

# COURSE DETAIL

## NETWORKS AND COMMUNICATIONS

**Country**

United Kingdom - England

**Host Institution**

Imperial College London

**Program(s)**

Imperial College London

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

115

**UCEAP Course Suffix****UCEAP Official Title**

NETWORKS AND COMMUNICATIONS

**UCEAP Transcript Title**

NETWORKS&COMMUNICTN

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course studies networks and communications. It focuses on learning about applications of computer communications and types of data, channels, bit rate and network topologies, LANs, MANs and WANs, broadcast and point-to-point, and synchronous and asynchronous communication. Students also examine connection-oriented and connectionless communication; theoretical capacity of channels (Shannon's law and the Nyquist relationship); multiplexing; queuing theory; computer communication system architectures; the OSI reference model; and the seven layer model.

## Language(s) of Instruction

English

## Host Institution Course Number

COMP95003

## Host Institution Course Title

NETWORKS AND COMMUNICATIONS

## Host Institution Course Details

## Host Institution Campus

Imperial College London

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Department of Computing

## Course Last Reviewed

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