COURSE DETAIL

ARCHITECTURE OF COMPUTERS

Country
Korea, South

Host Institution
Yonsei University

Program(s)
Yonsei University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
116

UCEAP Course Suffix

UCEAP Official Title
ARCHITECTURE OF COMPUTERS

UCEAP Transcript Title
ARCHITECTURE OF COM

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description

This course explores the fundamental structure and design principles of computer systems. It covers key topics such as computer abstraction and technology, instruction set architecture, arithmetic for computers, processor design, memory hierarchy, and parallel processing. Special emphasis is placed on understanding modern computer architecture trends, high-performance computing, and AI accelerators. By the end of this course, students gain a deep understanding of the interaction between hardware and software and develop essential skills for performance optimization.

Language(s) of Instruction
English

Host Institution Course Number
CAS3102

Host Institution Course Title
ARCHITECTURE OF COMPUTERS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2025-2026

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