

# CS 542: Computer Networks I: Fundamentals

## Objectives

- Provide the student with an overall perspective of computer networking by reinforcing and broadening the fundamental network concepts in the context of the Internet.
- The focus is on how the components fit together, the design issues, and the choices made at the various levels.

## Prerequisites

- CS 455.

## Syllabus

- Computer networks and the Internet
- Application layer
- Transport layer
- Network layer
- Link layer and LANs
- Wireless and mobile networks
- Multimedia networking
- Security in computer networks
- Network management

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