Math 103.01 Summer 2001
Syllabus

Day	Date	Topic	Sections
1	May 17	Introduction, Vectors in $\mathbb{R}^2$, Vectors in $\mathbb{R}^3$	12.1, 12.2
2	May 18	Vectors, Matrices, Cross Product	12.1, 12.2, 12.3
3	May 21	Lines and Planes	12.4
4	May 22	Parametric Curves, Curves and Motion in $\mathbb{R}^3$	10.4, 12.5
5	May 23	Curvature and Acceleration	12.6
6	May 24	Cylinders and Quadric Surfaces	12.7
7	May 25	Functions of Several Variables; Limits and Continuity	13.1, 13.2, 13.3
8	May 28	Partial Derivatives	13.4
9	May 29	Maxima and Minima, The Second Derivative Test	13.5, 13.10
10	May 30	The Chain Rule	13.7
11	May 31	Directional Derivatives and the Gradient	13.8
12	June 1	Lagrange Multipliers	13.9
13	June 4	Test I	
14	June 5	Double Integrals	14.1, 14.2
15	June 6	Area and Volume	14.3
16	June 7	Double Integrals in Polar Coordinates	10.2, 14.4
17	June 8	Triple Integrals	14.6
18	June 11	Triple Integrals in Cylindrical and Spherical Coordinates	12.8, 14.7
19	June 12	Surface Area	14.8
20	June 13	Vector Fields	15.1
21	June 14	Line Integrals	15.2
22	June 15	Independence of Path	15.3
23	June 18	Test II	
24	June 19	Green's Theorem	15.4
25	June 20	Surface Integrals	15.5
26	June 21	Divergence Theorem	15.6
27	June 22	Stokes' Theorem	15.7
28	June 25	Review	
29	June 27	Final Exam	