

Tentative Schedule of Lectures and Examinations

Date		Topic
W	Aug 31	Introduction: The Fundamental Theorem of Calculus
M	Sep 5	n -dimensional Euclidean space
W	Sep 7	Geometry of Euclidean space
M	Sep 12	Geometry of Euclidean space (continued)
W	Sep 14	Functions
M	Sep 19	Continuity
W	Sep 21	Compositions of Continuous Functions
M	Sep 26	Definition of differentiability
W	Sep 28	The derivative map
M	Oct 3	The derivative map (continued)
W	Oct 5	Sufficient conditions for differentiability
M	Oct 10	Review
W	Oct 12	Exam 1
M	Oct 17	<i>Fall Recess</i>
W	Oct 19	The Chain Rule
M	Oct 24	The Chain Rule (continued)
W	Oct 26	Arc length
M	Oct 31	Arc length (continued)
W	Nov 2	Path integrals
M	Nov 7	Line integrals
W	Nov 9	Differential forms
M	Nov 14	Differential forms (continued)
W	Nov 16	Double integrals
M	Nov 21	The Fundamental Theorem of Calculus
W	Nov 23	Problems
M	Nov 28	Review
W	Nov 30	Exam 2
M	Dec 5	Review
W	Dec 7	Review
F	Dec 16	Final Examination