

[Dror Bar-Natan: Classes: 2015-16: Math 344 Combinatorics](#)

Syllabus

Tuesday, August 18, 2015 4:13 PM

MAT344H1 Introduction to Combinatorics[36L]

Basic counting principles, generating functions, permutations with restrictions. Fundamentals of graph theory with algorithms; applications (including network flows). Combinatorial structures including block designs and finite geometries.

Prerequisite: [MAT223H1](#)/[MAT240H1](#)

Distribution Requirement Status: This is a Science course

Breadth Requirement: The Physical and Mathematical Universes (5)

From <http://www.artsandscience.utoronto.ca/ofr/calendar/crs_mat.htm#MAT344H1>

My decision with Khanin, August 18 2015:

First half: as much as possible of Tucker's chapters 1-4.

Second half: as much as possible of Tucker's chapters 5-8.