

204325 Data Communication and Computer Networks

Semester: 2nd semester of Year 2002

Class: Friday 09:00-12:00, Room E1506

Prerequisite: 204321 (Com Architecture), 204371 (Transform Tech.)

Class Website: <http://www.cpe.ku.ac.th/~anan/>

Instructor: Dr. Anan Phonphoem

Email: anan@cpe.ku.ac.th

Office: Building #1, Room #1505

Telephone: 942-8555 ext. 1428

Office Hours: Wednesday 08:30 – 10:00 and Thursday 11:30 – 13:00 or by appointment

Course Description

Introduction to networking technologies; OSI model; Signals; Encoding and Modulating; Transmission of Digital Data; Transmission media; Multiplexing; Error Detection and Correction; Data link; LAN; Switching; TCP/IP; ATM

Course Goal

The goal is meant to be an overview of Data communication and Networks course. The student should be able to understand the principle of the Data Communications, the need of the protocol, network architectures, and internetworking concepts.

Course Textbook

- “Data Communications and Networking,” 2nd Edition, By **Behrouz A. Forouzan**, McGraw-Hill, 2000

Supplementary Textbook

- “Computer Networks and Internets,” 2nd Edition, By **Comer**, Prentice Hall, 1999
- “Computer Networks: A System Approach,” 2nd Edition, By **Larry L. Peterson & Bruce S. Davie**, MorGan Kuafmann Publishers, 2000
- “Data and Computer Communications,” 4th Edition, By **William Stallings**, MacMillan, 1994

Grading Policy

- Final 30 %
- Midterm 30 %
- Quizzes 20 %
- Lab and Assignment 15 %
- In-class participation 5 %

Note

- Late assignment will not be graded.