Algorithms 22C:44 Spring 2001

Professor	Sriram V. Pemmaraju
Class rooms and timings	Section 1: 205 MLH, 1:05-2:20, TTh
	Section 2: 214 MLH, 10:55-12:10, TTh
Office and office hours	101G MLH, 1:30-2:30 M, 2:30-3:30 Th
E-mail and phone	`sriram@cs.uiowa.edu`, 319-353-2956
Course page	`http://www.cs.uiowa.edu/~sriram/44/spring01/index.html`
Textbook	*Introduction to Algorithms*,Cormen, Leiserson, and Rivest.
Grading	7 homeworks at 5% each; Midterm at 30%, and Final at 35%.
Prerequisites	Undergraduate student, and grades C- or above in 22C:30, 22C:34 and 22C:40.

Topics

- Introduction: Chapter 1.
- Mathematical fundamentals: Chapters 2-4
- Sorting: Chapters 7-9
- Selection: Chapter 10.
- Hashing: Chapter 12.

MIDTERM EXAM: Tentatively in the week of March 5-9.

- Dynamic Programming: Chapter 16.
- Greedy Algorithms: Chapter 17
- Basic graph algorithms: Chapter 23.
- More graph algorithms: Chapter 24-26
- NP-completeness: Chapter 36.

FINAL EXAM: May 8, 2001.

Miscellaneous:

- Teaching Assistants: TBA
- 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 of during my office hours.