

# COURSE DETAIL

## FOUNDATIONS OF ALGORITHMS

**Country**

Australia

**Host Institution**

University of Melbourne

**Program(s)**

University of Melbourne

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

12

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

FOUNDATIONS OF ALGORITHMS

**UCEAP Transcript Title**

ALGORITHMS

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

In many projects, it is important for programmers to have fine control over low-level details of program execution, and to be able to assess the cost of a design decision on likely overall program performance. This course introduces students to a system programming language that gives programmers this kind of control, explores a range of standard data structures and algorithmic techniques, and shows how to apply them to frequently encountered problems.

### Language(s) of Instruction

English

### Host Institution Course Number

COMP10002

### Host Institution Course Title

FOUNDATIONS OF ALGORITHMS

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

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