

Syrian Arab Republic	 الجامعة الافتراضية السورية SYRIAN VIRTUAL UNIVERSITY	الجمهورية العربية السورية
Ministry of Higher Education		وزارة التعليم العالي
Syrian Virtual University		الجامعة الافتراضية السورية

## Course Syllabus

### 1– Basic Information:

<b>Course Name</b>	Management Information System
<b>Course ID</b>	MIS
<b>Contact Hours (Registered Sessions)</b>	16
<b>Contact Hours (Synchronized Sessions)</b>	16
<b>Mid Term Exam</b>	
<b>Exam</b>	1.15
<b>Registered Sessions Work Load</b>	16
<b>Synchronized Session Work Load</b>	16
<b>Credit Hours</b>	6

### 2– Pre–Requisites: **Information and Communication Technology ICT**

### 3– Course Objectives:

The aim of this course is to introduce the administrative information systems that serve the activities supporting the work of the organizations. It provides concepts related to the components and types of information systems .

It explains the stages of information systems development. It includes database concepts, design stages, components and methods of use. It also includes the definition of enterprise systems that manage daily activities within the organization and with all parts of the supply chain. It also includes the principles of decision support systems, business intelligence and electronic business systems.

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#### Intended Learning Outcomes (ILO):

Code	Intended Learning Outcomes
ILO1	Distinguish between the concepts of information systems and types of public and specialized information systems.
ILO2	Can participate effectively in the development phases of information systems
ILO3	Know how to design databases and how to handle their software
ILO4	Dealing with enterprise system software, and some business intelligence application

#### 4- Course content (15 hours of synchronized sessions)

Chapter Number	Chapter Title	Summary	ILO
1	Information System Concepts	Information System (IS), Knowledge Hierarchy, Information Systems & Information Technology, Organization systems	ILO1
2	BUSINESS INFORMATION SYSTEMS-1	Common Types of Business Information Systems (Transaction Processing Systems, Management Information Systems, Decision Support Systems and Electronic Commerce)	ILO1
3	BUSINESS INFORMATION SYSTEMS-2	Specialized Types of Business Information Systems (Knowledge Management Systems (KMSs), Artificial intelligence, Expert Systems and Virtual Reality)	ILO1
4	Organization and Information Systems	Organization definition, management structure and the difference between continuous development and reengineering	ILO2

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5	Systems Development-1	Stages of life cycle development systems The first stage (Systems investigation)	ILO2
6	Systems Development-2	Other Stages of life cycle development systems (System Analysis, System design, Systems implementation and Systems maintenance & review)	ILO2
7	Database Concepts	Database Concepts. Databases as the storage of information systems data	ILO3
8	Database Design	Stages of database design	ILO3
9	Database Use	Practical examples of design stages. And the use of databases	ILO3
10	Business Intelligence (BI)	Business intelligence concepts and their relation to databases (Data warehouse, data mining, OLAP)	ILO4
11	Business Intelligence (BI)	Examples of using Excel to achieve (OLAP: Online Analytical Processing )	ILO4
12	Enterprise Systems	Concepts and uses of Enterprise Resource Planning (ERP). Cloud computing concepts	ILO4
13	Decision Support System	Basic concepts in decision support systems	ILO1
14	E-Business	Basic concepts in electronic business	ILO1

### 5- Assessment Criteria (Related to ILOs)

ILO codes	Intended Learning Outcomes	Home work	Synchronized Sessions	Exam
	To achieve ILO the student			

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	<b>should be able to:</b>			
	All Outcomes	*	*	*

## 6- Practice Tools

Name	Function
Excel	To be used in (Online Analytical Processing)
SAP	ERP software example
Access	Database Management System

## 7- Main References

- All content of the course can be downloaded from Moodle course page as Pdf ,Excel and Access files and registered sessions.
- Synchronized sessions.

## 8- Additional References

- Ralph M. Stair & George W. Reynolds. (2012). Information Systems Essentials, Sixth Edition. Boston, Mass: Course Technology, Cengage Learning.

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- Ralph M. Stair & George W. Reynolds. (2010). Principles of Information Systems: A Managerial Approach, Ninth Edition. Boston, Mass: Course Technology, Cengage Learning.
- O'Brien, J. M., Marakas, G. M. (2007). Introduction to Information Systems (15th Ed). United States of America. McGraw-Hill.
- WILLIAMS, B. and SAWYER, S. (2014), Using Information Technology: A Practical Introduction to Computers & Communication (11th ed), McGraw-Hill.
- Database System Concepts, Sixth Edition, A. Silberschatz et al, McGraw-Hill, 2011.