



الجمهورية العربية السورية

وزارة التعليم العالمسي

الجامعة الافتراضية السورية

Syrian Virtual University

# **Course Definition: Management Information Systems(MIS)**

### **1- Basic Information:**

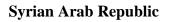
| Course Name                                  | Management Information Systems |
|--|--------------------------------|
| Course ID                                    | MIS                            |
| <b>Contact Hours (Registered Sessions)</b>   |                                |
| <b>Contact Hours (Synchronized Sessions)</b> | 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).



Syrian Virtual University

معادلة الإفتراخية السورية SVUD NIRTUAL UNIVERSITY

الجمهورية العربية السورية

وزارة التعليم العالمي

الجامعة الافتراضية السورية

# 4- Intended Learning Outcomes (ILO):

| Code   | Intended Learning Outcomes   |
|--|--|
| IL01   | Understand the strong relationship between management and MIS and create a positive      |
| ILUI   | attitude towards this relationship.  |
| ILO2   | Understand the essence and concepts of management information systems and understand     |
| IL02   | the components and their mechanisms.   |
| ILO3   | Understand and comprehend the historical and technical development of MIS, their types   |
| IL05   | and how to use them, and benefit from previous experiences.                              |
| ILO4   | Learn how to create a new information system, transform a traditional information system |
| ILU4   | into an electronic information system, or update and re-implement an existing system.    |
| <b>ILO5</b> Management of information resources systems, how to accomplish the necessary |  |
| IL03   | administrative processes, and what quality standards should be applied?                  |
| ILO6   | Management of the protection of information resources, and how to accomplish the         |
| IL00   | necessary administrative processes.  |
| ILO7   | Knowledge of the concepts and standards of international information security ISO 27000, |
| ILO/   | 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  | Туре  | Additional Notes  |
|------|--|----|-----|---|---|
| ILO1 | • Explaining the goals of the course<br>and its components, methods of<br>study and how to prepare the<br>assignment.                                |    | 1.3 | Search in the<br>database:<br>Visit and<br>browse Moodle<br>to download the<br>course<br>materials. | Access to some MIS<br>programs in Arab and<br>foreign universities. |
| ILO2 | • <u>Management and information</u><br><u>systems:</u><br>The relationship between<br>information systems, management<br>and information technology. |    | 3.0 | Finding<br>references and<br>recent studies in<br>MIS   | Browsing sites and<br>companies specializing in<br>MIS              |
| ILO3 | • <u>Evolution and types of MIS:</u><br>The essence and the concepts of<br>MIS, historical development,  |    | 3.0 | Analysis of<br>administrative<br>and regulatory<br>relations in MIS                                 | Training on the development of CV                                   |

Syrian Virtual University

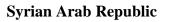


الجمهورية العربية السورية

وزارة التعليم العالمي

الجامعة الافتراضية السورية

|      | components, and mechanisms of the MIS.   |   |     |   |  |
|------|--|---|-----|---|--|
| ILO4 | • <u>Management support systems:</u><br>Management support systems and<br>management decisions(DSS),<br>group decision supports<br>systems(GDSS), and executive<br>information systems.      | 3 | 3.0 | Follow-up of an<br>organization<br>specializing in<br>information<br>systems or a<br>department of<br>MIS in any<br>other<br>organization | Search for an<br>organization in the Top<br>organizations lists issued<br>by some periodicals and<br>specialized bodies such as<br>Forbes            |
| ILO5 | • <u>Development of MIS:</u><br>Systems development approaches<br>and the design and creation of a<br>new information system according<br>to the life cycle of the systems<br>approach.      | 3 | 3.0 | Topic selection<br>for the<br>assignment<br>paper (report)<br>from recent<br>trends in MIS  | The selection of an<br>authoritative and up-to-<br>date scientific research<br>which is directly related<br>to MIS and the selected<br>organization. |
| ILO6 | • <u>Information resources systems</u><br><u>management</u> :<br>Methodologies and objectives,<br>components and processes, and<br>information quality.                                      | 3 | 3.0 | Booking of the<br>research title<br>and selected<br>organization on<br>the Moodle<br>system.  | See the experiences in the<br>MIS department like the<br>IT department at the<br>Syrian Virtual University   |
| ILO7 | • <u>Information security</u><br><u>management systems:</u><br>Concepts, policies and areas of<br>information security, ISO 27000<br>standards, and learned lessons<br>from major companies. | 1 | .3  | Startup edit the<br>worksheet<br>assignment.  | See the latest conferences<br>and companies<br>specialized in information<br>security.   |





الجمهورية العربية السورية

وزارة التعليم العالمي

الجامعة الافتراضية السورية

Syrian Virtual University

## 6- Assessment Criteria (Related to ILOs)i

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

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

| Syrian Arab Republic<br>Ministry of Higher Education<br>Syrian Virtual University |  |   | الجمهورية العربية السورية |         |         |       |   |  |  |
|---|--|---|---------------------------|---------|---------|-------|---|--|--|
|   |  | SVU   |                           | العاليي | التعليم | وزارة |   |  |  |
|   |  | الجامعة الافتراضية السورية<br>Syrian Virtual University |                           |         | الجامع  | ١     |   |  |  |
|   | ☐ Find out what quality standards should be applied.   |   |                           |         |         |       |   |  |  |
| ILO7  | <ul> <li>Maintenance and preservation of information system components.</li> <li>Knowledge of information security areas.</li> <li>Understand the ISO standards that should be applied.</li> </ul> |   | ~                         | ✓       | ✓       |       | ~ |  |  |
| PS:   | Each chapter of the course starts<br>with the objectives and the scientific<br>outcomes in detail.   |   |                           |         |         |       |   |  |  |

#### 7- Practice Tools:

| Tool Name        | Description  |
|------------------|--|
|                  | Summarize an article of scholarly, updated research and apply it in practice |
| An assignment HW | 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 الافتر اضية السورية، 2009.
- موقع سيانس داير كت: <u>https://www.sciencedirect.com/</u> للأبحاث والمقالات والدوريات والكتب المتخصصة في نظم المعلومات الإدارية.
  - 3. Kenneth C. Laudon(2013) Management Information Systems: managing-thedigital-firm, Essex.

#### 9- Additional References:

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