

01204426 Network Configurations 3(2-3)

1st Semester 2012

Instructor Information

Instructor: Dr. Aphirak Jansang (อ.ดร.อภิรักษ์ จันทร์สร้าง)
Office: Building 15, Room # 316, #710 (IWING Lab)
Office Hours: TBA (Walk-In) or by appointment
Tel. No.: 02-942-8555 ext 1436
Email: aphirak.j@ku.ac.th
URL: <http://www.cpe.ku.ac.th/~aphirak/> ; <http://aphirak.jansang.in.th>

Instructor Information

Instructor: Assoc. Prof. Dr. Anan Phonphoem (อ.ดร.อนันต์ ผลเพิ่ม)
Office: Building 15, Room # 407, #710 (IWING Lab)
Office Hours: TBA (Walk-In) or by appointment
Tel. No.: 02-942-8555 ext 1428
Email: anan.p@ku.ac.th
URL: <http://www.cpe.ku.ac.th/~anan/> ; <http://anan.phonphoem.in.th>

Course Information

Class Time: Section 1&2: Thu 1 – 3 PM
Lab: Section 11: Fri 9 – 12 AM
Section 12: Fri 1- 4 PM
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

Lab Report & Assignment:	10 %	Weekly On-line Exam:	5 %
Practical Midterm Exam:	30 %	On-line Midterm Exam:	10 %
Practical Final Exam:	35 %	On-line Final Exam:	10 %

Attendance Score

Description	Score (0 – 1)
0 – 15 min	1
15.01 – 100 min	$(100 - \text{MinLate})/100$
> 100 min	0
If missing class	
• with “letter of leave of absence in advanced”	0.5
• without “letter of leave of absence in advanced”	0

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