

COURSE DETAIL

OPERATING SYSTEMS

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

103

UCEAP Course Suffix**UCEAP Official Title**

OPERATING SYSTEMS

UCEAP Transcript Title

OPERATING SYSTEMS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces the basic concepts, principles, and pragmatics of operating systems. Focus is on four major areas: processes, memory, file systems, and devices. Topics include processes and threads, mechanisms for concurrency and synchronization, process scheduling and deadlock, paging and segmentation, virtual memory, file system organization, and device characteristics and drivers. The architecture and design of operating systems are considered with practical examples and implementations of such mechanisms from operating systems such as Unix/Linux.

Language(s) of Instruction

English

Host Institution Course Number

CS2106

Host Institution Course Title

OPERATING SYSTEMS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

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