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 Course Details
https://www.ed.ac.uk/global/study-abroad/course/index.php?submitted=yes&showadv...

Host Institution Campus
Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department
Informatics

Course Last Reviewed
2021-2022

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