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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed

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