

## Tentative Schedule of Lectures and Examinations

Date		Topic
W	Jan. 21	n-dimensional Euclidean space
M	Jan. 26	Spans, lines and planes
W	Jan. 28	Dot product, Euclidean norm and orthogonality
M	Feb. 2	The cross product and areas
W	Feb. 4	Functions on Euclidean space
M	Feb. 9	Open subsets of Euclidean space
W	Feb. 11	Continuous functions
M	Feb. 16	Limits and continuity
W	Feb. 18	Differentiability
M	Feb. 23	The derivative map
W	Feb. 25	Sufficient conditions for differentiability and $C^1$ maps
M	Mar. 2	Derivatives of compositions
W	Mar. 4	Derivatives of compositions (continued)
M	Mar. 9	Review
W	Mar. 11	<b>Exam 1</b>
M	Mar. 16	<i>Spring Recess</i>
W	Mar. 18	<i>Spring Recess</i>
M	Mar. 23	Curves in the plane
W	Mar. 25	Path integrals
M	Mar. 30	Line integrals
W	Apr. 1	Flux across plane curves
M	Apr. 6	Differential forms
W	Apr. 8	Calculus of differential forms
M	Apr. 13	Evaluating 2-forms: double integrals
W	Apr. 15	Double integrals (continued)
M	Apr. 20	The Fundamental Theorem of Calculus in two-dimensions
W	Apr. 22	Change of variables theorem
M	Apr. 27	Review
W	Apr. 29	<b>Exam 2</b>
M	May 4	Review
W	May 6	Review
F	May 15	<b>Final Exam</b>