

MATH 251
FALL 2008
Schedule of Lectures and Exams*

DATE	SECTIONS grouped by topic	LECTURES*	ASSIGNMENTS
Sep-03		INTRODUCTION	
Sep-05	12.1	Three-Dimensional Coordinate Systems	
Sep-08	12.2	Vectors	Assignment 1 due
Sep-10	12.3	The Dot Product	
Sep-12	12.4	The Cross Product	
Sep-15	12.5	Equations of Lines and Planes	Assignment 2 due
Sep-17	12.6	Cylinders and Quadric Surfaces	
Sep-19	13.1	Vector Functions and Space Curves	
Sep-22	13.2	Derivatives and Integrals of Vector Functions	Assignment 3 due
Sep-24	13.3	Arc Length and Curvature	
Sep-26	13.4	Motion in Space	
Sep-29	14.1	Functions of Several Variables	Assignment 4 due
Oct-01		Review	
Oct-03		MIDTERM I	
Oct-06	14.2	Limits and Continuity	
Oct-08	14.3	Partial Derivatives	
Oct-10	14.4	Tangent Planes and Linear Approximations	
Oct-13		<i>Thanksgiving Day - Holiday</i>	
Oct-15	14.5	The Chain Rule	Assignment 5 due
Oct-17	14.6	Directional Derivatives and the Gradient Vector	
Oct-20	14.7	Maximum and Minimum Values	Assignment 6 due
Oct-22	14.8	Lagrange Multipliers	
Oct-24	15.1	Double Integrals over Rectangles	
Oct-27	15.2	Iterated Integrals	Assignment 7 due
Oct-29	15.3	Double Integrals over General Regions	
Oct-31	15.4	Double Integrals in Polar Coordinates	
Nov-03	15.5	Applications of Double Integrals	Assignment 8 due
Nov-05		Review	
Nov-07		MIDTERM II	
Nov-10	15.6	Surface Area	
Nov-12	15.7	Triple Integrals in Cylindrical Coordinates	
Nov-14	15.8	Integration in Spherical Coordinates	
Nov-17	15.9	Change of Variables in Multiple Integrals	Assignment 9 due
Nov-19	16.1	Vector Fields	
Nov-21	16.2	Line Integrals	
Nov-24	16.3	The Fundamental Theorem for Line Integrals	Assignment 10 due
Nov-26	16.4	Green's Theorem	
Nov-28		Review	
Dec-01		Review	Assignment 11 due
Dec-10		FINAL EXAM	

* TENTATIVE, SUBJECT TO CHANGE