

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 Course Details

<https://fileadmin.cs.lth.se/cs/Education/EDAN65/2022/web/index.html>

Host Institution Campus

Host Institution Faculty

Engineering

Host Institution Degree

Host Institution Department

Engineering- Computer Science

Course Last Reviewed

2022-2023

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