

COURSE DETAIL

COMPILING TECHNIQUES

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

115

UCEAP Course Suffix**UCEAP Official Title**

COMPILING TECHNIQUES

UCEAP Transcript Title

COMPILING TECHNIQUE

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course describes the phases of a modern programming language compiler with an emphasis on widely used techniques. The course project requires students to implement a complete compiler for a simple educational programming language targeting an abstract machine such as the JVM. On completion of this course, the student is able to analyze compilation tasks and apply standard compilation techniques; develop, implement, and apply modifications to standard compilation techniques and algorithms wherever this is necessary; and understand and implement design decisions in modern compilers.

Language(s) of Instruction

English

Host Institution Course Number

INFR10065

Host Institution Course Title

COMPILING TECHNIQUES

Host Institution Campus

Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department

Informatics

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