COURSE DETAIL

COMPUTER NETWORKS I

Country
Sweden

Host Institution
Uppsala University

Program(s)
Uppsala University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
113

UCEAP Course Suffix

UCEAP Official Title
COMPUTER NETWORKS I

UCEAP Transcript Title
COMPUTER NETWORK I

UCEAP Quarter Units
4.00

UCEAP Semester Units
2.70

Course Description

This course focuses on the way that data is transferred between computers. Data network performance and other characteristics are also part of the course. The course is divided into a theoretical and a practical part. The theoretical part consists of introduction to Internetworking, communicating applications, data transport, core Internet protocols (TCP, UDP, IP, ICMP), introduction to routing and forwarding, Ethernet and other physical technologies, common tools for network debugging, and introduction to data security. The practical part consists of exploring the network, data transport in practice, and setting up a small network.

Language(s) of Instruction

English

Host Institution Course Number

1DT052

Host Institution Course Title

COMPUTER NETWORKS I

Host Institution Campus

Faculty of Science and Technology

Host Institution Faculty

Host Institution Degree

Host Institution Department

Information Technology

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