

# 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 Course Details****Host Institution Campus****Host Institution Faculty****Host Institution Degree****Host Institution Department**

Computer Science and Engineering

**Course Last Reviewed**

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