Math 251, Fall 2008, Tentative Schedule:

Date	Section/Topic
W 8/27/08	First Day Handout; §10.1 – Vectors in the plane §10.2 – Vectors in space
F 8/29/08	§10.3 – Dot product
M 9/1/08	Labor Day
W 9/3/08	§10.4 – Cross product
F 9/5/08	§10.5 – Lines and planes in space
M 9/8/08	§10.6 – Surfaces in space
W 9/10/08	§13.6 – Cylindrical coordinates §13.7 – Sperical coordinates
F 9/12/08	§11.1 – Vector–valued functions
M 9/15/08	§11.2 – Calculus of vector–valued functions
W 9/17/08	Review for Exam 1
F 9/19/08	**Exam 1**
M 9/22/08	§11.3 – Motion in Space
W 9/24/08	§11.4 – Curvature §11.5 – Tangent and normal vectors
F 9/26/08	§12.1 – Functions of several variables
M 9/29/08	§12.2 – Limits and continuity
W 10/1/08	§12.3 – Partial derivatives
F 10/3/08	§12.4 – Tangent planes and linear approximations
M 10/6/08	§12.5 – Chain Rule
W 10/8/08	§12.6 – Gradient and Directional derivatives

Date	Section/Topic
F 10/10/08	§12.7 – Extrema of functions of several variables
M 10/13/08	§12.8 – Constrained optimization and Lagrange multipliers
W 10/15/08	§13.1 – Double integrals
F 10/17/08	§13.1 – Double integrals
M 10/20/08	§13.2 – Area, volume, and center of mass
W 10/22/08	Review for Exam 2
F 10/24/08	**Exam 2**
M 10/27/08	§13.3 – Double integrals in polar coordinates
W 10/29/08	§14.1 – Vector fields
F 10/31/08	§14.2 – Line integrals
M 11/3/08	§14.3 – Independence of path and conservative vector fields
W 11/5/08	§14.4 – Green's theorem
F 11/7/08	§14.5 – Curl and divergence
M 11/10/08	§11.6 – Parametric surfaces
W 11/12/08	§14.6 – Surface integrals
F 11/14/08	§14.8 – Stoke's theorem
M 11/17/08	**Quiz**
W 11/19/08	§13.4 – Surface area
F 11/21/08	§13.5 – Triple integrals

Date	Section/Topic
M 11/24/08	§13.6 – Triple integrals in cylindrical coordinates
W 11/26/08	Problem Solving Day
F 11/28/08	**Thanksgiving Break**
M 12/1/08	§13.7 – Triple integrals in spherical coordinates
W 12/3/08	§13.8 – Change of variables in multiple integrals
F 12/5/08	§14.7 – Divergence theorem
M 12/8/08	Review for Final Exam
F 12/12/08	**FINAL EXAM**