Math 1ZB3 Course Calendar

Week 1: January 3-6, 2012	
Lecture 1	5.1 Areas and Distances
Lecture 2	5.2 The Definite Integral
Week 2: January 9-13, 2012	
Lecture 3	5.3 The Fundamental Theorem of Calculus
Lecture 4	5.5 The Substitution Rule
Lecture 5	6.1 Areas Between Curves
Week 3: January 16-20, 2012	
Lecture 6	*Problem Session/Review*
Lecture 7	6.2 Volumes
Lecture 8	6.4 Work
Week 4: January 23-27, 2012	
Lecture 9	6.5 Average Value of a Function 7.1 Integration by Parts
Lecture 10	7.1 Integration by Parts (continued)
Lecture 11	*Problem Session/Review*
Week 5: January 30 – February 3, 2012	
Test 1: Evening of Wednesday February 1	
Lecture 12	*Problem Session/Review*
Lecture 13	7.2 Trigonometric Integrals
Lecture 14	7.3 Trigonometric Substitution
Week 6: February 6-10, 2012	
Lecture 15	*Problem Session/Review*
Lecture 16	7.4 Integration of Rational Functions by Partial Fractions (omit rationalizing substitutions)
Lecture 17	7.4 Integration of Rational Functions by Partial Fractions (Continued) 7.8 Improper Integrals
Week 7: February 13-17, 2012	
Lecture 18	*Problem Session/Review*
Lecture 19	7.8 Improper Integrals (Continued)
Lecture 20	11.3 The Integral Test and Estimates of Sums
WEEK 8: READING WEEK, FEBRUARY 20-24	
Week 9: February 27 – March 2, 2012	
Test 2 (Midterm Exam): Evening of Friday March 2	
Lecture 21	*Problem Session/Review*
Lecture 22	11.3 The Integral Test and Estimates of Sums (Continued) 8.1 Arc Length
Lecture 23	8.2 Area of a Surface of Revolution
Week 10: March 5-9, 2012	
Lecture 24	*Problem Session/Review*
Lecture 25	8.3 Applications to Physics and Engineering (only hydrostatic force and pressure)
Lecture 26	8.5 Probability
Week 11: March 12-16, 2012	

Lecture 27	*Problem Session/Review*
Lecture 28	9.3 Separable Equations
Lecture 29	9.5 Linear Equations
Week 12: March 19-23, 2012	
Lecture 30	*Problem Session/Review*
Lecture 31	10.1 Curves Defined by Parametric Equations
Lecture 32	10.2 Calculus with Parametric Curves
Week 13: March 26-30, 2012	
Test 3: Evening of Tuesday March 27	
Lecture 33	*Problem Session/Review*
Lecture 34	10.2 Calculus with Parametric Curves Cont'd
Lecture 35	10.3 Polar Coordinates
Week 14: April 2-4 (April 4 is the last day of classes)	
Lecture 36	10.4 Areas and Lengths in Polar Coordinates
Lecture 37	*Problem Session/Review*