QF05/0408-4.0E	Course Plan for Bachelor program - Study Plan Development and Updating Procedures/ Management Information Systems Department

Study plan No.	Business		**University Specialization**		Management Information Systems	
Course No.	0506333		**Course name**		Communication Networks for Business	
Credit Hours	**3**		**Prerequisite/ Co-requisite**		0506314	
Course type	MANDATORY UNIVERSITY REQUIREMENT	UNIVERSITY ELECTIVE REQUIREMENTS	FACULTY MANDATORY REQUIREMENT	Support course family requirements	✓ Mandatory requirements	Elective requirements
Teaching style	**Full online learning**		✓ **Blended learning**		**Traditional learning**	
Teaching model	**1 Synchronous: 1 asynchronous**		✓ **2 face to face : 1 asynchronous**		**2 Traditional**	

Faculty member and study divisions' information (to be filled in each semester by the subject instructor)

Name	Academic rank	Office No.	Phone No.	E-mail	
Division number	**Time**	**Place**	**Number of students**	**Teaching style**	**Approved model**
1				**Blended**	**2:1**

Brief description

This course covers technical and managerial aspects related to data communication, computer and telecommunication networks. This course aims to provide a solid understanding of data communications and networking principles including networking and telecommunications technologies, hardware and software and provide a basic knowledge and skills on telecommunication networks management, network security, cost-benefit analysis and evaluation of connectivity options.

Learning resources

Course book information (Title, author, date of issue, publisher ... etc)	Business Communication: Process & Product. Guffey, M. and Loewy, D. Cengage Learning; 9th edition, 2017. ISBN: 978-1305957961.			
Supportive learning resources (Books, databases, periodicals, software, applications, others)	1. Business Data Communications and Networking. Jerry F. G., Alan Dennis, and Alexandra D.; 12th edition. 2015. 2. Technical Communication. Markel, M. Bedford/St. Martin's 2012. 3. The Essential of Business Communication. Guffey, M. Thomson; 7th edition. 2007.			
Supporting websites				
The physical environment for teaching	Class room	✓ labs	✓ Virtual educational platform	Others
Necessary equipment and software				
Supporting people with special needs				
For technical support				

Course learning outcomes (S= *Skills, C= Competences K= Knowledge,)*

No.	Course learning outcomes	The associated program learning output code
	Knowledge	
K1	Understand the effective of business communication that create effective business environment	**MK1**
K2	Understand the importance of team work and work ethics in business	**MK2**
K3	Understand how to create various effective business documents	**MK3**
	Skills	
S1	The student shall understand how to be effective in the business environment	**MS1**
S2	The student will be able to apply team work skills ethically in the work place.	**MS1**
S3	The student will be able to create various effective business documents based on the needs of the audience	**MS2**
S4	The student will be able to publicly present work effectively to business audience	**MS1**
	Competences	
C1	The student shall understand how to be effective in the business environment	**MC2**
C2	The student will be able to apply team work skills ethically in the work place.	**MC1**
C3	The student will be able to publicly present work effectively to business audience	**MC1**

Mechanisms for direct evaluation of learning outcomes

Type of assessment / learning style	Fully electronic learning	Blended learning	Traditional Learning (Theory Learning)	Traditional Learning (Practical Learning)
Midterm exam		**30%**		
Participation / practical applications		**0**		
Asynchronous interactive activities		**30%**		
Final exam		**40%**		

Note 1: Asynchronous interactive activities are activities, tasks, projects, assignments, research, studies, projects, work within student groups ... etc, which the student carries out on his own, through the virtual platform without a direct encounter with the subject teacher.

Note 2: According to the Regulations of granting Master's degree at Al-Zaytoonah University of Jordan, 40% of final evaluation goes for the final exam, and 60% for the semester work (examinations, reports, research or any scientific activity assigned to the student).

Schedule of simultaneous / face-to-face encounters and their topics

Week	Subject	learning style*	Reference **
1	**Network and Transmission Layers** - Protocols	Lecture	150 - 156
2	**Network and Transmission Layers** - Transport Layer Functions	Lecture	157 - 165
3	**Network and Transmission Layers** - Linking Application Layer	Lecture	166 - 184
4	**Network and Transmission Layers** - Routing	Lecture	166 - 184
5	**Network and Transmission Layers** -TCP/IP Example	Lecture	166 - 184
6	**Local Area Network** - Why using LANs	Lecture	199 - 208
7	**Local Area Network** - LAN Types - LAN Components	Lecture	199 - 208
8	**Local Area Networks** - Traditional Ethernet (IEEE802.3)	Lecture	199 - 208
9	**Local Area Networks** - Topology , - Media Access Control	Lecture	199 - 208
10	**Local Area Networks** -Types Of Ethernet	Lecture	209 - 212
11	**Local Area Networks** - Switched Ethernet - Topology ,	Lecture	209 - 212
12	**Local Area Networks** - Media Access control - Best Performance	Lecture	209 - 212
13	**Wireless Local Area Networks** - WLAN components	Lecture	213 - 225
14	**Wireless Local Area Networks** -WI-FI , WI-MAX , Bluetooth -	Lecture	213 - 225
15	**Wireless Local Area Networks** - Improving WLAN Performance	Lecture	213 - 225
16	**Final Exam**		

*** Learning styles: Lecture, flipped learning, learning through projects, learning through problem solving, participatory learning ... etc.**

**** Reference: Pages in a book, database, recorded lecture, content on the e-learning platform, video, website ... etc.**

Schedule of asynchronous interactive activities (in the case of e-learning and blended learning)

Week	Task / activity	Reference	Expected results
1	Writing the types of Protocols		
2	Writing the Future Trends to use the Protocols in Networking as Examples		
3	What is the Transport Layer Functions and give the examples.		
4	Explain why using LANs		
5	Why using LAN Types		
6	What is the main Topology in Local Area Networks		
7	What is the types of Ethernet, give an example.		
8	Writing the main LAN Components.		
9	How Local Area Networks works.		
10	Presenting Switched Ethernet , how it works. Examples		
11	How Wireless Local Area Network Works.		
12	Design your RJ to your network.		
13	How Improving WLAN Performance, give examples.		
14	How Wireless WI-FI works.		
15	How Improving WI-FI Performance.		
16	Revision class.		