COURSE DETAIL

DESIGN AND ANALYSIS OF ALGORITHMS
Country Hong Kong
Host Institution University of Hong Kong
Program(s) University of Hong Kong
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 125
UCEAP Course Suffix
UCEAP Official Title DESIGN AND ANALYSIS OF ALGORITHMS
UCEAP Transcript Title ANALYSIS ALGORITHMS
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description
The course studies various algorithm design techniques, such as divide and conquer, and dynamic programming. These techniques are applied to design highly non-trivial algorithms from various areas of computer science. Topics include: advanced data structures; graph algorithms; searching algorithms; geometric algorithms; overview of NP-complete problems. Assessment: final exam, continuous assessment.

Language(s) of Instruction
English

Host Institution Course Number
COMP3250/CSIS0250

Host Institution Course Title
DESIGN AND ANALYSIS OF ALGORITHMS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed
2023-2024

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