Schedule

A week-by-week breakdown of the material.

Week 1 (09/07-9/11)

Day 1 Review of Calc 1[1]

Day 2 Review of Calc 1 (cont)[2]

Day 3 Review of Calc 1 (cont 2)[3]
Area between graphs (6.1)[4]

Day 4 Volumes and Mean Value Theorem for integrals (6.2)[5]

Week 2 (09/14-09/18)

Day 1 Volumes and Mean Value Theorem for integrals (6.2 cont)[6]

Day 2 Volumes of revolution (6.3)[7]
Shell method (6.4)

Day 3 The exponential function (7.1)

Day 4 The exponential function (cont) (7.1)

Week 3 (09/21-09/25)

Day 1 Inverse functions (7.2)
Day 2 Logarithms (7.3)
Day 3 Logarithms (cont) (7.3)
Day 4 Defining logarithm as an integral

[1] notes/calc1_review.html
[2] notes/calc1_review.html
[3] notes/calc1_review.html
[4] notes/area_graphs.html
[5] notes/volumes.html
[6] notes/volumes.html
[7] notes/volumes_revolution.html

Week 4 (09/28-10/02)

Day 1 Defining exponential as inverse of logarithm
Day 2 Exponential Growth and Decay (7.4)
Day 3 Compound Interest (7.5)
Day 4 L'Hospital's Rule (7.7)

Week 5 (10/05-10/09)

Day 1 Review / Catchup
Day 2 **MIDTERM**
Day 3 Comparative growth of functions (7.7)
Day 4 Inverse Trigonometric Functions (7.8)

Week 6 (10/12-10/16)

Day 1 Hyperbolic Functions (7.9)
Day 2 Integration by parts (8.1)
Day 3 Trigonometric Integrals (8.2)
Day 4 Trigonometric Substitution (8.3)

Week 7 (10/19-10/23)

Day 1 Fall Break
Day 2 Method of Partial Fractions (8.5)
Day 3 Improper Integrals (8.6)
Day 4 Improper Integrals (cont) (8.6)

Week 8 (10/26-10/30)

Day 1 Special functions: Gamma
Day 2 Special functions: Beta?
Day 3 Numerical Integration (8.8)
Day 4 Taylor Polynomials (9.4)

Week 9 (11/02-11/06)

Day 1 Arc Length (9.1)
Day 2 Parametric Equations (12.1)
Day 3 Arc Length and Area (12.2)
Day 4 Review

Week 10 (11/09-11/13)

Day 1 **MIDTERM**
Day 2 Polar Coordinates (12.3)
Day 3 Area and Arc Length in polar coordinates (12.4)
Day 4 Conic sections (12.5)

Week 11 (11/16-11/20)

Day 1 Conic sections (cont) (12.5)
Day 2 TBA
Day 3 TBA
Day 4 TBA

Week 12 (11/23-11/27)

Day 1 TBA
Day 2 THANKSGIVING
Day 3 THANKSGIVING
Day 4 THANKSGIVING

Week 13 (12/01-12/04)

Day 1 TBA
Day 2 TBA
Day 3 TBA
Day 4 TBA

Week 14 (12/07-12/11)

Day 1 TBA
Day 2 TBA
Day 3 TBA
Day 4 TBA