

CSC 373 H 1 Y — Summer 2006

University of Toronto — St. George Campus

Instructor: Phuong Nguyen

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For e-mails, please include in the subject “CSC373”. Messages without this header may be ignored.

Lectures: Thursday 6–8pm in BA1130

Tutorials: Thursday 8pm in BA 3012 (Family name A-L) and BA 3116 (Family name M-Z).

Instructor Office Hours: W 5-6, R 2-3 (tentative) in BA3234.

Course website: <http://www.cs.toronto.edu/~ntp/373x06/>

Refer to this site frequently for assignments, tests, announcements, etc.

Text: Jon Kleinberg and Éva Tardos

Algorithm Design (2006) by Pearson Education, ISBN: 0-321-29535-8

Reference: Cormen, Leiserson, Rivest, Stein

Introduction to Algorithm (2nd edition). McGraw-Hill (2001), ISBN: 0-07-013151-1

Course Contents (roughly 2 weeks on each topic):

- Greedy algorithms
- Dynamic programming
- Divide and conquer
- Network flow
- Approximation algorithms
- Linear Programming
- Randomized algorithms

Marking Scheme:

- 3 assignments worth 10% each
due *at the beginning* of tutorials on June 8, July 6 and August 3
- 2 closed-book tests worth 15% each, *in lecture room* at 8pm on June 22 and July 20
- final exam worth 40%: *Must obtain at least 40% to pass.*

20% Rule: For a question in assignments, tests or exam: Write “I don’t know” *and nothing else* and receive 20% of the mark.

Test Make-up: No. Take $\min(\text{test}, \text{exam})$.

Late Assignments: Minus 20% of the original mark for each day. *Must contact the instructor.*

Remarking Request: Must be written and handed in *within 2 weeks*.

The work you submit must be your own. You may discuss problems with each others; however, you should prepare written solutions alone. Copying assignments is a serious academic offence, and will be dealt with accordingly.