

CN443 Advanced Topics in Data Communications and computer Networks

Semester: 2009/1
Prerequisite: none
Homepage: <http://piya.ee.engr.tu.ac.th/>
Instructor: Dr. Piya Techateerawat

Course Description:

Routing Protocols. Multicast and broadcast routing. Wireless networks and mobile systems. Multimedia networking. Security in computer networks. Network Management. Quality-of-Services (QoS) Networks.

Tentative Teaching Schedule:

Lecture	Course Topics
1	Data Communications and networking basics
2	Telephone networks and modems
3	Local Area Networks and Intranets
4	Wireless networks
5 – 6	Internet Protocol and Routing Protocol
7	Review + Presentation
8	Transport Protocols + Case Study
9	QoS
10	Internet Applications
11	Network Security
12	Presentation #1
13	Presentation #2
14	Review

Textbooks:

- Fred Halsall, Computer Networking and the Internet, Addison Wesley, 5ed.

Course Assessment:

1.	Class Participation	10%
2.	Projects and Reports	30%
3.	Midterm Exam	30%
4.	Final Exam	30%

Evaluation:

[80, 100]	A
[75, 80)	B+
[70, 75)	B
[65, 70)	C+
[60, 65)	C
[55, 60)	D+
[50, 55)	D
[0, 50)	F