Computer Networks

Lecturer: Assoc.Prof.Trương Diệu Linh
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ONE LOVE. ONE FUTURE.

About the course

- Lecturer:
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  - Website of the course: http://users.soict.hust.edu.vn/linhtd

- Some contents are taken from the lecture notes of other lecturers.

Objective of the course

- Provide students with basic knowledge of computer networks

- Explain deeply about the modern network technologies mostly Internet.

- Helps students to use Internet efficiently and capable to deploy new technologies and services.

- Allows students to update easily knowledge about computer networks later.

Course plan

1. Lecture 1,2   Concept of computer networks.
2. Lecture 3,4   Physical layer, Signal modulation
3. Lecture 5,6,7   Datalink layer, LAN
4. Lecture 8,9,10,11   Network layer- IP, Routing protocols
5. Lecture 12,13 Transport layer
6. Lecture 14,15 Application layer

Evaluation

Components of final grade

- Midterm test   20%
- Lab   30%
- Final test   50%

Reference documents

- Data and Computer Communications, William Stallings, 8th Edition

- Andrew S. Tanenbaum. Computer Networks. Prentice Hall, 5th edition.

- *Mạng máy tính và các hệ thống mở*, Nguyễn Thúc Hải, NXB Giáo Dục, 2000

- Computer Networks: A Systems Approach, Larry Peterson and Bruce Davie
  - Open sourced document: https://book.systemsapproach.org/index.html