



جامعة الأهرام الكندية
AHRAM CANADIAN UNIVERSITY

Computer Network I

Road map

Dr. Ahmed ElShafee

General information

Course name, Code	Network I
Pre-requisite	Data Communication
Credit hours	3
Number of lectures	15
Date, time, place	Sunday, 09:00 AM ~ 12:00 PM Class 1206
Text book	W.Stallings, "Data and Computer Communications"

Email	<i>email@draelshafee.net</i>
Presentations and materials	www.aelshafee.net

Course description

Provides the basic skills to understand, and operate a low level or simple computer network

Course objective

This course is designed to provide the students with the fundamentals of a low level or simple computer network

Course outcomes

Learning Outcomes

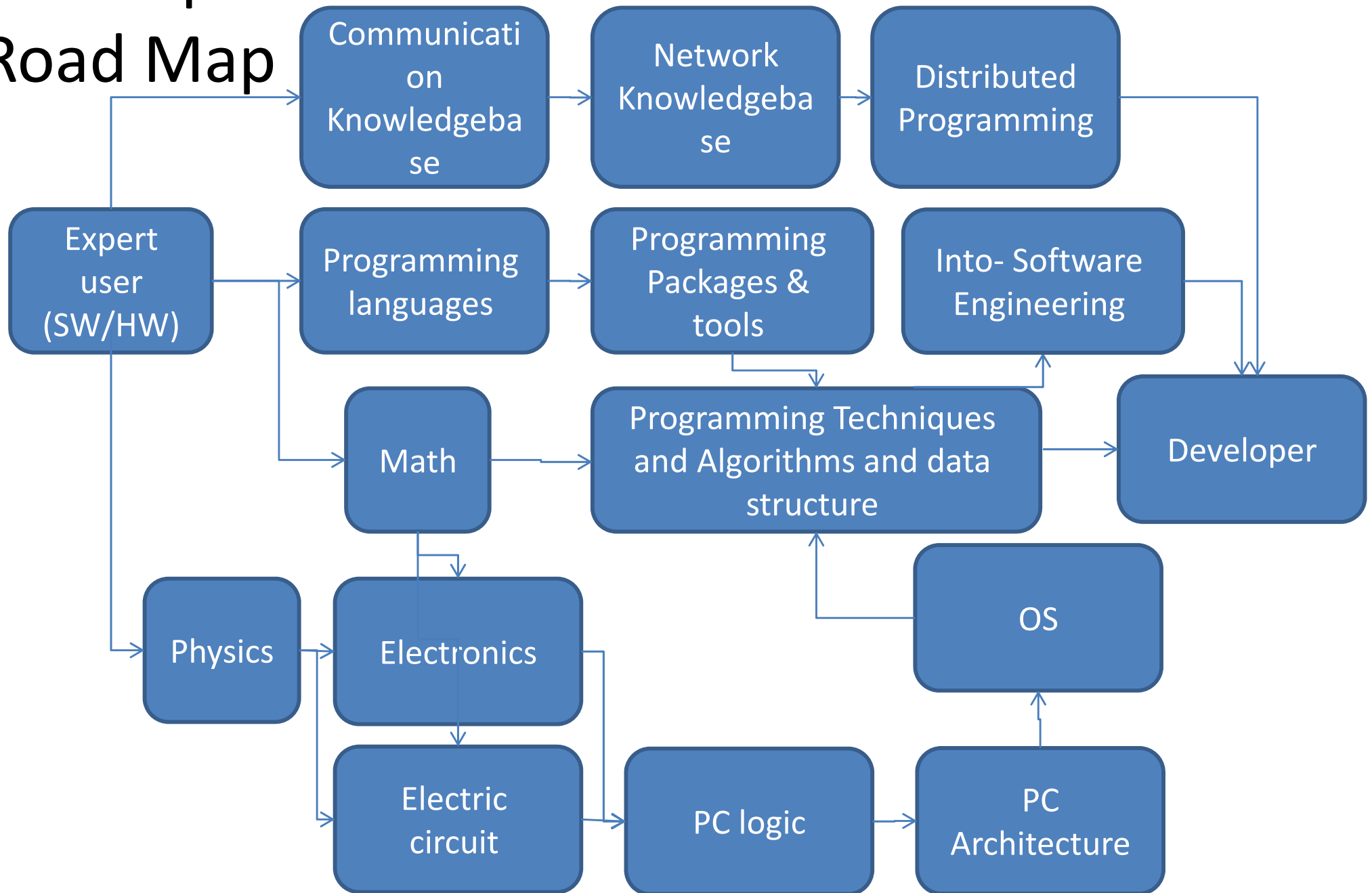
After completing this course the students will be :

