Math 166A - Theory of Computability

Winter 1999 - U.C. San Diego
Instructor: Sam Buss

TEXTBOOK: *Introduction to the Theory of Computation*, M. Sipser.

The course will cover Automata and Regular and Context-free languages (Part I), plus selected topics from Abstract Computability (Part II, Turing machines, etc.) and from Feasible Computability (Part III).

INSTRUCTOR: Sam Buss, sbuss@ucsd.edu, APM 6210, (619)534-6455.
Office hours: Mon 9:00-9:50; and Mon&Wed 1:30-2:30.

GRADING: There will be quizzes, homeworks, one midterm exam and a final exam. The quizzes will be in section on Thursday afternoon; the homeworks will usually be due in class on Fridays; the midterm is tentatively scheduled for February 12.

The grading will be based on each these: Quizzes (10%), Homework (10%), Midterm (30%) and Final (50%). You may drop your lowest two quiz scores, and there will occasionally be "pop" quizes in lecture which do not count towards your final grade. The percentages are approximate and may change slightly (if so, I will announce it).

Homework #1: Read chapter 0. Work the following problems:

Pages 23-25: Problems 0.1, 0.2, 0.3, 0.4, 0.5.
Pages 83-90: Problems 1.1, 1.2, 1.3, and 1.4a,b,c.

Homework #1 due in class, Friday, January 15.