COURSE DETAIL

COMPUTER NETWORKS
Country Singapore
Host Institution National University of Singapore
Program(s) National University of Singapore
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Electrical Engineering
UCEAP Course Number 142
UCEAP Course Suffix
UCEAP Official Title COMPUTER NETWORKS
UCEAP Transcript Title COMPUTER NETWORKS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course provides an in-depth treatment of fundamental topics of network design based on the Internet protocol stack model. It introduces how networks work through understanding of the underlying principles of sound network design. This course covers topics including network requirements, architecture, protocol stack models, Ethernet Token Ring, Wireless, and FDDI networks, bridges, switching and routing in IP and ATM networks, and internetworking. Apart from learning the concepts in networks, the students gain expertise in analyzing and designing networking protocols through mini-projects. The course requires students to take prerequisites.

Language(s) of Instruction
English

Host Institution Course Number
EE4204

Host Institution Course Title
COMPUTER NETWORKS

Host Institution Course Details
https://nusmods.com/courses/EE4204/computer-networks

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Electrical & Computer Engineering

Course Last Reviewed
2024-2025

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