

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 Course Details**Host Institution Campus****Host Institution Faculty****Host Institution Degree****Host Institution Department**

Computer Science

Course Last Reviewed

[Print](#)