

Course Schedule - Fall 2004

Mathematics

412 **Graph Theory** Credit: 3 or 4 hours.

(MATH 312) Examines basic concepts and applications of graph theory, where graph refers to a set of vertices and edges that join some pairs of vertices; topics include subgraphs, connectivity, trees, cycles, vertex and edge coloring, planar graphs and their colorings. Draws applications from computer science, operations research, chemistry, the social sciences, and other branches of mathematics, but emphasis is placed on theoretical aspects of graphs. 3 undergraduate hours. 3 or 4 graduate hours. 4 hours of credit requires approval of the instructor and completion of additional work of substance. Prerequisite: MATH 347 or 348 or equivalent experience or CS 273.

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

CRN	Type	Section	Time	Days	Location	Instructor
39212	lecture-discussion	G1G	03:00 PM - 03:50 PM	MWF	room 345 Altgeld Hall	Hartke, S
39212: Quant Reasoning II course.						
39211	lecture-discussion	G1U	03:00 PM - 03:50 PM	MWF	room 345 Altgeld Hall	Hartke, S
39211: Quant Reasoning II course.						
39211: 3 hours						
39116	lecture-discussion	X1G	12:00 PM - 12:50 PM	MWF	room 443 Altgeld Hall	Kostochka, A
39116: Quant Reasoning II course.						
30348	lecture-discussion	X1U	12:00 PM - 12:50 PM	MWF	room 443 Altgeld Hall	Kostochka, A
30348: Quant Reasoning II course.						
30348: 3 hours						