

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 Definition: Management Information Systems(MIS)

1- Basic Information:

Course Name	Management Information Systems
Course ID	MIS
Contact Hours (Registered Sessions)	
Contact Hours (Synchronized Sessions)	18 Hours
Mid Term Exam	
Exam	
Registered Sessions Work Load	
Synchronized Session Work Load	
Credit Hours	4 Hours

2- Pre-Requisites:

Course	ID
1 .Management	MG
2 .Communication skills and scientific writing	CSTW
3 .Systems analysis and design	DB
4 .Basics of Economics and Accounting	EA
5 .Statistics	ST
PS. Students should preferably have completed general subjects	

3- Course General Objectives:

Management Information Systems (MIS) course aims at presenting the student of Information Systems Engineering(ISE) to the understanding of information systems, acquiring knowledge, skills and positive attitudes towards information, linking them in administrative decisions, and dealing with data and information systems as a key tool in supporting decision-making at all levels and functional levels among organization. The course starts from the basic concepts, the historical development of information technology (IT) systems, the evolution of information management support systems, the mechanisms for establishing new information systems, the development and operation of existing information systems, and the management, maintenance and protection of information resources (see Introduction to Content).

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4- Intended Learning Outcomes (ILO):

Code	Intended Learning Outcomes
ILO1	Understand the strong relationship between management and MIS and create a positive attitude towards this relationship.
ILO2	Understand the essence and concepts of management information systems and understand the components and their mechanisms.
ILO3	Understand and comprehend the historical and technical development of MIS, their types and how to use them, and benefit from previous experiences.
ILO4	Learn how to create a new information system, transform a traditional information system into an electronic information system, or update and re-implement an existing system.
ILO5	Management of information resources systems, how to accomplish the necessary administrative processes, and what quality standards should be applied?
ILO6	Management of the protection of information resources, and how to accomplish the necessary administrative processes.
ILO7	Knowledge of the concepts and standards of international information security ISO 27000, and training on how to apply, and how to maintain equipment and updating of software.

5- Course Syllabus (18 hours of total synchronized sessions)

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

ILO	Course Syllabus	RS	SS	Type	Additional Notes
ILO1	<ul style="list-style-type: none"> • <u>Explaining the goals of the course and its components, methods of study and how to prepare the assignment.</u> 		1.3	Search in the database: Visit and browse Moodle to download the course materials.	Access to some MIS programs in Arab and foreign universities.
ILO2	<ul style="list-style-type: none"> • <u>Management and information systems:</u> The relationship between information systems, management and information technology. 		3.0	Finding references and recent studies in MIS	Browsing sites and companies specializing in MIS
ILO3	<ul style="list-style-type: none"> • <u>Evolution and types of MIS:</u> The essence and the concepts of MIS, historical development, 		3.0	Analysis of administrative and regulatory relations in MIS	Training on the development of CV

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	components, and mechanisms of the MIS.				
ILO4	<ul style="list-style-type: none"> Management support systems: Management support systems and management decisions(DSS), group decision supports systems(GDSS), and executive information systems. 		3.0	Follow-up of an organization specializing in information systems or a department of MIS in any other organization	Search for an organization in the Top organizations lists issued by some periodicals and specialized bodies such as Forbes
ILO5	<ul style="list-style-type: none"> Development of MIS: Systems development approaches and the design and creation of a new information system according to the life cycle of the systems approach. 		3.0	Topic selection for the assignment paper (report) from recent trends in MIS	The selection of an authoritative and up-to-date scientific research which is directly related to MIS and the selected organization.
ILO6	<ul style="list-style-type: none"> Information resources systems management: Methodologies and objectives, components and processes, and information quality. 		3.0	Booking of the research title and selected organization on the Moodle system.	See the experiences in the MIS department like the IT department at the Syrian Virtual University
ILO7	<ul style="list-style-type: none"> Information security management systems: Concepts, policies and areas of information security, ISO 27000 standards, and learned lessons from major companies. 		1.3	Startup edit the worksheet assignment.	See the latest conferences and companies specialized in information security.

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6- Assessment Criteria (Related to ILOs)i

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

ILO Code	ILO	Intended Results	Assessment Type				
			ISC	PW	Ex	PF2F	Rpt
ILO1	<input type="checkbox"/> Know the objectives and syllabus of the course. <input type="checkbox"/> Learn the method of study and teaching. <input type="checkbox"/> Find out how to set up the assignment,		✓	✓			✓
ILO2	<input type="checkbox"/> Understanding the close relationship between management and MIS. <input type="checkbox"/> Create a positive attitude towards this relationship.		✓	✓	✓		✓
ILO3	<input type="checkbox"/> Understand the essence and concepts of MIS. <input type="checkbox"/> understand its components and mechanisms		✓	✓	✓		✓
ILO4	<input type="checkbox"/> Understand and comprehend the historical and technical development of MIS. <input type="checkbox"/> Enumerate their types and master how they are used, and take advantage of previous experiences.		✓	✓	✓		✓
ILO5	<input type="checkbox"/> Learn how to create a new information system. <input type="checkbox"/> Converting a traditional information system into an electronic information system. <input type="checkbox"/> Develop an existing system, and re-implement it.		✓	✓	✓		✓
ILO6	<input type="checkbox"/> Acquire the skill of managing information resources systems. <input type="checkbox"/> Enumerate the necessary administrative processes.		✓	✓	✓		✓

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	<input type="checkbox"/> Find out what quality standards should be applied.						
ILO7	<input type="checkbox"/> Maintenance and preservation of information system components. <input type="checkbox"/> Knowledge of information security areas. <input type="checkbox"/> Understand the ISO standards that should be applied.		✓	✓	✓		✓
PS:	Each chapter of the course starts with the objectives and the scientific outcomes in detail.						

7- Practice Tools:

Tool Name	Description
An assignment HW	Summarize an article of scholarly, updated research and apply it in practice to an organization specializing in information systems or its IT department, which will determine the extent of students coverage of the outcomes.

8- Main References:

1. إ. د. سليم الحسنية، مدخل إلى نظم المعلومات الإدارية (نما)، الجامعة الافتراضية السورية، 2009.
2. موقع سيانس دايركت: <https://www.sciencedirect.com> للأبحاث والمقالات والدوريات والكتب المتخصصة في نظم المعلومات الإدارية.
3. Kenneth C. Laudon(2013) Management Information Systems: managing-the-digital-firm, Essex.

9- Additional References:

4. د. سليم الحسنية، مبادئ نظم المعلومات الإدارية: المعلومات في عصر المنظمات الرقمية، دار الوراق، عمان، 2006.
5. دوريات حديثة ترسل للطلاب أثنان التدريس، وخاصة الدوريات العلمية المتخصصة.