Math 1ZB3 Course Calendar

Week 1: January 3-7, 2011	
Lecture 1	5.1 Areas and Distances
Lecture 2	5.2 The Definite Integral
Lecture 3	5.3 The Fundamental Theorem of Calculus
Week 2: January 10-14, 2011	
Lecture 4	5.5 The Substitution Rule
Lecture 5	6.1 Areas Between Curves
Lecture 6	6.2 Volumes
Week 3: January 17-21, 2011	
Lecture 7	*Problem Session/Review*
Lecture 8	6.4 Work
Lecture 9	6.5 Average Value of a Function 7.1 Integration by Parts
Week 4: January 24-28, 2011	
Lecture 10	*Problem Session/Review*
Lecture 11	7.1 Integration by Parts (continued)
Lecture 12	7.2 Trigonometric Integrals
Week 5: January 31 – February 4, 2011	
Test 1: Evening of Monday January 31	
Lecture 13	*Problem Session/Review*
Lecture 14	7.3 Trigonometric Substitution
Lecture 15	7.4 Integration of Rational Functions by Partial Fractions (omit rationalizing substitutions)
Week 6: February 7-11, 2011	
Lecture 16	*Problem Session/Review*
Lecture 17	7.4 Integration of Rational Functions by Partial Fractions (Continued) 7.8 Improper Integrals
Lecture 18	7.8 Improper Integrals (Continued)
Week 7: February 14-18, 2011	
Lecture 19	*Problem Session/Review*
Lecture 20	11.3 The Integral Test and Estimates of Sums
Lecture 21	11.3 The Integral Test and Estimates of Sums (Continued) 8.1 Arc Length
WEEK 8: READING WEEK, FEBRUARY 21-25	
Week 9: February 28 – March 4, 2011	
Test 2 (Midterm Exam): Evening of Thursday March 3	
Lecture 22	*Problem Session/Review*
Lecture 23	8.2 Area of a Surface of Revolution
Lecture 24	8.3 Applications to Physics and Engineering (only hydrostatic force and pressure)
Week 10: March 7-11, 2011	
Lecture 25	*Problem Session/Review*
Lecture 26	8.5 Probability
Lecture 27	9.3 Separable Equations

Week 11: March 14-18, 2011	
Lecture 28	*Problem Session/Review*
Lecture 29	9.5 Linear Equations
Lecture 30	10.1 Curves Defined by Parametric Equations
Week 12: March 21-25, 2011	
Lecture 31	*Problem Session/Review*
Lecture 32	10.2 Calculus with Parametric Curves
Lecture 33	10.2 Calculus with Parametric Curves Cont'd
Week 13: March 28-April 1, 2011	
Test 3: Evening of Tuesday March 29	
Lecture 34	*Problem Session/Review*
Lecture 35	10.3 Polar Coordinates
Lecture 36	10.4 Areas and Lengths in Polar Coordinates
Week 14: April 4-5 (April 5 is the last day of classes)	
Lecture 37	*Problem Session/Review*
Lecture 38	*Problem Session/Review*