

CS2022/MA2201
Discrete Mathematics
D07

INSTRUCTOR: Stanley Selkow, sms@wpi.edu

Fuller-147, (508)831-5449

Office Hours: M, Tu, Th, F 10:00→11:00 am

TAS AND SAS: Fan Wu, wuf@wpi.edu

Office Hours: M 3:00→5:00 pm, W 2:00→4:00 pm

Mingrui Wei, netwmr01@wpi.edu

Office Hours: Tu,F 3:00→5:00 pm

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Office Hours: M 5:00→7:00 pm, Th - 4:00 → 6:00 pm

All TA/SA Office Hours will be in FL A22. A page describing all the office hours can be found at <http://users.wpi.edu/~piotrm/cs2022/hours.html>.

TEXT: K.H. Rosen, *Discrete Mathematics and Its Applications*,
6th Edition, McGraw-Hill, 2007

GOALS OF COURSE:

- Learn mathematical reasoning-develop the ability to read, understand and construct a mathematical proof.
- Learn algorithmic reasoning-develop the ability to specify a problem mathematically and then design and analyze an algorithm to solve the problem.
- Learn some combinatorial analysis-develop the ability to compute the size of some sets.
- Discrete structures-learn to work with sets, relations, trees, graphs.

EVALUATION FOR GRADING:

Homework - 50%

Assignments and programs are due 10:00 a.m. of the due date.

Since solutions will usually be distributed when homework is collected, late homeworks will be graded, but these grades may not be counted.

Exams - 50%

The two **open-book, open-notes** exams will take place

Thursday, April 5 and Tuesday, May 1.

Any changes in the above schedule will be announced well in advance. There will be no surprise, quickie exams.

Discretion - ?%

The class will be interactive. Numerical final grades which fall on the border between letter grades will be influenced by classroom and conference participation. You are expected to attend your assigned conference, but in case of an occasional conflict you may attend another conference section.

WEB: Our course materials will be available on the Web from the URL:
<http://web.cs.wpi.edu/~sms/cs2022>

MAILING LISTS: Mail sent to cs2022-staff@cs.wpi.edu will be distributed to the TA/SAs and the professor. Mail sent to cs2022-all@cs.wpi.edu will be distributed to the entire class, including the TA/SAs and the professor. In case you're not on this list and want to be added, or if you want to be removed from the list, instructions can be found at <http://www.cs.wpi.edu/Resources/majordomo.html>

CHEATING: Your cooperation in studying the material with other people in the course is encouraged. **However**, your solutions to all homework and exams are your responsibility, and should be done by **you, alone**. WPI's academic policy can be found at <http://www.wpi.edu/Pubs/Policies/Honesty/>