

## Math 32 A, Fall 2008: Syllabus

Lecture Schedule			
Lecture	Date	Section	Topics Covered
1.	9/26	13.1	Three Dimensional Coordinates
2.	9/29	13.2	Vectors
3.	10/1	13.3	Dot Products
4.	10/3	13.4	Cross Products
5.	10/6	13.5	Equations of Lines and Planes
6.	10/8	11.1	Curves Defined by Parametric Equations
7.	10/10	14.1	Vector Valued Functions
8.	10/13	14.2	Derivative and Integrals of Vector Functions
9.	10/15	14.3	Arc Length And Curvature
10.	10/17	14.4	Motion in Space
11.	10/20	15.1	Functions of Several Variables
12.	10/22	—	Midterm Review
13.	10/24	—	Midterm 1
14.	10/27	13.6	Cylinders and Quadric Functions
15.	10/29	15.2	Limits and Continuity
16.	10/31	15.2	Limits and Continuity
17.	11/3	15.3	Partial Derivatives
18.	11/5	15.3	Partial Derivatives
19.	11/7	15.4	Tangent Planes and Linear Approximation
20.	11/10	15.4	Tangent Planes and Linear Approximation
21.	11/12	—	Midterm Review
22.	11/14	—	Midterm 2
23.	11/17	15.5	Chain Rule
24.	11/19	15.6	Directional Derivatives and Gradient Vectors
25.	11/21	15.6	Directional Derivatives and Gradient Vectors
26.	11/24	15.7	Maximum and Minimum Values
27.	11/26	15.8	Lagrange Multipliers
28.	12/1	15.8	Lagrange Multipliers
29.	12/3	—	Final Exam Review