

COMP 22-02 - Discrete Mathematics - Spring 2011
Mondays and Wednesdays 10:30-11:45, Halligan Hall 106

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Office hours: Tuesdays and Thursdays 12:00 – 13:00. Lab 116.

Text: Mathematics: A Discrete Introduction, by Edward R. Scheinerman, Brooks Cole,
Second Edition, 2006.

Course Web Page: <http://cgm.cs.mcgill.ca/~godfried/teaching.html>

- Lecture Descriptions, Homework, and Play
- Web: Course Contents

Course Description:

The goals of this course are to train the students to think in a logical and mathematical way, to develop skills in a variety of proof techniques, and to introduce the students to some of the basic concepts in discrete mathematics. This course provides an introduction to logic, set theory, combinatorics, algorithms, complexity theory, discrete probability, functions, coding theory, information theory, and graph theory, with a strong emphasis on proof techniques.

Prerequisite: MATH 11 or COMP 11.

Performance Evaluation:

- There will be thirteen 15-minute 10-point quizzes, one every week either on the Monday or the Wednesday (picked at random by the flip of a coin) starting the week of January 31st.
- The three lowest quiz scores will be dropped.
- The quizzes will count 50% of the final course mark.
- There will be reading and problem-solving assignments throughout the term related to the quizzes (these will not be marked).
- There will also be a final exam (closed book) counting 50% of the final course mark.

Marking scheme:

A+: above 97, A : 93-96, A-: 90-92
B+: 87-89, B : 83-86, B-: 80-82
C+: 77-79, C : 73-76, C-: 70-72
D+: 67-69, D : 63-66, D-: 60-62
F : below 60