

FACULTY OF SCIENCE Department of Mathematics and Statistics

Pure Mathematics 471

Combinatorics and Graph Theory

(see Course Descriptions under the year applicable: <u>http://www.ucalgary.ca/pubs/calendar/</u>)

Syllabus

Topics	<u>Number of</u> hours
Graphs (eulerian graphs, trees, hamiltonian graphs, planarity, colouring, digraphs)	12
Counting (recurrence relations, generating functions, partitions)	12
Posets (linear extensions, dimension, Dilworth's theorem)	12
TOTAL HOURS	36

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2011:07:01 Previously known as PMAT 371 WEC