Syrian Arab Republic		الجمهورية العربية السورية
Ministry of Higher Education		وزارة التعليم العالـــي
Syrian Virtual University		الجامعة الافتراضية السورية

Course Description

1- Basic Information:

Course Name	Information and Communication Technologies
Course ID	**ICT**
Contact Hours (Registered Sessions)	24
Contact Hours (Synchronized Sessions)	24
Mid Term Exam	-
Exam	75 min
Registered Sessions Work Load	24
Synchronized Session Work Load	24
Credit Hours	4

2- Pre-Requisites:

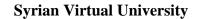| Course	ID
None	

3- Course General Objectives:

Awareness of students for the most important and newest information and communication technologies, showing their different uses in business and company environments. The involved technologies include the infrastructures used in companies, and contain all organizational hardware and computational platforms, in addition to software and systems used in building enterprise computer systems, different types of communication networks, internet and cyberspace, and the new digital century challenges.

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4- Intended Learning Outcomes (ILO):

Code	Intended Learning Outcomes
ILO1	Knowledge of information and communication technology basics
ILO2	Learning internet web and cyberspace basics and exploitation in the business world
ILO3	Knowledge of new hardware devices
ILO4	Exploring communication networks details and security and privacy challenges
ILO5	Awareness of the challenges of the new digital age and information technology society
ILO6	Understanding the era of Big Data: databases, information systems, and artificial intelligence
ILO7	Knowledge of systems and applications development and construction methodologies

5- **Course Syllabus** (18 hours of total synchronized sessions;18 hours of total Recorded Sessions)

- **RS:** Recorded Sessions**; SS:** Synchronized Sessions**;**

ILO	Course Syllabus	RS	SS	Type	Additional Notes
ILO1	Basics of information and communication technology	3	3	☐ Exercises ☐ Assignments ☐ Seminars ☐ Projects ☐ Practices ☐ Others	
ILO2	Basics of internet, web, and cyberspace, and exploitation in the business world	3	3	☐ Exercises ☐ Assignments ✓ Seminars ☐ Projects ☐ Practices ☐ Others	

ILO3	New hardware devices for computing and telecommunications	4.5	4.5	☐ Exercises ☐ Assignments ✔ Seminars ☐ Projects ☐ Practices ☐ Others	
ILO4	Communications and networks details and security and privacy challenges	3	3	☐ Exercises ☐ Assignments ✔ Seminars ☐ Projects ☐ Practices ☐ Others	
ILO5	Challenges of the new digital age and information technology society	3	3	☐ Exercises ☐ Assignments ✔ Seminars ☐ Projects ☐ Practices ☐ Others	
ILO6	The era of Big Data: databases, information systems, and artificial intelligence	3	3	☐ Exercises ✔ Assignments ✔ Seminars ☐ Projects ☐ Practices ☐ Others	
ILO7	Systems and applications development and construction methodologies	3	3	✔ Exercises ✔ Assignments ✔ Seminars ☐ Projects ☐ Practices ☐ Others	

6- Assessment Criteria (Related to ILOs)

ISC	Interactive Synchronized Collaboration		Ex	Exams		Rpt	Reports
PF2F	Presentations and Face-to-Face Assessments		PW	Practice Work			

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ILO Code	ILO	Intended Results	Assessment Type				
			ISC	PW	Ex	PF2F	Rpt
ILO1	Knowledge of information and communication technology basics		✓	✓	✓		✓
ILO2	Learning internet web and cyberspace basics and exploitation in the business world		✓	✓	✓		✓
ILO3	Knowledge of new hardware devices		✓	✓	✓		✓
ILO4	Exploring communication networks details and security and privacy challenges		✓	✓	✓		✓
ILO5	Awareness of the challenges of the new digital age and information technology society		✓	✓	✓		✓
ILO6	Understanding the era of Big Data: databases, information systems, and artificial intelligence		✓	✓	✓		✓
ILO7	Knowledge of systems and applications development and construction methodologies		✓	✓	✓		✓

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7-Practice Tools:

Tool Name	Description

8-Main References

WILLIAMS, B. and SAWYER, S. (2014), Using Information Technology: A Practical Introduction to Computers & Communication (11th ed), McGraw-Hill.

9-Additional References

Database System Concepts, Sixth Edition, A. Silberschatz et al, McGraw-Hill, 2011