



**Future Academy  
Higher Future Institute for Specialized Technological Studies**

**Course Specification**

<b>1- Course information:</b>	
<b>Course Code:</b>	<b>511</b>
<b>Course Title:</b>	<b>Management Information System</b>
<b>Year/level</b>	<b>2<sup>nd</sup> level</b>
<b>Academic Programs</b>	<b>Bachelor of BUSINESS ADMINISTRATION– ENGLISH</b>
<b>Contact hours/ week</b>	Theoretical lecture: 3hrs & section:2 hrs Total:5 hrs

<b>2- Course aims:</b>
<p><b>This course aims to provide students with the role</b> of technical aspects and emphasizes their practical use in organizations, particularly in enhancing organizational operations and altering business processes. It explores the role of information systems in decision-making, achieving a competitive advantage, and improving organizational efficiency. Additionally, the course examines various types of management information systems and their relationship with organizational operations, suppliers, customers, and e-commerce.</p>

**3- Intended learning outcomes of the course (ILOs):**

**a- Knowledge and understanding:**

**On successful completion of this course, the student should be able to:**

- a1- Understand the fundamental concepts of information systems and their components.
- a2-** Identify the types and functions of management information systems (MIS).
- a3- Recognize the role of MIS in supporting decision-making and achieving competitive advantages.
- a4- Explain the integration of MIS in organizational operations, supplier relationships, and customer interactions.

A5- Describe the impact of e-commerce and emerging technologies on businesses.

#### **b- Intellectual skills:**

**On completing this course, the student should be able to:**

- b1- Analyze business problems and determine how MIS can address them.
- b2- Evaluate the effectiveness of various information systems in organizational contexts.
- b3- Apply critical thinking to assess the role of MIS in achieving strategic goals.
- b4- Propose innovative solutions to improve organizational efficiency through MIS.

#### **c- Professional and practical skills:**

**At the end of this course, the student will be able to:**

- c1- Develop case studies focusing on real-world applications of MIS.
- c2- Utilize software and tools for digital marketing, media planning, and campaign analysis.
- c3- Apply MIS frameworks to design solutions for business operations.

#### **d- General and transferable skills:**

**On successful completion of this course, the student should be able to:**

- d1- Demonstrate effective written and oral communication skills in professional settings.
- d2- Demonstrate interactive skills through in-class discussion (tutorial discussion)
- d3- Collaborate with team members to solve MIS-related problems.

### **4- Course contents**

Week NO.	Topics/units	Number of hours		ILO's
		Lecture hours	Practical hours	
1-2	Introduction to Management Information Systems	6	4	a1, b1, b2
3	Types of Information Systems <ul style="list-style-type: none"><li>Transaction Processing Systems, Decision Support Systems, and Executive Information Systems</li></ul>	3	2	a1,a2, b1, b2
4	Information Systems and Business Processes <ul style="list-style-type: none"><li>Integration of MIS in business operations</li><li>Role in automating and improving workflows</li></ul> + Quiz 1	3	2	a1,a2, b1, b2
5-6	Information Systems and Business Processes	6	4	a2,a3,b1,b2, b3,d1

	<ul style="list-style-type: none"> <li>Integration of MIS in business operations</li> <li>Role in automating and improving workflows</li> </ul>			
<b>7</b>	<b>Mid-term Exam</b>	<b>3</b>	<b>2</b>	<b>a1,a2,b1,b3</b>
<b>8</b>	<b>Achieving Competitive Advantage with MIS</b>	<b>3</b>	<b>2</b>	<b>a3, a4,b3,c3,d2</b>
<b>9-10</b>	<b>E-commerce and MIS</b> <ul style="list-style-type: none"> <li>Role of MIS in e-commerce</li> <li>Impacts on supply chains and customer relationships</li> </ul>	<b>6</b>	<b>4</b>	<b>A4,a5,b4,c2, c3,</b>
<b>11-12</b>	<b>Emerging Technologies in MIS</b> <ul style="list-style-type: none"> <li>Artificial Intelligence, Machine Learning, and Cloud Computing</li> </ul> <b>+ Quiz 2</b>	<b>6</b>	<b>4</b>	<b>a3,a5,b2,b4</b>
<b>13</b>	<b>Case Studies and Practical Applications</b>			<b>C3,d2,d3,</b>
<b>14</b>	<b>Final Revision</b>	<b>3</b>	<b>2</b>	<b>a2,a3,</b>

### Teaching and learning methods

Methods	ILO's															
	a1	a2	a3	a4	Aa5	b1	b2	b3	b4	b5	c1	c2	c3	d1	d2	d3
<b>Lectures</b>	✓			✓	✓											
<b>Quizzes</b>		✓	✓		✓	✓										
<b>Practical sections</b>		✓	✓			✓		✓						✓	✓	✓
<b>Students Presentations</b>				✓					✓			✓	✓	✓		
<b>Brainstorming</b>						✓			✓	✓	✓				✓	✓
<b>Case study</b>			✓	✓			✓	✓		✓	✓				✓	✓

Discussion groups		✓					✓			✓		✓				
Problem-solving																
E-learning																
Blended learning																

## 5- Teaching and learning methods for Low-achieving students

- Extra teaching hours for those who need help
- More quizzes to assess their ability for understanding the course
- Encourage teamwork for those students with other advanced ones to increase their participation and understanding

## 6- Student assessment

Assessment method	Time	Grade weight (%)	Week	ILOs
Course Work ( Tutorial Exercise and Assignments)		10	Every week	b3,c, d1
Quiz 1	1	10	Week 4	a1,a2, b1, b2
Mid-term exam	1	20	Week 7	<b>a1,a2,b1,b3</b>
Quiz 2	1	10	Week 11	<b>a3,a5,b2,b4</b>
Final Written exam	2	50	----	a2,a4,a5,b1

## 7-List of references

### 8.1. Student notebooks:

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### 8.2. Essential textbooks:

- Laudon, K. C., & Laudon, J. P. (2020). *Management Information Systems: Managing the Digital Firm*. Pearson.

### 8.3. Recommended textbooks:

O'Brien, J. A., & Marakas, G. M. (2019). *Introduction to Information Systems*. McGraw-Hill Education.

#### **8.4. Journals, Periodical and Reports .....etc.**

- ☐ *IS Quarterly*
- ☐ *Journal of Information Systems*
- ☐ *International Journal of Information Management*

#### **8.5. Websites**

- ☐ [Harvard Business Review - Technology Section](#)
- ☐ [MIT Sloan Management Review](#)
- ☐ **Information Systems Research**

**Course Coordinator: Dr. Radwa Radwan**

**Head of department: Associate professor Dr. Mohamed Elbaz**

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