COURSE DETAIL

PROGRAMMING LANGUAGE DESIGN
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 110
UCEAP Course Suffix
UCEAP Official Title PROGRAMMING LANGUAGE DESIGN
UCEAP Transcript Title PROGRAM LANG DESIGN
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
The course explores the design space of programming languages and how the design choices affect implementation and other properties of the language. A brief history of programming languages is presented and a selected set of features are explored with respect to design choices, how they interact, and how they can be implemented. The course gives the student an understanding of the programming-language landscape that is helpful when the student designs and implements programming languages. The following topics are covered: implementation strategies, syntax, memory management, scope rules, control structures, types, language paradigms, modules, semantics, domain-specific languages, and computational power of languages.

Language(s) of Instruction
English

Host Institution Course Number
NDAB16008U

Host Institution Course Title
PROGRAMMING LANGUAGE DESIGN

Host Institution Course Details

Host Institution Campus
Science

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed

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