COURSE DETAIL

COMPUTER ORGANIZATION

Country
Hong Kong

Host Institution
Hong Kong University of Science and Technology (HKUST)

Program(s)
Hong Kong University of Science and Technology

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
106

UCEAP Course Suffix

UCEAP Official Title
COMPUTER ORGANIZATION

UCEAP Transcript Title
COMPUTER ORG

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

Inner workings of modern digital computer systems and tradeoffs at the hardware-software interface. Topics include: instructions set design, memory systems, input-output systems, interrupts and exceptions, pipelining, performance and cost analysis, assembly language programming, and a survey of advanced architectures.

Language(s) of Instruction

English

Host Institution Course Number

COMP2611

Host Institution Course Title

COMPUTER ORGANIZATION

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science and Engineering

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