Math 225: Caclulus II **Fall 2001**

Aug 29	13.1–2 3D Coordinates, Vectors
31	13.3 Dot Product
Sep 3	13.4 Cross Product
5	13.5 Lines, Planes
6	**Quiz 1**
7	13.5 Planes
10	14.1 Vector Functions, Space Curves
12	14.2 Derivatives, Integrals
13	**Quiz 2**
14	14.3 Arc Length (Skip Curvature)
17	14.4 Motion in Space
19	15.1–2 Functions of Several Variables, Limits
20	**Quiz 3**
21	15.2–3 Continuity, Partial Derivatives
24	15.3 Partial Derivatives
25	**Exam I**
26	15.5 Chain Rule
28	15.6 Directional Derivatives, Gradients
Oct 1	15.6 Tangent Planes, Normal Lines
3	15.7 Maxima, Minima, Saddle Points
4	**Quiz 4**
5	15.7 Maxima, Minima, Saddle Points
8	15.8 Lagrange Multipliers
10	15.8, 16.1 Two Constraints, Double Integrals
11	**Quiz 5**
12	16.2 Double Integrals
15	16.3 Double Integrals
17	16.4 Double Integrals in Polar Form
18	**Quiz 6**
19	16.5–6 Moments, Centers, Areas
20–28	*Midsemester Break*
29	*Review*
30	**Exam II**
31	16.7 Triple Integrals
Nov 2	16.8 Triple Integrals in Cylindrical
5	16.8 Triple Integrals in Spherical
7	16.9 Change of Variables in Multiple Integrals
8	**Quiz 7**
9	17.2 Line Integrals of Functions
12	17.1–2 Vectors Fields, Line Integrals
14	17.3 Fundamental Theorem of Line Integrals
15	**Quiz 8**
16	17.4 Green's Theorem
19	17.5 Curl, Divergence
21	17.6 Parametric Surfaces
22–25	*Thanksgiving Holiday*
26	17.6 Tangent Planes, Area
28	*Review*
29	**Exam III**
30	17.7 Surface Integrals
Dec 3	17.7 Flux Integrals
5	17.8 Stokes' Theorem
6	**Quiz 9**
7	17.9 Divergence Theorem
10	*Review*
13	*Review Session*
Dec 14	**Final Exam** 1:45–3:45 P.M.