CSE 21—Mathematics for Algorithm and System Analysis
Summer, 2005

Details
Class—MW 5-8PM Center 217B
Discussion—T 3:00-4:00 Center 217B
F 1:00-2:00 Center 217A
Discussion—T 3:00-4:00 Center 217B
F 1:00-2:00 Center 217A
Instructor Neil Rhodes—Office (EBU3B 2208) Hours M/W 3:00-4:00
TA Chris Calabro—Office (EBU1 2609) Hours TH/F 3:00-4:00
ccalabro@cs.ucsd.edu
Homework
Homework is essential to understanding and learning the material. Exams will be similar to the homework problems. Homework will be assigned, but will not be collected or graded. If you’d like your homework to be graded, turn it in to the TA or the Instructor.
Grading
46% Final exam Day 10, Wed. 7/27 5-8PM
40% Two midterms (Day 4 and Day 8) (higher midterm is worth 25%, lower midterm is worth 15%)
14% Quiz comprised of selected homework problems (at beginning of each class). Lowest quiz score dropped
Website http://www.cse.ucsd.edu/classessu05/cse21
Feedback All email correspondence should be sent to the TA.
Objectives This course introduces mathematical tools for the qualitative and quantitative analysis of algorithms and computer systems. It also explores the mathematical theory of discrete structures useful in modeling computational processes and hence in designing the same. Topics to be covered include basic enumeration and counting techniques; recurrence relations; graph theory; asymptotic notation; elementary applied discrete probability. Other related topics will be presented as time permits.