

# COURSE DETAIL

## DISCRETE MATHEMATICS

**Country**

Korea, South

**Host Institution**

Seoul National University

**Program(s)**

Seoul National University

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Mathematics

**UCEAP Course Number**

10

**UCEAP Course Suffix****UCEAP Official Title**

DISCRETE MATHEMATICS

**UCEAP Transcript Title**

DISCRETE MATHEMATICS

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## **Course Description**

This introductory course covers mathematical topics closely related to computer science. Topics include: logic, sets, functions, relations, countability, combinatorics, proof techniques, mathematical induction, recursion, recurrence relations, graph theory, and number theory. The course emphasizes the context and applications of these concepts within computer science. Prerequisites: No prior programming experience is assumed.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

4190.101

### **Host Institution Course Title**

DISCRETE MATHEMATICS

### **Host Institution Course Details**

#### **Host Institution Campus**

#### **Host Institution Faculty**

#### **Host Institution Degree**

#### **Host Institution Department**

#### **Course Last Reviewed**

2024-2025

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