COURSE DETAIL

ALGORITHM ANALYSIS AND DESIGN

Country
China

Host Institution
Fudan University

Program(s)
Fudan University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
157

UCEAP Course Suffix

UCEAP Official Title
ALGORITHM ANALYSIS AND DESIGN

UCEAP Transcript Title
ALGORTH ANALYS&DES

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description

This course examines the method and process of problem analysis and mathematical model establishment; the algorithm design strategy and its key points--recursion, brute force, divide and conquer, greed, dynamic programming, backtracking and branch and bound, random, approximation, etc.; and the expression of algorithm complexity and the basic method of complexity analysis.

Language(s) of Instruction
Chinese

Host Institution Course Number
INFO130057

Host Institution Course Title
ALGORITHM ANALYSIS AND DESIGN

Host Institution Course Details

Host Institution Campus

Host Institution Faculty
NI Weiming

Host Institution Degree

Host Institution Department
Information Science and Technology

Course Last Reviewed
2021-2022