

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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