

# Course Schedule - Fall 2004

## Mathematics

**573 *Recursive Function Theory*** Credit: 4 hours.

(MATH 412) Various characterizations of the class of recursive (i.e., computable) functions; the Church-Turing thesis; unsolvability of the halting problem; the recursion theorem and the enumeration theorem; relative computability, the jump operation, and the arithmetical hierarchy; recursively enumerable sets; degrees of unsolvability; and the priority method. Prerequisite: MATH 570 or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
39218	lecture-discussion	G1	03:00 PM - 03:50 PM	MWF	room 441 Altgeld Hall	Pillay, A