Math 251, Spring 2001, Tentative Schedule:

Date	Section/Topic
Tu 1/30/01	First Day Handout; §13.2 – Vectors §13.3 – Dot product
Th 2/1/01	§13.4 – Cross product
Tu 2/6/01	§13.5 – Lines and planes
Th 2/8/01	§13.6 – Cylinders and quadric surfaces §13.7 – Cylindrical and Spherical Coordinates
Tu 2/13/01	§14.1 – Vector functions and space curves §14.2 – Derivatives and integrals of vector functions
Th 2/15/01	§14.2 – Derivatives and integrals of vector functions Review for Test 1
Tu 2/20/01	**Test 1: 13.1–13.7**
Th 2/22/01	§14.3 – Arc length and curvature §14.4 – Motion in space
Tu 2/27/01	§15.1 – Functions of several variables §15.2 – Limits and continuity
Th 3/1/01	§15.2 – Limits and continuity §15.3 – Partial derivatives
Tu 3/6/01	§15.4 – Tangent planes and linear approximations
Th 3/8/01	§15.5 – Chain Rule
Tu 3/13/01	§15.6 – Directional derivatives and gradient vector
Th 3/15/01	§15.7 – Maximum and minimum values

Date	Section/Topic
Tu 3/20/01	SPRING BREAK
Th 3/22/01	SPRING BREAK
Tu 3/27/01	§15.8 – Lagrange multipliers
Th 3/29/01	§16.1 – Double integrals over rectangles Review for Test 2
Tu 4/3/01	§**Test 2: 14.1 – 15.8**
Th 4/5/01	§16.2 – Iterated integrals §16.3 – Double integrals over general regions
Tu 4/10/01	§16.3 – Double integrals over general regions §16.4 – Double integrals in polar coordinates
Th 4/12/01	§16.5 – Applications of double integrals §16.6 – Surface area
Tu 4/17/01	§16.7 – Triple integrals §16.8 – Triple integrals in cylindrical and spherical coordinates
Th 4/19/01	§16.9 – Change of variables in multiple integrals §17.1 – Vector fields
Tu 4/24/01	§17.2 – Line integrals
Th 4/26/01	§17.3 – Fundamental theorem for line integrals
Tu 5/1/01	§17.4 – Green's theorem §17.5 – Curl and divergence
Th 5/3/01	§17.5 – Curl and divergence §17.6 – Parametric surfaces and their areas
Tu 5/8/01	§17.7 – Surface integrals
Th 5/10/01	§17.8 – Stoke's theorem §17.9 – Divergence theorem
Tu 5/15/01	Review