

## CN320 Computer Network Configuration

### Course Description

Fundamental concepts for network configuration and design. Topics include fundamentals of TCP/IP network, packet capture and monitoring, operation with networking equipments such as router, IP routing, virtual LAN, IP access control, network address translation and basic network design.

### Teaching Schedule:

Week	Course Topics
1	Introduction, Exploring the Network
2	Configuring a Network Operating System
3	Network Access, Ethernet
4	Network Layer, Transport Layer
5	IP addressing
6	Subnetting IP Networks
7	Application Layer
8	สอบกลางภาค
9	Basic Switches and Configuration
10	VLANs
11	Routing Concepts, Inter-VLAN Routing
12	Static Routing
13	Routing Dynamically, Single-Area OSPF
14	Access Control Lists
15	DHCP, Network Address Translation for IPv4

### Reference:

<https://www.netacad.com/>

### Course Assessment:

Examination: Midterm 25 %

Final 25 %

Assignment: 50 %

### Course Evaluation:

A	[86,100]
B+	[80,86)
B	[74,80)
C+	[68,74)
C	[62,68)
D+	[56,62)
D	[50,56)
F	[0,50)