COURSE DETAIL

DISCRETE STRUCTURES
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 121
UCEAP Course Suffix
UCEAP Official Title DISCRETE STRUCTURES
UCEAP Transcript Title DISCRETE STRUCTURES
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

The course is intended to introduce some basic formal concepts and terminology pervading all areas of computer science, and to establish a common lexicon, including notational conventions and nomenclature, that subsequent courses can build upon. This includes an introduction to abstract set theory, relations, functions, ordered sets, Boolean algebra, logic, and proof techniques, as well as structures such as graphs and trees. Furthermore, the course discusses basic algorithms on graphs, an introduction to combinatorics, some fundamental proof strategies, and basic order structures such as lattices and complete partial orders (CPOs).

Language(s) of Instruction
English

Host Institution Course Number
EDAA75

Host Institution Course Title
DISCRETE STRUCTURES

Host Institution Course Details
https://kurser.lth.se/lot/course-syllabus/23_24/EDAA75

Host Institution Campus
Lund

Host Institution Faculty
Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed
2022-2023

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