

COURSE DETAIL

COMPUTER NETWORK

Country

Korea, South

Host Institution

Seoul National University

Program(s)

Seoul National University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

124

UCEAP Course Suffix**UCEAP Official Title**

COMPUTER NETWORK

UCEAP Transcript Title

COMPUTER NETWORK

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This advanced undergraduate course delves deeply into Internet technology. It covers the structure of the Internet and its protocol applications in detail. Students examine the basic design principles, implementation, and operating principles of computer networks used in modern Internet and cloud/data centers, and study in detail the design principles and functions of the transport layer, network layer, link layer, and physical layer, including client-server models, web, video streaming, and smart phone network applications. If time permits, the course includes ultra-low latency/ultra-bandwidth networking issues in data centers. An understanding of the OSI protocol and basic concepts of data communication is required.

Language(s) of Instruction

English

Host Institution Course Number

4190.411 001

Host Institution Course Title

COMPUTER NETWORK

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2024-2025

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