Class Schedule
2.30–3.45, TTh at 214 MacLean Hall

Instructor
Kasturi Varadarajan: 101E MacLean Hall, 353-2541, kvaradar@cs.uiowa.edu
Office hours: 3.00–4.00 pm, Monday and Wednesday

Course Web Page
www.cs.uiowa.edu/~kvaradar/sp2006/algos.html

Departmental Information
Department of Computer Science, 14 Maclean Hall. The office of the DEO, Prof. James Cremer, is located here.

Teaching Assistant
To be announced

Content
Our discussion will, after some introduction, revolve around five broad themes – (1) Randomized algorithms (2) greedy algorithms and dynamic programming (3) network optimization - flows, matching, arborescences (4) NP-completeness (5) Approximation or approximate optimization.

Textbook
We will use Algorithm Design, by Kleinberg and Tardos, published by Addison Wesley.

Prerequisites
We will assume an exposure to an algorithms course at the undergraduate level. In particular, we will assume familiarity with basic data structures such as priority heaps and binary search trees, and basic graph algorithms such as breadth-first-search and depth-first-search.
Grading

This will be based on five assignments (40 percent), one of which will involve programming, a midterm exam (25 percent), and an endterm exam (35 percent). The midterm will be held during class hours on Thursday, 9th March.

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.