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 Campus
Engineering

Host Institution Faculty
Engineering - Computer Science

Host Institution Degree

Host Institution Department

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