

# Road Map

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Dr. Ahmed M. ElShafee

# About the course

Course name, Code	Practical Applications in Network
Pre-requisite	Network I
Credit hours	3
Number Sessions	8
Date, time, place	Monday 14:00 ~ 15:30 @ 1217
Text book	<i>Lecture notes</i>

<b>Email</b>	<b>Ahmed.ElShafee@ACU.EDU.EG</b>
<b>Presentations and materials</b>	<b><a href="http://www.aelshafee.net">www.aelshafee.net</a></b>

# Objectives

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- This course provides an introduction to and hands-on practice with Internetwork Operating Systems (IOS).
- Students are instructed how to log on to routers/switches, edit features, use password protection, execute start-up commands, copy configuration files, back up configurations, and configure transmission Control Protocol/Internet Protocol (TCP/IP) and Internetwork Packet Exchange (IPX) protocols.
- provides instruction in the concepts and practices in Wide Area Network (WAN) services, including frame relay, Integrated Services Digital Network (ISDN), Point-to-Point Protocol (PPP), and Virtual Local Area Networks (VLAN).
- The underlying theories of IOS (CISCO), network protocols, routing, network security, and LAN switching are also explored.

# TOC

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- Introduction to packet tracer
- Working with switches
- Working with routers

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Thanks,..  
Lets to this,...