COURSE SCHEDULE

WEEK 1 (January 17-20, 2012)
Quick Review of Integration (Chapter 5)
6.1 Volumes Using Cross-Sections

WEEK 2 (January 23-27, 2012)
Last day to withdraw without a “W” grade - Monday, January 23
6.2 Volumes Using Cylindrical Shells
6.3 Arc Length
6.4 Areas of Surfaces of Revolution
QUIZ # 1 - THURSDAY, JANUARY 26

WEEK 3 (January 30 - February 3, 2012)
6.5 & 6.6 Selected Applications to Physics
7.1 The Logarithm Defined as an Integral

WEEK 4 (February 6-10, 2012)
7.2 Exponential Change and Separable Differential Equations
7.3 Hyperbolic Functions
7.4 Relative Rates of Growth
QUIZ # 2 - THURSDAY, FEBRUARY 9

WEEK 5 (February 13-17, 2012)
8.1 Integration By Parts
8.2 Trigonometric Integrals
8.3 Trigonometric Substitutions

WEEK 6 (February 20-24, 2012)
Review for Exam # 1 - Tuesday, February 21
8.4 Integration of Rational Functions by Partial Fractions
EXAM # 1 - THURSDAY, FEBRUARY 23

WEEK 7 (February 27 - March 2, 2012)
8.6 Numerical Integration
8.7 Improper Integrals
10.1 Sequences
QUIZ # 3 - THURSDAY, MARCH 1

WEEK 8 (March 5-9, 2012)
Spring Break: No Classes
WEEK 9 (March 12-16, 2012)
10.1 Sequences (continued)
10.2 Infinite Series
10.3 The Integral Test

WEEK 10 (March 19-23, 2012)
QUIZ # 4 - TUESDAY, MARCH 20
10.4 Comparison Tests
10.5 The Ratio and Root Tests

WEEK 11 (March 26-30, 2012)
Last day to withdraw with a grade of “W” - Monday, March 26
Review For Exam # 2 - Tuesday, March 27
10.6 Alternating Series, Absolute and Conditional Convergence
EXAM # 2 - THURSDAY, MARCH 29

WEEK 12 (April 2-6, 2012)
10.7 Power Series
10.8 Taylor and MacLaurin Series
10.9 Convergence of Taylor Series
QUIZ # 5 - THURSDAY, APRIL 5

WEEK 13 (April 9-13, 2012)
10.10 The Binomial Series and Applications to Taylor series
11.1 Parametrization of Plane Curves
11.2 Calculus with Parametric Curves

WEEK 14 (April 16-20, 2012)
11.3 Polar Coordinates
11.4 Graphing in Polar Coordinates
11.5 Areas and Lengths in Polar Coordinates
QUIZ # 6 - THURSDAY, APRIL 19

WEEK 15 (April 23-27, 2012)
11.6 Conic Sections
11.7 Conics in Polar Coordinates
Review for the Final Exam