

# 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

[Print](#)