COURSE DETAIL

FUNCTIONAL PROGRAMMING
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 155
UCEAP Course Suffix
UCEAP Official Title FUNCTIONAL PROGRAMMING
UCEAP Transcript Title FUNCTNL PROGRAMMING
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

The course gives an insight into how functional programming often offers a possibility to write shorter and easier-to-understand programs than using the traditional imperative or object-oriented approaches. Course content includes the philosophy of functional languages, the programming language Haskell, language constructs and idioms, higher-order functions, lazy evaluation and infinite data structures, monads and monadic computations polymorphic type systems and type classes, and type analysis and type inference.

Language(s) of Instruction
English

Host Institution Course Number
EDAN40

Host Institution Course Title
FUNCTIONAL PROGRAMMING

Host Institution Course Details
https://kurser.lth.se/lot/course-syllabus/23_24/EDAN40

Host Institution Campus
Engineering

Host Institution Faculty
Engineering - Computer Science

Host Institution Degree

Host Institution Department

Course Last Reviewed
2022-2023

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