Math 225: Caclulus II **Fall 2002**

Aug 28	13.1–2 3D Coordinates, Vectors
30	13.3 Dot Product
Sep 2	13.4 Cross Product
4	13.5 Lines, Planes
5	**Quiz 1** (Snow)
8	13.5 Planes
9	14.1 Vector Functions, Space Curves
11	14.2 Derivatives, Integrals
12	**Quiz 2** (Hind)
13	14.3 Arc Length (Skip Curvature)
16	14.4 Motion in Space
18	15.1–2 Functions of Several Variables, Limits
19	**Quiz 3** (Nicholls)
20	15.2–3 Continuity, Partial Derivatives
23	15.3 Partial Derivatives
25	15.5 Chain Rule
26	**Quiz 4** (Byers)
27	15.6 Directional Derivatives, Gradients
30	15.6 Tangent Planes, Normal Lines & *Review*
Oct 1	**Exam I**
2	15.7 Maxima, Minima, Saddle Points
4	15.7 Maxima, Minima, Saddle Points
7	15.8 Lagrange Multipliers
9	15.8 Two Constraints
10	**Quiz 5** (Snow)
11	16.1–2 Double Integrals over Rectangles
14	16.2–3 Double Integrals over General Regions
16	16.3–4 Double Integrals over General Regions
17	**Quiz 6** (Hind)
18	16.4 Double Integrals in Polar Form
19–27	*Mid-semester Break*
28	16.5–6 Moments, Centers, Areas
30	16.7 Triple Integrals
31	**Quiz 7** (Nicholls)
Nov 1	16.8 Triple Integrals in Cylindrical
4	16.8 Triple Integrals in Spherical
6	16.9 Change of Variables in Multiple Integrals
7	**Quiz 8** (Byers)
8	17.2 Line Integrals of Functions
11	*Review*
12	**Exam II**
13	17.1–2 Vectors Fields, Line Integrals
15	17.3 Fundamental Theorem of Line Integrals
18	17.4 Green's Theorem
20	17.5 Curl, Divergence
21	**Quiz 9** (Snow)
22	17.6 Parametric Surfaces
25	17.6 Tangent Planes, Area
27	17.7 Surface Integrals
28–1	*Thanksgiving Holiday*
Dec 2	17.7 Flux Integrals
4	17.8 Stokes' Theorem
5	**Quiz 10** (Hind)
6	17.8–9 Stokes', Divergence Theorem
9	17.9 Divergence Theorem
11	*Review*
Dec 17	**Final Exam** 1:45–3:45 P.M.