CS 3510: Design & Analysis of Algorithms (Spr'10)

Class location and time: Klaus 1447, MWF 11:05 - 11:55 am
Instructor : Prasad Tetali, office: Skiles 234, email: tetali@math.gatech.edu
**Office Hours (tentative): Mon. 12-1:30 pm (in Klaus 2115); Thurs. 2-3 pm,
Fri. 4:15-5:15 pm (in Skiles 234)**

Course Syllabus: Chapters 1 thru 9 will be covered from the textbook,
"*Algorithms*," by S. Dasgupta, C. Papadimitriou, and U. Vazirani (McGraw-Hill, 2008).

A draft of this book is available at http://www.cs.berkeley.edu/∼vazirani/algorithms.html
Note that there may not be an exact match of the hw problems and such, since this was a
pre-final draft of the book!

Instructor's course website: http://www.math.gatech.edu/∼tetali/TEACH/CS3510.html
TA Info. and TA's website: To be announced

Course Objective.
  • To develop an understanding of, and an appreciation for, several fundamental algo-
rithms for some of the most commonly encountered computational problems. Emphasis will
be in introducing design paradigms as well as providing insight into the essence of each
algorithm studied.

Hand-outs. Besides the textbook, additional material will be made available as necessary.

Testing. There will be FOUR tests and an (all-inclusive) FINAL exam, all in-class.
Homeworks will be assigned, collected and graded on a regular basis.
Can work together, but must write your own solutions.

Assessment. Homeworks : 10%;   Tests : 60%;   FINAL exam : 30%

• **Test 1** : **February 1st** (Monday);   **Test 2** : **February 24th** (Wednesday);
  Test 3 : **March 17th** (Wednesday); **Test 4** : **April 16th** (Friday)
NO MAKE-UPs!

• **Important Tips**: Feel free to ask questions any time! Make use of office hours!! Feel free
to provide *feedback during the course*, and not wait until the end of the term, but *please do
complete the online survey at the end of the term* !!!