Mathematics 271   Discrete Mathematics

Proof techniques. Sets and relations. Induction. Counting and probability. Graphs and trees.
Course Hours: H(3-1T-1)
Prerequisite(s): One of Mathematics 211 or 213 or 221.
Antirequisite(s): Credit for both Mathematics 271 and 273 will not be allowed.
Notes: Philosophy 279 or 377 is highly recommended to complement this course.

Syllabus

Topics	**Number of Hours**
Introduction to Proofs	4
Sets and Relations	8
Functions	3
Induction	5
Elementary Number Theory	4
Counting: Permutations, Combinations, Probability	8
Graphs and Trees	4
TOTAL HOURS	**36**

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