

Syllabus of 22C:19 Discrete Structures

Department of Computer Science
College of Liberal Arts and Science
University of Iowa,
Fall 2009

Instructor: Hantao Zhang
Office Hours: M.W.F., 1:00-2:00pm
Room: 201B, MLH
Phone: (319) 353 2545
E-mail Address: hzhang@cs.uiowa.edu

Book: Discrete Mathematics with Applications 3/E, by Susanna Epp, 2004 Thomson

Web site: <http://www.cs.uiowa.edu/~hzhang/c19>

DESCRIPTION:

This course is an introduction to Discrete Structures, which is an integral part of the computer science curriculum. In this course, we learn how theory and applications complement each other. We motivate proofs by presenting examples to show their relevance to the concept. Not only do we present proofs, we show how proofs are constructed.

PREREQUISITES: C- or higher in Computer Science I

COURSE ORGANIZATION

- I. Lectures -- 3 hours per week
- II. End-of-Chapter Exercises – to be submitted for grading
- III. Two Midterm Exams
- IV. Final Examination

GENERAL POLICY

You should make every effort to attend all lectures. Exams will be announced approximately one week in advance. It is the responsibility of the student to notify the instructor in advance if the student cannot attend a regularly scheduled exam.

COURTESY

It is expected that students will conduct themselves in a courteous manner to the professor and fellow students. That includes no cell-phone calls, minimal talking in

class, and no other actions that are disruptive to the class. Make every effort to arrive on time to class.

HOMEWORK POLICY

Assignments will normally be due one week after they are assigned and can be submitted either in class or on ICON. No later assignments are accepted without proper reasons.

ATTENDANCE POLICY

Students are expected to attend ALL lecture sessions. Failure to attend may affect your grade. Students are responsible for material covered on the days they miss. Students are encouraged to actively participate in the class in a constructive manner.

GRADING

| | |
|--------------------|------|
| Midterm Exams----- | 40% |
| Homework----- | 24 |
| Attendance----- | 6 |
| Final Exam----- | 30 |
| ----- | |
| | 100% |

MATERIAL COVERED The book contains more material than could possibly be covered in a one-semester course.

Chapters: 1 – 12

2 Midterm Exams

#1 – Chapters 1 – 4

#2 – Chapters 5 – 8

Final Exam – Chapters 1 – 12