

# 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

[Print](#)