MATH S-104. Discrete Mathematics with Computer Science Applications (CRN: 31643)

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An introduction to topics in discrete mathematics that are useful in computer science: mathematical logic, set theory, induction, recursion, combinatorics, relations and functions, and graphs. Includes an introduction to algorithm analysis and techniques for proving correctness of programs. Practical programming examples, as well as proof of relevant theorems, will be discussed. The course is intended both for beginning students of computer science and for computer professionals.