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]
Day 3 Volumes of revolution (6.3 cont)[8]
Day 4 Shell method (6.4)[9]

Week 3 (09/21-09/25)

Day 1 The exponential function (7.1)[10]
Day 2 The exponential function (cont) (7.1)[11]
Day 3 Inverse functions (7.2)[12]
Day 4 Inverse functions (cont) (7.2)[13]

Week 4 (09/28-10/02)

Day 1 Logarithms (7.3)[14]

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[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
[8] notes/volumes_revolution.html
[9] notes/volumes_shell.html
[10] notes/exponential.html
[11] notes/exponential.html
[12] notes/inverse_functions.html
[13] notes/inverse_functions.html
[14] notes/logarithms.html

Day 2 Logarithms (cont) (7.3)[15]

Day 3 Logarithms (cont) (7.3)[16]

Day 4 Exponential Growth and Decay (7.4)[17]
Compound Interest (7.5)[18]

Week 5 (10/05-10/09)

Day 1 Review / Catchup
Day 2 **MIDTERM 1** (study guide[19])
Day 3 L'Hospital's Rule (7.7)[20]
Day 4 L'Hospital's Rule (7.7) cont[21]

Week 6 (10/12-10/16)

Day 1 Comparative growth of functions (7.7)[22]
Day 2 Comparative growth of functions (7.7)[23]
Day 3 Inverse Trigonometric Functions (7.8)[24]

Day 4

Week 7 (10/19-10/23)

Day 1 Fall Break
Day 2 Inverse Trigonometric Functions (7.8, cont)[25]
Day 3 Hyperbolic Functions (7.9)[26]
Day 4 Integration by parts (8.1)[27]

Week 8 (10/26-10/30)

Day 1 Integration by parts (8.1 cont)[28]

[15] notes/logarithms.html
[16] notes/logarithms.html
[17] notes/exponential_growth.html
[18] notes/compound_interest.html
[19] notes/midterm1_study_guide.html
[20] notes/lhopital.html
[21] notes/lhopital.html
[22] notes/growth.html
[23] notes/growth.html
[24] notes/inverse_trig.html
[25] notes/inverse_trig.html
[26] notes/hyperbolic.html
[27] notes/integration_parts.html
[28] notes/integration_parts.html

Day 2 Trigonometric Integrals (8.2)[29]
Day 3 Trigonometric Integrals (8.2)[30]
Day 4 Trigonometric Substitution (8.3)[31]

Week 9 (11/02-11/06)

Day 1 Trigonometric Substitution (8.3) cont[32]
Day 2 Trigonometric Substitution (8.3) cont[33]
Day 3 Method of Partial Fractions (8.5)[34]
Day 4 Method of Partial Fractions (8.5)[35]

Week 10 (11/09-11/13)

Day 1 **MIDTERM** (study guide[36])
Day 2 Method of Partial Fractions (8.5)[37]
Day 3 Method of Partial Fractions (8.5)[38]
Day 4 Improper Integrals (8.6)[39]

Week 11 (11/16-11/20)

Day 1 Improper Integrals (8.6)[40]
Day 2 Improper Integrals (8.6)[41]
Day 3 Numerical Integration (8.8)[42]
Day 4 Taylor Polynomials (9.4)[43]

Week 12 (11/23-11/27)

Day 1 Taylor Polynomials (9.4)[44]

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[29] notes/integrals_trig.html
[30] notes/integrals_trig.html
[31] notes/integrals_trig_subst.html
[32] notes/integrals_trig_subst.html
[33] notes/integrals_trig_subst.html
[34] notes/integrals_partial.html
[35] notes/integrals_partial.html
[36] notes/midterm2_study_guide.html
[37] notes/integrals_partial.html
[38] notes/integrals_partial.html
[39] notes/integrals_improper.html
[40] notes/integrals_improper.html
[41] notes/integrals_improper.html
[42] notes/integrals_numerical.html
[43] notes/taylor.html
[44] notes/taylor.html

Day 2 THANKSGIVING
Day 3 THANKSGIVING
Day 4 THANKSGIVING

Week 13 (12/01-12/04)

Day 1 Taylor Polynomials (9.4). Taylor's Theorem[45]
Day 2 Arc Length (9.1)[46]
Day 3 Parametric Equations (12.1)
Day 4 Arc Length and Area (12.2)

Week 14 (12/07-12/11)

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

[45] notes/taylor.html
[46] notes/arc_length.html