



# Wireless Network Road Map

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# About the course and the instructor

<b>Course name, Code</b>	<b>Wireless Computer Networks</b>
Pre-requisite	Network II
Credit hours	3
Number of lectures	10 ~ 12
Labs	9 labs
Date, time, place	Tuesday, Class 1204, Lab 1217
Text book	

<b>Email</b>	<b><a href="mailto:Ahmed.elshafee@acu.edu.eg">Ahmed.elshafee@acu.edu.eg</a></b>
<b>Presentations and materials</b>	<b><a href="http://www.aelshafee.net">www.aelshafee.net</a></b>

# Course description

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Covers the basic information about design, implementation, operation, and maintaining wireless computer networks.

# Course Objectives

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Provides the basic skills to understand, design, implement, operate, and maintain wireless computer networks.

# Course outcomes

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## **After completing course you will be;**

- Build knowledgebase of different types of wireless networks.
- Understand the functionality of wireless local area network.
- Develop basic skills to design, implement, and maintain of wireless local area network.
- Bridge the gap between the practical wireless networks and theoretical basics of wireless data communication.
- Apply engineering techniques taking into account industrial and commercial constraints

# TOC

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1. Introduction to Wireless Networking Concepts
2. WLAN standard bodies
3. WLAN RF Principles
4. WLAN Technologies and Topologies
5. Antenna Communication
6. Overview of the 802.11 WLAN Protocols
7. Wireless Traffic Flow and AP Discovery
8. Additional Wireless Technologies
9. Delivering Packets from the Wireless to Wired Network

# Network engineer road map

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OK.  
Lets do this,...