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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