Course: CS 1050 D

Instructor: Prasad Tetali, office: Skiles 234, email: tetali@math.gatech.edu
Office Hours: Mon. Wed. Fri. 2:00 – 3:00pm (tentative)

Website: Go to http://www.math.gatech.edu/~tetali/ and then click under SPR 2006: CS1050

Course Outline:


Please pay attention to class notes though, since treatment might deviate!

Course Objective.

• Introduction to fundamental concepts in Computing and Discrete Math, with special emphasis on (mathematical) Reasoning.

Topics:

• The Logic of Statements
• Methods of Proof
• Very elementary number theory
• Induction
• Sets and Relations
• Functions
• Basics of Counting and Probability
• Recursion
• Efficiency of Algorithms
• Graphs and Trees

Most topics will be discussed for about a week.

General grading policy: Homeworks 25%, Tests Plus Quizzes 40%, Final exam 35%

Grade A: 90% and above, Grade F: 50% and below.

Test 1: Monday, February 6th
Test 2: Wednesday, March 8th
Test 3: Monday, April 10th
Two Quizzes: to be announced later.

No make-up tests or quizzes will be allowed.

Homeworks will be assigned, collected and graded on a weekly basis. You are strongly advised to (attempt to) solve all the homework problems, and to learn the solutions to those missed. It is OK to collaborate in pairs or in a three-some on homeworks, but PLEASE MAKE SURE YOU WRITE YOUR OWN VERSION OF THE SOLUTION.

Late submission of HWs is discouraged with a penalty of 30%.

TA Info. R. Brooks Van Horn is the TA for the class. Brooks’ email: vanhorn@cc.gatech.edu; his office hours: Mon., Wed.: 4:35-5:35 (CoC commons); Thurs.: 1-2 (CoC commons).

Suggestions:

• Please feel free to ask questions at any time: before, after or during the class.
• Please make use of my office hours.
• Class participation and discussion is highly encouraged.