# CMSC 203: Discrete Structures

***This detailed course description provides information about course topics & content. It is not a course syllabus. Summer 2013 course syllabi are updated in the spring, and may not be available until summer classes begin.***

## Instructor Information

| Instructor | Email | Course Format | Number of Credits |
|---|---|---|---|
| Yatish Joshi | yjoshi1@umbc.edu | Lecture | 3 |

## General Information

**Delivery Format**

In-Person

**Prerequisite /Co-requisite:** NA

## Course Materials

**Currently Used Materials**

• Discrete Mathematics and Its Applications by Kenneth Rosen (7th Edition)

## Course Objectives/Learning Outcomes:

This course introduces the fundamental tools, topics and concepts of discrete mathematics needed to study computer science. This course emphasizes counting methods, proof techniques and problem solving strategies.

## Potential Topics Covered:

Topics include logic, proof methods, algorithms, number theory, matrices, mathematical induction, sets, functions, sequences, relations, counting, probability, recurrence relations, recursion, Boolean algebra, and graphs.