COURSE DETAIL

PROGRAM ANALYSIS AND TRANSFORMATION
Country Denmark
Host Institution University of Copenhagen
Program(s) University of Copenhagen
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 152
UCEAP Course Suffix
UCEAP Official Title PROGRAM ANALYSIS AND TRANSFORMATION
UCEAP Transcript Title PROGRAM ANLYS&TRANS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course introduces students to the principles and practice of automated program processing, covering both mainstream application areas, and selected more exotic applications. It covers program transformation and analysis paradigms; applications areas of automated program analysis, such as optimisation, verification, and specialization of programs; principles of semantics-based program transformation; applications of program transformation, such as translation, synthesis, and maintenance; software systems and tools supporting analyses and transformations; selected examples of advanced analyses and/or transformations.

Language(s) of Instruction
English

Host Institution Course Number
NDAK16005U

Host Institution Course Title
PROGRAM ANALYSIS AND TRANSFORMATION

Host Institution Course Details
https://kurser.ku.dk/course/ndak16005u/2025-2026

Host Institution Campus

Host Institution Faculty
Science

Host Institution Degree
Master

Host Institution Department
Computer Science

Course Last Reviewed
2025-2026

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