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

Print