

## FACULTY OF SCIENCE Department of Mathematics and Statistics

## MATHEMATICS 271 "DISCRETE MATHEMATICS"

Calendar Description: H(3-1T-1)

Proof techniques. Sets and relations. Induction. Counting and probability. Graphs

and trees.

Prerequisite: Mathematics 211 or 221.

## Syllabus

<u>Topics</u>		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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