



Lecture (00) About Computer Networks I Course

By:

Dr. Ahmed ElShafee

Dr. Ahmed ElShafee, ACU : Fall 2016, Networks I

General information

Course name, Code	Network I
Pre-requisite	Data Communication
Credit hours	3
Number of lectures	12
Laboratories	6 (bi-weekly)
Date, time, place	Sunday, 09:00 AM ~ 12:00 PM B3 Hall8
Text book	Data Communications and networking Fourth Edition Forouzan

Email	email@draelshafee.net
Presentations and materials	www.aelshafee.net

Grading scheme

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item	Grade
Final	40
Midterm 1	15
Midterm 2	15
laboratories	$(6*10)/6 = 10$
attendance	$(12*10)/12=10$
Final lab + project + oral	10

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Course description

- Study the theory of design and operation of a low level or simple computer network

Course objective

- Provides the basic skills to understand, design and operating a low level or simple computer network

Learning Outcomes

After completing this course the students will be :

- 1) Familiar with the fundamentals of a computer network.
- 2) Able to operate and maintain small computer networks convenient for different applications and case studies.

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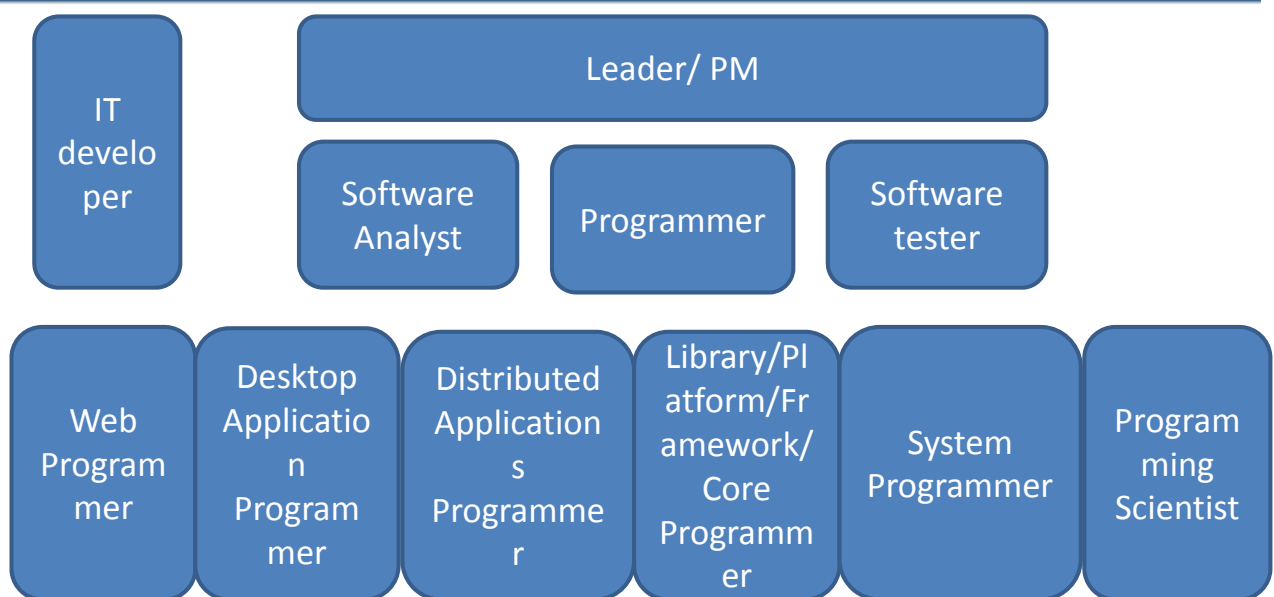
Course plane

- lecture 01 : introduction
- lecture 02 : network model
- lecture 03 : chapter 7 Transmission Media
- lecture 04 : chapter 8 switching
- lecture 05 : chapter 9 Using Telephone and Cable Networks for Data Transmission
- lecture 06,07 : chapter 11 data link control
- lecture 08 : chapter 12 multiple access
- lecture 09 : chapter 13 LAN
- chapter 15 Connecting LANs, Backbone Networks, and Virtual LANs
- lecture 10 : chapter 14 WLAN
- Lecture 11 : Chapter 16 Wireless WANs: Cellular Telephone and Satellite Networks
- Lecture 12 : applications layer

