COURSE DETAIL

CONCURRENT 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
133

UCEAP Course Suffix

UCEAP Official Title
CONCURRENT PROGRAMMING

UCEAP Transcript Title
CONCRNT PROGRAMMING

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

This course covers concurrent activities, busy-wait and polling, synchronization and communication, atomic operations such as test-and-set, and mutual exclusion. Central aspects of the Java concurrent package, such as locks, semaphores, thread pools, tasks, and blocking queues are also reviewed. The course concludes with an overview of multicore hardware, real-time operating systems, and scheduling. Entry requirements include Programming and a second course in Java.

Language(s) of Instruction
English

Host Institution Course Number
EDAP10

Host Institution Course Title
CONCURRENT PROGRAMMING

Host Institution Course Details
https://kurser.lth.se/kursplaner/senaste-en/EDAP10.html

Host Institution Campus
Lund University

Host Institution Faculty

Host Institution Degree

Host Institution Department
Engineering - Computer Science

Course Last Reviewed
2025-2026

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