

COURSE DETAIL

PARALLEL AND CONCURRENT PROGRAMMING

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

112

UCEAP Course Suffix**UCEAP Official Title**

PARALLEL AND CONCURRENT PROGRAMMING

UCEAP Transcript Title

CONCURRENT PROGRAM

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces the design, development and debugging of parallel programs. It builds on the concurrency concepts gained from the Operating Systems course. It covers concepts and modelling tools for specifying and reasoning (about the properties of) concurrent systems and parallel programs. It also covers principles of performance analysis, asynchronous and asynchronous parallel programming, and engineering concurrent systems and parallel programs. This course requires prerequisites.

Language(s) of Instruction

English

Host Institution Course Number

CS3211

Host Institution Course Title

PARALLEL AND CONCURRENT PROGRAMMING

Host Institution Course Details

<https://nusmods.com/courses/CS3211/parallel-and-concurrent-programming>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

Course Last Reviewed

2024-2025

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