COURSE DETAIL

ALGORITHM DESIGN Country Australia **Host Institution** University of Sydney Program(s) University of Sydney **UCEAP Course Level Upper Division UCEAP Subject Area(s)** Computer Science **UCEAP Course Number** 127 **UCEAP Course Suffix UCEAP Official Title** ALGORITHM DESIGN **UCEAP Transcript Title ALGORITHM DESIGN UCEAP Quarter Units** 6.00 **UCEAP Semester Units** 4.00

Course Description

This course provides an introduction to the design techniques that are used to find efficient algorithmic solutions for given problems. The techniques covered include greedy, divide-and-conquer, dynamic programming, and adjusting flows in networks. The course extends skills in algorithm analysis as well as provides an introduction to the concepts of computational complexity and reductions between problems.

Language(s) of Instruction

English

Host Institution Course Number

COMP3027

Host Institution Course Title

ALGORITHM DESIGN

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

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