

# Course Schedule - Fall 2008

## Mathematics

525 **Topology** credit: 4 hours.

Winding numbers, singular and de Rahm homology and cohomology in dimension zero and one, fixed point theorems, Jordan curve theorem, covering spaces, fundamental groups, classification of surfaces, van Kampen Theorem, singular homology, Eilenberg-Steenrod axioms, homology groups of surfaces. Prerequisite: MATH 417 and MATH 448 or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
30821	lecture-discussion	F1	02:00 PM - 02:50 PM	MWF	room 447 Altgeld Hall	Tolman, S