Class Schedule
3.55–5.10 pm, TTh at 110 Maclean Hall

Instructor
Kasturi Varadarajan: 101E Maclean Hall, 353-2541, kvaradar@cs.uiowa.edu
Office hours: TTh 1.00–2.30 pm

Course Web Page
www.cs.uiowa.edu/~kvaradar/fall2001/algos.html

Departmental Information
Department of Computer Science, 14 Maclean Hall

Teaching Assistant
Raghunathreddy Poreddy: 101A Maclean Hall, 353-2540, rporeddy@cs.uiowa.edu
Office hours: MW 9.00–10.30 am

Textbook
*Introduction to Algorithms*, by Cormen, Leiserson, Rivest, and Stein

Grading
Grading will be based on eight homework assignments, an in-class midterm exam, and an in-class endterm exam. The homeworks will account for 40 percent, the mid-term for 20 percent, and the endterm for 40 percent of the grade. One or two homework assignments will involve programming. No late homework submissions will be accepted. The midterm will be held during class hours (3.55–5.10pm, 110 MLH) on 18th October. The endterm will be as scheduled at 9.45am on Tuesday, 18th December.

Students with disabilities
I need to hear from anyone who has a disability which may require some modification of seating, testing or other class requirements so that appropriate arrangements may be made. Please see me after class or during my office hours.
Topics to be covered

- Mathematical foundations (Chapters 1–4)
- Algorithms for sorting and selection (Chapters 6–9)
- Basic data structures: priority queues, hash tables, binary search trees (Chapters 10–12)
- Algorithm design techniques: greedy method and dynamic programming (Chapters 15–16)
- Graph algorithms (Chapters 22–25)
- NP-completeness (Chapter 34)