

Syllabus for MA 240, Discrete Mathematics

Instructor: Qinghong Zhang,
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Office Hours: 3:00—5:00 MWRF, and by appointment.

Class Time: MWF, 1:00—1:50
Place: New Science Facility 1205.

Course Description: Logic and proof, Propositional calculus, Algorithm and complexity of algorithms, Mathematical reasoning, induction and recursion, Permutation, Combination and counting techniques. Graph theory and trees.

Prerequisite: CS120 and MA103 or equivalent.

Textbook: Discrete Mathematics and Its Application 5th edition by Kenneth H. Rosen.

Attendance: Students are expected to attend all the classes. Attendance will be taken at the beginning of the class.

Homework, Quizzes and Tests: Homework set will be assigned, collected and graded. I will drop the 2 lowest homework scores. There will be four 50-minute tests tentatively scheduled for 01/30/04, 02/20/04, 03/19/04 and 04/09/04, and a two-hour final exam (04/26/04) during final exam week. Each test counts 15% toward the final grade. The final exam counts 25%. Homework will be the remaining 15% toward the final grade. It is important to take exams and hand in homework at the scheduled time. Generally, no make-ups will be given.

Grading: 90%—100% is an A. 80%—89% is a B, etc.

Disabilities: If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Disability Services Office located in Room 1104 of the University Center (227-1700; TTY 227-1543). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.