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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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