

COURSE DETAIL

COMPILERS

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering Computer Science

UCEAP Course Number

112

UCEAP Course Suffix**UCEAP Official Title**

COMPILERS

UCEAP Transcript Title

COMPILERS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course covers compiler construction: the main phases in a compiler like scanning, parsing, static-semantic analysis, and code generation; compiler formalisms like context-free grammars and attribute grammars; compiler tools like parser generators and static aspect-oriented programming; program representations like abstract syntax trees and intermediate code; and run-time systems that handle programs during execution. Lab course includes implementation of a small compiler. The course makes use of the compiler generation tool JastAdd.

Language(s) of Instruction

English

Host Institution Course Number

EDAN65

Host Institution Course Title

COMPILERS

Host Institution Campus

Host Institution Faculty

Engineering

Host Institution Degree

Host Institution Department

Engineering- Computer Science

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