb 3: §13.4: Velocity and Acceleration
February 6: Midterm #1
Feb 7: §14.1: Functions of Several Variables

Week 6, Feb 10 – Feb 14:
Feb 10: §14.3: Partial Derivatives
Feb 12: §14.4: Tangent Planes and Linear Approximations
Feb 14: §14.7: Maximum and Minimum Values

Week 7, Feb 17 – Feb 21:
Feb 19: §15.1: Double Integrals over Rectangles
Feb 21: §15.2: Double Integrals over General Regions

Week 8, Feb 24 – Feb 28:
Feb 24: §15.3: Double Integrals in Polar Coordinates
Feb 26: Review
February 27: Midterm #2
Feb 28: §15.4: Applications of Double Integrals

Week 9, Mar 2 – Mar 6:
Mar 2: Taylor Notes §1 and §2: Tangent Line and Quadratic Approximation
Mar 4: Taylor Notes §3: Higher Order Approximation and Taylor's Inequality
Mar 6: Taylor Notes §4: Taylor Series

Week 10, Mar 9 – Mar 13:
Mar 9: Taylor Notes §5: Operations on Taylor Series
March 14: Final Exam