

CS 2022 / MA 2201 Discrete Mathematics
A term 2015

Instructor: Gabor Sarkozy
E-mail: gsarkozy@cs.wpi.edu
Office: Fuller 134
Office Hours: T, R 11:00-12:00
URL: <http://web.cs.wpi.edu/~gsarkozy>

TAs: TBA

Time: Lectures: M, T, R, F 10:00-10:50 in GH 227.
Conferences: A01 W 9:00-9:50 in FL311, A02 W 10:00-10:50 in FL311, A03
W 1:00-1:50 in FL311, A04 W 11:00-11:50 in FL311.

Text: There is one required text book for this course, *Discrete Mathematics and its Applications, 7th Edition* by K.H. Rosen. A copy of the textbook will be placed on reserve in the library.

Roughly we will cover the following chapters from the book in this course: 1, 2, 3, 5.1-5.4, 6.1-6.4, 7, 9.1-9.5 and 10.1-10.5. The instructor may supply additional materials to supplement the text.

Goals of the course: This course serves as an introduction to some of the more important concepts, techniques and structures of discrete mathematics, providing a bridge between computer science and mathematics. Topics include functions and relations, sets, counting, graphs, propositional and predicate calculus.

Specific requirements and grading: Each week (usually on Monday), a homework assignment will be given. Each week's homework is to be turned in on Monday at the end of the class. Your average homework grade (dropping the two lowest scores) plus class participation will count 1/3 of your final grade.

You are encouraged to work in groups and talk to other students about the problems. However, the work you hand in must be your own independent write-up.

The other $2/3$ of your final grade will be your two scores in:

- The mid-term exam (Tuesday, September 22), $1/3$ of your final grade and
- The final exam (Thursday, October 15), $1/3$ of your final grade.

There will be no surprise, quickie exams.

LATE WORK WILL NEVER BE ACCEPTED !!!!!!!!