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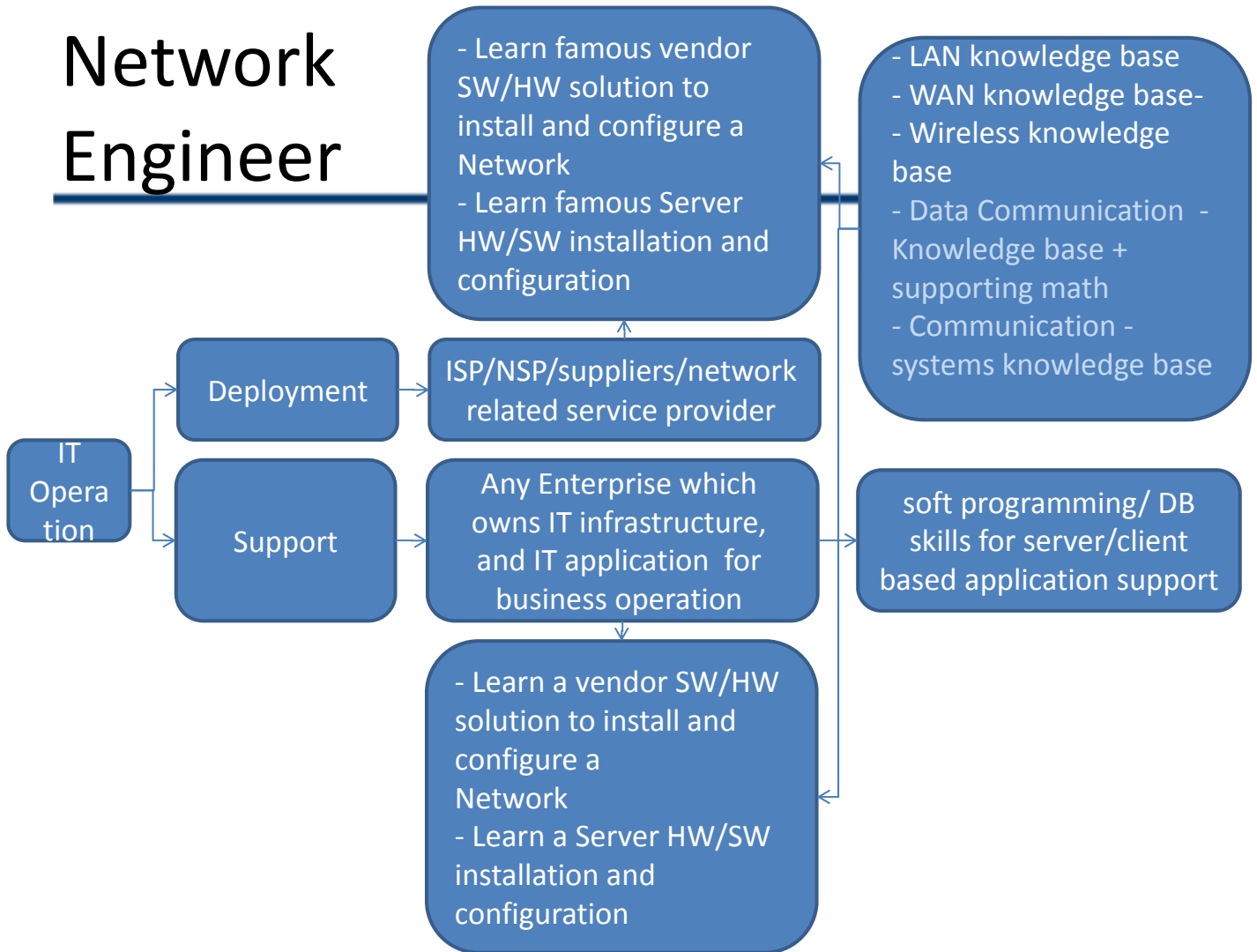
Software engineer



* Operating System (OS)
Oriented (tied to a single operating system or set of operating systems)
* Platform Independent

Kernel Programmer
Driver Programmer
Compiler Programmer

Network Engineer



Thanks,..

See you next week (ISA),...