Mathematics 11 — Term Syllabus
Fall 2006 — Based on Stewart 5e

Lecture	Date	Sections	Topic	Textbook Problems
Day 1	W 9/20	13.1, 13.2	Coords and vectors in R2 and R3	
Day 2	F 9/22	13.3, 13.4	Dot product and cross product	
Day 3	M 9/25	13.5	Lines and planes in R3	
Day 4	W 9/27	14.1, 14.2	Vector fctns, space curves, derivs, integrals	
Day 5	F 9/29	14.3, 14.4	Arclength, velocity, acceleration	
Day 6	M 10/2	15.1, 15.2	Fctns of several vars, limits, continuity	
Day 7	W 10/4	15.3	Partial Derivatives	
Day 8	F 10/6	15.4	Tangent Planes and Approximation	
Day 9	M 10/9	15.5	Chain Rule	
Day 10	W 10/11	15.6	Directional Derivatives and the gradient	
Day 11	F 10/13	15.7	Maxima and Minima	
Day 12	M 10/16	15.7	Maxima and Minima	
Day 13	W 10/18*	16.1	Double Integrals over rectangles	
Day 14	F 10/20	16.2	Iterated Integrals	
Day 15	M 10/23	16.3	Double Integrals over General Regions	
Day 16	W 10/25	16.4	Double Integrals in polar coordinates	[3, 5, 7, 13,19, 25, 29, 33]
Day 17	F 10/27	16.6	Surface Area	
Day 18	M 10/30	16.7	Triple Integrals	
Day 19	W 11/1	13.7, 16.8	Cylindrical and spherical coords; Integrals	
Day 20	F 11/3	17.1, 17.2	Vector Fields, Line Integrals	
Day 21	M 11/6	17.3	Fundamental Theorem for line integrals	
Day 22	W 11/8**	17.3	Fundamental Theorem for line integrals	
Day 23	F 11/10	17.4	Green's Theorem	
Day 24	M 11/13	17.5	Curl and Divergence	
Day 25	W 11/15	17.6	Parametric Surfaces and their Areas	
Day 26	F 11/17	17.7	Surface Integrals	
Day 27	M 11/20	17.8, 17.9	Stokes' and Gauss' Theorem	
	Happy Thanksgiving!			
Day 28	M 11/27	17.8, 17.9	Stokes' and Gauss' theorem	
Day 29	W 11/29	Wrap up		

* Hour Exam 1
** Hour Exam 2

The Registrar has scheduled the final exam for Saturday, December 2 at 11:30 a.m. He will announce the room location sometime during the term.