

COURSE DETAIL

THEORETICAL COMPUTER SCIENCE

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

Scottish Universities, University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

110

UCEAP Course Suffix**UCEAP Official Title**

THEORETICAL COMPUTER SCIENCE

UCEAP Transcript Title

THEORETICL COMP SCI

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This course introduces the fundamental concepts of the theory of computer science. What does "computing" mean? Are all "computers" basically the same? Can we tell whether our programs are "correct" - and what does "correct" mean? Can we solve problems in reasonable time, and can we tell whether we can? The course concentrates primarily on conceptual understanding, but adds enough detail to allow students to go on to further courses, and it illustrates how the fundamental concepts are reflected throughout the discipline.

Language(s) of Instruction

English

Host Institution Course Number

INFR10059

Host Institution Course Title

THEORETICAL COMPUTER SCIENCE

Host Institution Course Details**Host Institution Campus**

Edinburgh

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Informatics

Course Last Reviewed

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