

Course Schedule - Fall 2008

Mathematics

380 **Advanced Calculus** credit: 3 hours.

Introductory study of vector calculus and functions of several variables; topics include directional derivatives; Jacobians; change of variables in multiple integrals; maxima and minima; line and surface integrals; theorems of Gauss, Green, and Stokes; infinite series; and uniform convergence. Credit is not given for both MATH 380 and MATH 241. Prerequisite: MATH 242.

This course satisfies the General Education Criteria for a Quant Reasoning II course.

CRN	Type	Section	Time	Days	Location	Instructor
40194	laboratory-discussion	Z8	ARRANGED			Carpenter, B
40194: Quant Reasoning II course.						
40194: Section Z8 will be taught asynchronously. See http://www.math.uiuc.edu/timetable/ for further details. Restricted to seniors. Contact Math Undergraduate Office (advising@math.uiuc.edu) for additional details. Uses Mathematica courseware. See http://www.math.uiuc.edu/timetable/ for details.						