

COURSE NUMBER: MATH 266
COURSE NAME: Discrete Mathematical Structures
CREDIT HOURS: 5 hours (5 lecture, 0 lab)
QUARTERS OFFERED: W, SP, SU

PREREQUISITE

MATH 152 with a grade of "C" or higher.

COURSE DESCRIPTION

Mathematical formalization and reasoning, logic, sets, functions; methods of proof, mathematical induction, recursive definitions; elementary counting techniques, probability; relations, equivalence relations; Boolean algebra, logic gates.

GOALS AND/OR OBJECTIVES

To provide the foundation for a deeper understanding of the conceptual tools used in computer science. Introduces students to abstract systems and mathematical proofs in a rigorous way.

TEXTBOOK & SPECIAL COURSE REQUIREMENTS

Discrete Mathematics and its Applications, 6th edition, Rosen, McGraw-Hill, 2007.
A scientific calculator; the TI 83 is highly recommended.