Course Description Form

1. Course Name:
Computer Network
2. Course Code
WBM-52-05
3. Semester/Year:
Second Semester / Fifth Year
4. Date of preparation of this description:
19/3/2024
5. Available Attendance Forms:
Attend a lecture
6. Number of credit hours (total) / number of units (total):
2 hours / 60
7. Course administrator's name (if more than one name)
Name: Assistant Lecturer Fares Karim Email: Faris.kar@uowa.edu.iq
8. Course Objectives

Course Objectives Tuition	The article aims to show the means and methods contained in the computer network, where the article deals with explaining the means of communication and indicating their quality, efficiency, ways to improve their performance and the factors affecting them, and on the other hand, how to transfer data within the computer network and the methods and protocols used to transfer this data.

9. Teaching and learning strategies	
Strategy	B1 – To be able to know the methods of transmitting the signal and information through users and stations to transmit information B2 – To be able to design small networks and understand the mechanism of applying theoretical information in practical life

Course Structure

The week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
First	2	Understand the principles of networking and the workplaces of this important specialization in the areas of life	Types of computer Networks (clients server, Peer-to-peer,& Wireless networks) classifying the computer networks (Home network, LAN, MAN, WAN, Wireless Networks,& Internet work)	Using illustrative images and explaining the use of networks in areas of life	Daily exams +Homework + Monthly exams

Second		Understand how to communicate and how to transfer information	The Reference models [1. The OSI model (design issues for the layers, connection oriented & connectionless layers' services, Service Primitives, & The OSI Layers)]	Lectures displayed in PDF format	Daily exams +Homework + Monthly exams
Third			Wired LANs: Ethernet Wireless LANs : IEEE 802.11, Bluetooth	Lectures displayed in PDF format	Daily exams +Homework + Monthly exams
Fourth				Lectures displayed in PDF format	Daily exams + homework + monthly exams
V+ Sixth			The TCP/IP Model	Lectures displayed in PDF format	Daily exams + homework + monthly exams
VII + VIII			IP Addressing	Lectures displayed in PDF format	Daily exams + homework + monthly exams
Ninth+Tenth			Routers & Cisco IOS	Lectures displayed in PDF format	Daily exams + homework + monthly exams
Eleventh			Cisco IOS	Lectures displayed in PDF format	Daily exams + homework + monthly exams
Twelfth			Wireless WANs ,Cellular Telephone and Satellite Networks	Lectures displayed in PDF format	Daily exams + homework + monthly exams + homework + monthly exams
Thirteenth					
Fourteenth			Synchronous Optical Network Virtual-Circuit Networks	Lectures displayed in PDF format	Daily exams + homework + monthly exams + homework + monthly exams
Fifteenth					

. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily, oral, monthly, written exams, reports .... etc

. Learning and Teaching Resources

1- Required textbooks:	Computer Networking_ A Top-Down Approach -James Kurose Keith Ross-7th Edition 2017
2- Main references (sources)	ollege Library to obtain additional resources for the curriculum. iew the scientific websites to see the latest developments in the article.
A- Recommended books and references (scientific journals, reports,.....)	
B- Electronic References, Websites	1- https://www.netacad.com/

	2- https://mikrotik.com/training/academy 3- https://www.hawaiiacademy.com/