COURSE DETAIL

COMPUTER ORGANIZATION
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 107
UCEAP Course Suffix
UCEAP Official Title COMPUTER ORGANIZATION
UCEAP Transcript Title COMPUTER ORGANIZATN
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course teaches the fundamentals of computing devices. The course covers basics of data representation and how the various parts of a computer work, separately and with each other. This provides understanding of the issues in computing devices, and how these issues affect the implementation of solutions. Topics covered include data representation systems, combinational and sequential circuit design techniques, assembly language, processor execution cycles, pipelining, memory hierarchy and input/output systems.

Language(s) of Instruction
English

Host Institution Course Number
CS2100

Host Institution Course Title
COMPUTER ORGANISATION

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed
2023-2024

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