

Syllabus for Math 201, Discrete Mathematics

MWF 2:30 (Appleton 217), Fall 2006

Dr. Tamara Veenstra

Contact Information:

Office	Appleton 221	Office Hours
Phone	x8634	MWF: 1:30-2:30; TH: 1-3:30; Others by appointment or
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Prerequisite: A 1.7 or higher in MATH 122 (2.7 or higher recommended) **or** permission.

Text: Discrete Mathematics, Dossey et al, 5th Edition

Course Objectives:

to **understand** concepts and techniques from discrete mathematics (a branch of mathematics entirely different from calculus) including:

- counting techniques: permutations, combinations, combinatorial arguments, etc
- graphs and trees
- algorithms and complexity theory
- mathematical logic and proof
- some applications to cryptography
- to learn basic techniques and a little programming in the mathematics software Maple.

Grading: Homework - 30%
Quizzes - 10%
Exams - 60%

Homework: There will be daily homework assignments consisting of reading and exercises. These will be posted on my website and in blackboard. HW is due at the beginning of class. Late HW will not be accepted. I will drop the 3 lowest HW scores.

Quizzes: There will be quizzes approximately once a week, usually on Friday. There may be additional unannounced (pop) quizzes as necessary. These will cover recent material from class, homework problems, and reading. No makeup quizzes will be given unless arranged prior to the quiz. There will definitely be a quiz on Monday Nov. 20 and an exam on Friday Oct 6. (Don't schedule early departures for your breaks.)

Examinations: There will be 3 in-class exams and a final with each worth 15% of your grade. The in-class exams are scheduled for **Oct. 6, Nov. 3, and Dec. 1**. No make-up exams unless arranged prior to the exam. The final will be comprehensive and is scheduled by the Office of the Registrar for **Wed, Dec. 13** at 6 pm. This examination period cannot be changed.