Discrete Mathematics, CSE 20

Syllabus: Spring, 1997

Tenative Midterm schedule:
Midterm 1 [Propositional and Predicate Logic]:

- Covers: Chapters 1,2,3,5.
- Practice, April 28
- Actual, May 5

Midterm 2 [Induction and Loop-Invariants]:

- Covers: Chapter 4
- Practice, May 19
- Actual, May 26

Introduction (1 class), April 1.

Propositional Logic , Boolean Circuits, and Proof formats. 3 classes (Epp, Chapter 1) : April 3,8,10.

Predicate Logic, Quantifiers, and Sets (Epp, Chapter 2, Chapter 3, and Chapter 5), 3 classes: April 15,17,22.

Mathematical Induction and its Variants and Applications (Epp, Chapter 4, Section 3.8, Chapter 9, Sections 2 and 3) 4 classes.

Relations, Partial Orders and Equivalences (Epp, Chapter 10, except 10.4), 2 classes.

Functions; the Pigeonhole-Principle, Cardinality (Epp, Chapter 7 except 7.2,) 2 classes.

Finite State Machines (Epp, Section 7.2, Section 10.4), 1 class