

# COURSE DETAIL

## COMPETITIVE PROGRAMMING

**Country**

Hong Kong

**Host Institution**

Chinese University of Hong Kong

**Program(s)**

Chinese University of Hong Kong

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

138

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

COMPETITIVE PROGRAMMING

**UCEAP Transcript Title**

COMPETITIVE PROGRAM

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course examines the data structures and algorithms useful in programming competitions and technical interviews. Topics include but are not limited to advanced data structures, advanced search algorithms, decomposition techniques, combinatorial games, basic computational geometry, and basic number theory.

### Language(s) of Instruction

English

### Host Institution Course Number

CSCI2740

### Host Institution Course Title

COMPETITIVE PROGRAMMING

### Host Institution Course Details

<http://course.cse.cuhk.edu.hk/~csci2740/>

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

### Course Last Reviewed

2024-2025

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