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

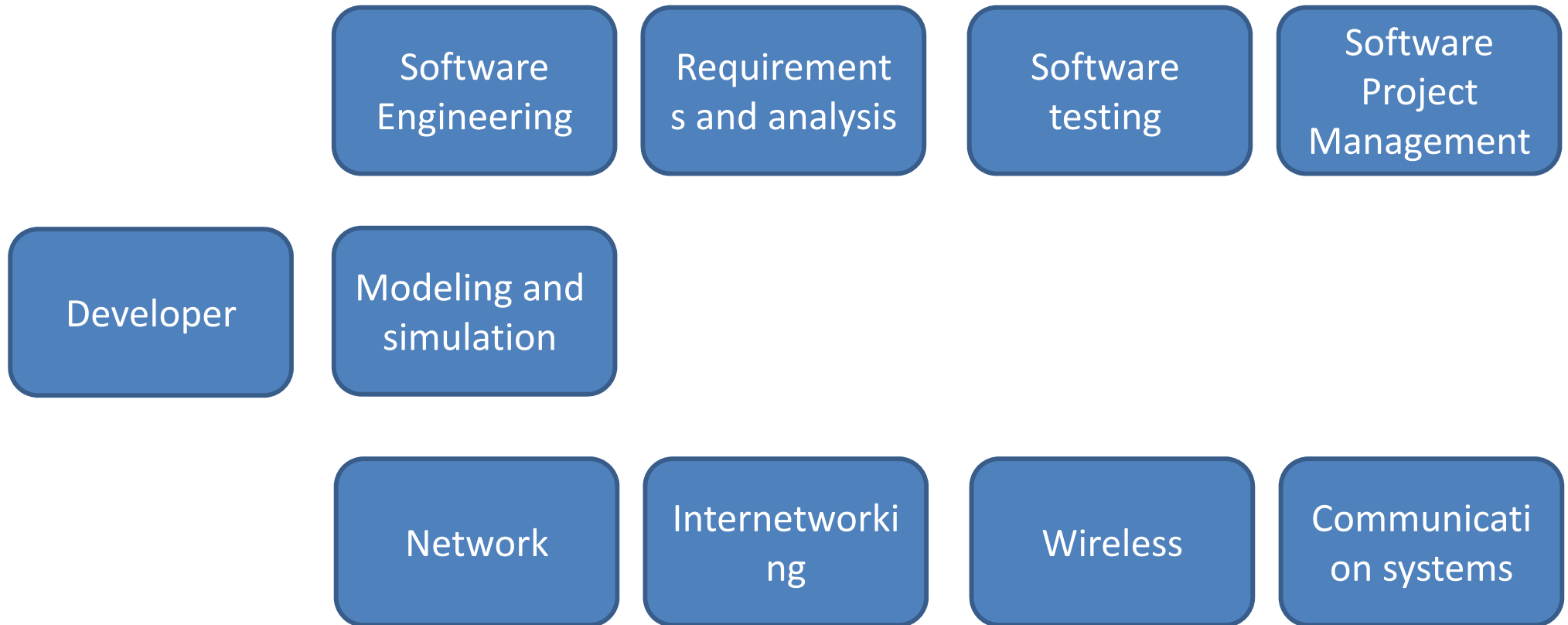
Road map



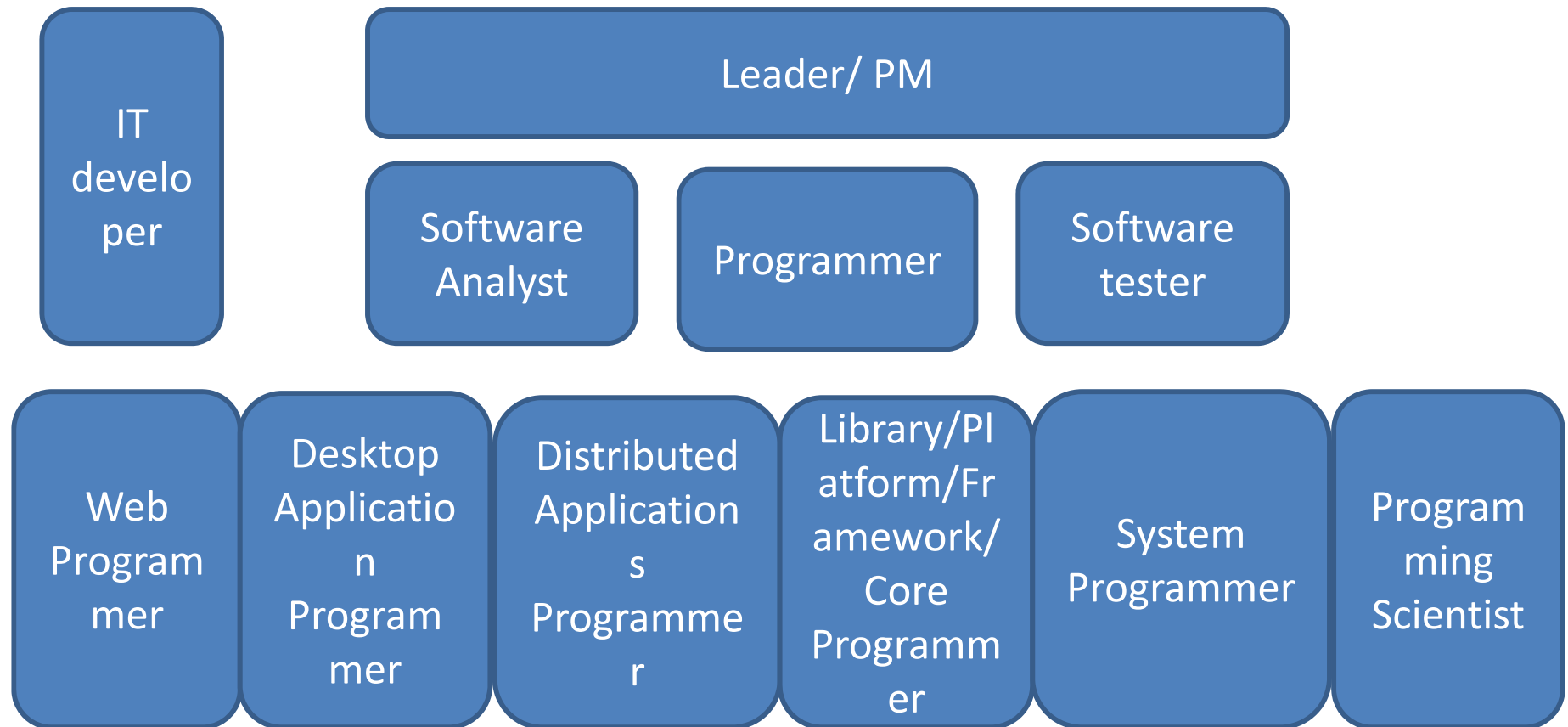
Developer Road Map



Software and network dept. road map



Software engineer

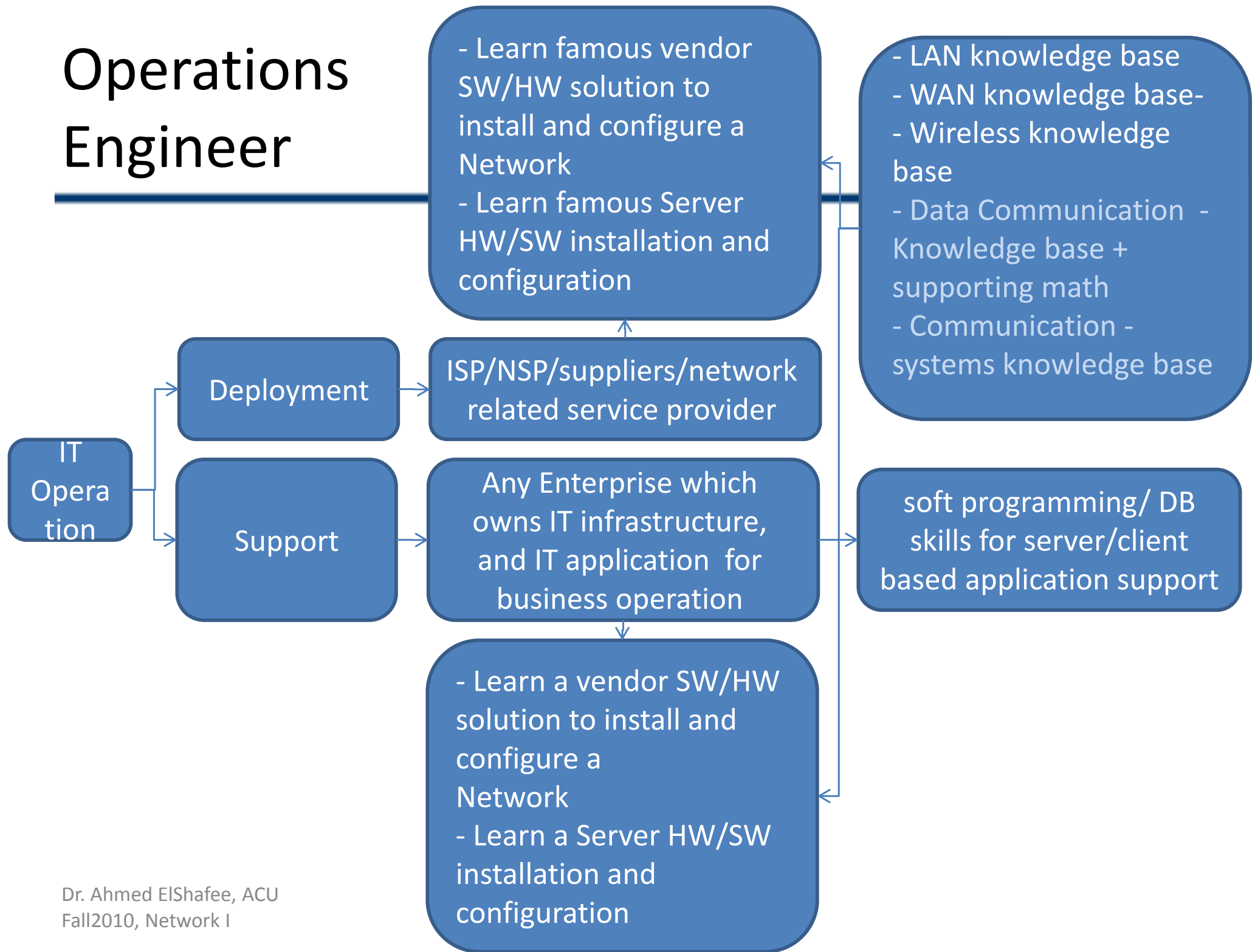


* Operating System (OS)
Oriented (tied to a single
operating system or set of
operating systems)

* Platform Independent

Kernel Programmer
Driver Programmer
Compiler Programmer

Operations Engineer



Network I Road map

1	Introduction to Computer Networking Concepts
2	Networking architecture (Layerd model)
3	Circuit switching networks
4	Packet switching & Frame Relay networkd
5	ATM
6	Routing in Switched Networks
7	Congestion in Data Networks
8	Data Link Control Protocols

Thanks,...