

Tentative Schedule of Lectures and Examinations

Date		Topic
W	Sep 2	Introduction: The Fundamental Theorem of Calculus
M	Sep 7	n -dimensional Euclidean space
W	Sep 9	Geometry of Euclidean space
M	Sep 14	Geometry of Euclidean space (continued)
W	Sep 16	Functions
M	Sep 21	Continuity
W	Sep 23	Compositions of Continuous Functions
M	Sep 28	Review
W	Sep 30	Exam 1
M	Oct 5	Definition of differentiability
W	Oct 7	The derivative map
M	Oct 12	The derivative map (continued)
W	Oct 14	Sufficient conditions for differentiability
M	Oct 19	<i>Fall Recess</i>
W	Oct 21	The Chain Rule
M	Oct 26	Review
W	Oct 28	Exam 2
M	Nov 2	Arc length
W	Nov 4	Path integrals
M	Nov 9	Line integrals
W	Nov 11	Differential forms
M	Nov 16	Differential forms (continued)
W	Nov 18	Double integrals
M	Nov 23	The Fundamental Theorem of Calculus
W	Nov 25	Problems
M	Nov 30	Review
W	Dec 2	Exam 3
M	Dec 7	Review
W	Dec 9	Review
M	Dec 14	Final Examination