

204426 Network Configurations 3(2-3)

1st semester 2009

Instructor Information

Instructor: Asso. Prof. Dr. Anan Phonphoem
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Course Information

Class Time: Thu 10 – 12 : Online Exam; Lecture; Talk Lab; and Last week Lab summarization
Thu 1 – 4: Lab practice
Location: Building 15, Room 603
Class URL: <http://course.ku.ac.th> (Class material, on-line HW submission)
<http://kunetlab2.cpe.ku.ac.th> (On-line curriculum material)
<http://cisco.netacad.net> (On-line Assessment)
Prerequisite: 204422 Computer Network Laboratory

Course Description: This course will mostly concern in the laboratory experiments (Hand-on) on topics covered in Data Communications and computer networks (Part II). The topics are TCP/IP and addressing; Wide Area Network; Routing Protocol; Advanced Router configuration; Virtual LAN configuration; WAN design; Network Troubleshooting.

Course Objective: Students experience in the hand-on and laboratory experiments on Computer Communication and Network topics. Also students have to pass the online tests.

Text Book: Instructor slide (Data communication Textbook and Computer Network Textbook).
Supplement: CCNA course material from Cisco

Grades

Assignments:	10 %
Weekly On-line Exam:	10 %
Practical Midterm Exam:	30 %
On-line Midterm Exam:	10 %
Practical Final Exam:	30 %
On-line Final Exam:	10 %

Grading Policy

- Your Grade is based on the overall class performance
- An “F” grade will be given to any form of cheating (for all partners)
- If you miss more than 2 classes, you are not allowed to take the practical exams
- More than 30 min. late is considered as a missing class
- You are not allowed to take the exam (or quiz) if > 15 min late
- All exams are allowed only for students physically present in the lab during the exam period
- Make-up exam will only be provided only for restrict circumstances (e.g. severe illness)

Assignment Policy

- No Late assignment will be graded
- No credit for copying assignment (all copies) and considered as cheating tendency

Tentative Course Schedule

Week	Description	On-line Exam
1	Equipment Check-up	Registration
2	Router Configuration Review (RIP, OSPF)	M3: Chapter 1
3	Basic Switch configuration	M3: Chapter 2
4	VLAN configuration	M3: Chapter 3
5	VLAN Trunking Protocol (VTP) & Spanning Tree Protocol (STP)	M3: Chapter 4 - 5
6	Inter-VLAN Routing	M3: Chapter 6
7	WLAN	M3: Chapter 7
8	Midterm Exam	On-line Final Module 3 Exam
9	PPP	M4: Chapter 1 - 2
10	Frame Relay	M4: Chapter 3
11	Basic network security	M4: Chapter 4
12	Access Control List (ACL)	M4: Chapter 5
13	DHCP & NAT	M4: Chapter 6 - 7
14	Basic Routing for non-Cisco Router	M4: Chapter 8
15	Interoperability Routing (Cisco-3Com-Huawei)	On-line Final Module 4 Exam
16	Final Exam	