

SPRING 2013 SEMESTER

THE OHIO STATE UNIVERSITY

Monday	Tuesday	Wednesday	Thursday	Friday
January 7 6.2 Regions Between Curves	8	9 6.3 Volume By Slicing	10	11 6.4 Volume By Shells
14 6.5 Lengths of Curves	15	16 6.7 Physical Applications HOMEWORK 1	17 QUIZ 1 (6.2 – 6.5)	18 6.8, 6.9 Exponential Models (Review)
21 MLK Day No Classes	22	23 7.1 Basic Approaches to Integration HOMEWORK 2	24 QUIZ 2 (6.7 – 6.9)	25 7.2 Integration by Parts
28 7.3 Trigonometric Integrals	29	30 REVIEW HOMEWORK 3	31 MIDTERM 1 (6.2 – 7.3) 7:05 – 8:00 pm	February 1 7.4 Trig Substitution
4 7.5 Partial Fractions	5	6 7.8 Improper Integrals HOMEWORK 4	7 QUIZ 3 (7.4, 7.5)	8 9.1 Overview of Sequences and Series
11 9.2 Sequences	12	13 9.3 Series (and Idea of Convergence) HOMEWORK 5	14 QUIZ 4 (7.8 – 9.2)	15 9.4, 9.5 Divergence Test, Ratio Test, only
18 10.1 Approx functions with Polynomials	19	20 10.2 Properties of Power Series HOMEWORK 6	21 QUIZ 5 (9.3 – 10.1)	22 10.3 Taylor Series
25 10.4 Working with Taylor Series	26	27 REVIEW HOMEWORK 7	28 MIDTERM 2 (7.4 – 10.4) 7:05 – 8:00 pm	March 1 11.1 Parametric Equations
4 11.2 Polar Equations	5	6 11.3 Calculus in Polar Coordinates HOMEWORK 8	7 QUIZ 6 (11.1, 11.2)	8 11.4 Conic Sections
11 No Classes	12 No Classes	13 No Classes	14 No Classes	15 No Classes

Jan 1: Offices closed.

Monday, May 6: Summer Semester 2013 begins.

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18 12.1, 12.2 Vectors in the Plane and 3-Space	19	20 12.3 Dot Products HOMEWORK 9	21 QUIZ 7 (11.3 - 12.2)	22 12.4 Cross Products
25 12.5 Lines and Curves in Space	26	27 12.6 Calculus of Vector- Valued Functions HOMEWORK 10	28 QUIZ 8 (12.3 - 12.5)	29 12.7 Motion in Space
April 1 12.8 Lengths of Curves	2	3 13.1 Planes and Surfaces HOMEWORK 11	4 QUIZ 9 (12.7 - 12.8)	5 13.1, 13.2 Planes and Surfaces, Graphs and Level Curves
8 13.2, 13.3 Graphs and Level Curves Limits and Continuity	9	10 REVIEW HOMEWORK 12	11 MIDTERM 3 (11.1 – 13.2) 7:05 – 8:00 pm	12 13.4 Partial Derivatives
15 13.5 The Chain Rule	16	17 13.6 Directional Derivatives, Gradient HOMEWORK 13	18 QUIZ 10 (13.3 - 13.5)	19 13.6, 13.7 Directional Derivatives, Gradient, Tangent Planes
22 REVIEW HOMEWORK 14	23 Reading Day	24	25 Final Exam 6:00-7: 45 pm	26

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