

## Faculty of Computers and Information Technology

### Management Information Systems

**Information :**

**Course Code :** IS323

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Department of Information Systems

**Instructor Information :**

Title	Name	Office hours
Lecturer	Ahmed Elsayed Mahmoud Yakoub	1
Teaching Assistant	Salma Essam Eldin Ali Mohamed Mohamed Yassin	
Teaching Assistant	Bayan Elsaheed Bedair Omar Elakhdar	

**Area Of Study :**

Explains the role of information technology as a business enabler.  
 Use basic applications in management information systems including customer relationship management systems, enterprise systems, e-commerce applications, transaction processing systems, business analytics, and emerging technologies.  
 Analyze the interaction between information technology, customers, processes, data, infrastructure, participants, and environment in an organization.  
 Compare and evaluate the organizational fit and suitability of business applications.  
 Deal with the individual, social, environmental, organizational and economic implications of the applications of management information systems.  
 Use effectively communication skills.  
 Use knowledge and skills in management information systems in market applications development.  
 Satisfy the qualifications required by potential employers in the field of management information systems.

**Description :**

An introductory course designed to provide students with fundamental knowledge of management information systems and their concepts including the use of information systems for management decision-making and the impact of information systems on management. The course will be directed to provide broad introductory understanding of information systems employed to achieve the corporate objectives. The state-of-the-art technologies that will contribute towards the future development of IT systems and applications will also be introduced. The objective of this course is to become better informed users, customers and/or professionals in the application and use of information systems and technology. The issues contributing to successful planning, design, development, implementation and management of IT systems will be discussed in this course.

**Course outcomes :**

**a. Knowledge and Understanding: :**

1 -	Discuss the basic concepts and importance of management information systems
2 -	Identify the criteria for current use of different information systems and how to manage them like Decision Support Systems, Expert Systems, E-Commerce and Databases.
3 -	Explain the managerial activities in different management levels
4 -	Describe the role of information technology in an organization like in accounting systems

**b. Intellectual Skills: :**

1 -	Discuss different concepts of information systems and the relation between information and business.
2 -	Describe the different development methods to build business information system
3 -	Identify problems facing different organizations in various fields when they use information systems and put solutions to these problems.
4 -	Analyze the requirements of different traditional organizations and how to convert to be a digitized organization.

**c. Professional and Practical Skills: :**

1 -	Use current studies to address business needs for information systems
2 -	Identify the different components of information systems and the way that can be managed
3 -	Work with different types of information systems.
4 -	Analyze given information to conclude the correct information system to be used.

**d. General and Transferable Skills: :**

1 -	Enhance team working skills
2 -	Obtain problem solving skills
3 -	Enhance writing skills
4 -	Enhance Oral communication skills

**ABET Course outcomes :**

1 -	Apply information systems management concepts within the context of the modern business organization
2 -	Understand the importance of management information systems in business organizations as well as the variety of applications of such systems in specific business functions
3 -	understand the strategic use of information systems and electronic business within organizations
4 -	understand widely used techniques, tools and methodologies used in the analysis and design of information systems
5 -	Discuss potential management and organizational challenges during implementation of information systems
6 -	Examine some of the social and ethical implications of using information systems

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
An overview of Management Information Systems (MIS), Objective of management information systems (MIS), management information systems (MIS) and CBIS family.	4	2	2
Stand-alone management information systems. A management information system model.	4	2	2
Management information systems in a total CBIS environment.	4	2	2
Database management system, the management dimension,	4	2	2
Database management system, the management dimension,	4	2	2
The managerial activities, the management control.	4	2	2
Management information characteristics: The management dimension in processing,	4	2	2
Management information characteristics: The management dimension in processing,	4	2	2

### **Course Topic And Contents :**

<b>Topic</b>	<b>No. of hours</b>	<b>Lecture</b>	<b>Tutorial / Practical</b>
Mid-Term Exam	2		
Functional applications of management information systems (MIS).	4	2	2
The production subsystem, the marketing subsystem	4	2	2
The finance subsystem, the personnel subsystem,	4	2	2
The relationship of the MIS to other CBIS	4	2	2
Final Exam	2		

### **Teaching And Learning Methodologies :**

Interactive Lectures including Discussions  
 Practical Lab Sessions  
 Self-Study (Reading Materials, Online Material, Presentations, Reports)  
 Case Studies

### **Course Assessment :**

<b>Methods of assessment</b>	<b>Relative weight %</b>	<b>Week No</b>	<b>Assess What</b>
Assignments	5.00	3	
Practical Exam	10.00	12	
Presentations	5.00	10	
Quizzes	5.00	5	
Team Work Projects	5.00	11	
Written Final Exam	40.00	14	
Written Midterm Exam (s)	30.00	9	

### **Course Notes :**

An Electronic form of the Course Notes and all the slides of the Lectures is available on the Students Learning Management System (Moodle)

### **Web Sites :**

[www.ekb.eg](http://www.ekb.eg)