

# CS 214 Syllabus and Schedule

## Summer 2005

### Information

**Class:** TH 17:00-19:00

**Location:** TH N326

**Text:** Mathematical Structures for Computer Science,  
Gersting, 5th edition

**Instructor:** Delbert Hart

**Office:** TH N345

**email:** dhart@cs.uah.edu

**www:** <http://www.cs.uah.edu/~dhart/cs214/>

**WebCT:** <http://classweb.uah.edu/>

**Office Hours:** M-Th 16:00-17:00

**Final:** Thursday August 4, 18:30-21:00

### Grading

Grading Scale:

**A:** 90+ **B:** 80-89 **C:** 70-79 **D:** 65-69 **F:** < 65

If you are concerned about your grade contact me  
as early as possible.

### Point Breakdown

Midterm 30%

Final 30%

Project 25%

Quizzes 10%

Participation 5%

The participation grade will be partially dependent  
on class attendance.

Late assignments and quizzes will incur a 10%  
penalty per day late.

### Objectives

At the completion of this course students should be  
able to:

- Apply formal logics to analyzing requirements and programs.
- Perform simple proofs using techniques presented in class.
- Recognize, represent, and perform basic operations on sets, relations, and functions.
- Recognize and represent graphs and apply basic graph algorithms.

### Academic Integrity

The computer science department requires compliance with an examination policy for all tests, including midterms and final exams. A copy of the policy is included with this syllabus. UAH requires students comply with a code of conduct that can be found in the student handbook. You are responsible for being familiar with both policies.

Academic misconduct will result in a failing grade for the course.

### Tentative Course Schedule

Date	Topic
May 31	Intro, Chapter 1.1, 1.2
June 2	Chapter 1.3-1.5
June 7	Chapter 1.6, 2.1-2.4
June 9	Chapter 2.5, 2.6, 3.1
June 14	Chapter 3.2, 3.3
June 16	Chapter 3.4, 3.5
June 21	Chapter 3.6, 4.1
June 23	Chapter 4.2, 4.3
June 28	Chapter 4.4
June 30	Chapter 5.1, 5.2 / Test
July 5	Chapter 5.3, 5.4
July 7	Chapter 6.1, 6.2
July 12	Chapter 6.3
July 14	Chapter 7.1, 7.2
July 19	Chapter 7.3, 8.1
July 21	Chapter 8.2
July 26	Chapter 8.3, 8.4
July 28	Chapter Review
August 4	Final