



COURSE SYLLABUS

I-Course Information :

Title of the course	Information Systems In Organization (MIS)
Department	Data Science
Specialization	
Academic Year	2020-2021
Semester Duration	
Credit Number	3
Number of Hours	30 Hours
Course Instructor	Hamssa Hasrouny
Email	hamssa.hasrouny@ul.edu.lb
Office Hours	

II- Course Description

This course provides an overview of information systems used by business firms today, while drawing connections between MIS and business performance. It introduces students to the fundamental concepts of management information systems. An information system requires an understanding of the organization, management, and information technology. An overview of the different types of information systems and business functional areas are discussed in context to the hierarchy. The relationship between organizations and technology are mediated by many factors such as environment, culture and structure, which are described in detail. The I.T. infrastructure, current trends in hardware, software, enterprise applications, data management, telecommunications and internet platforms are studied. Using real-world case studies, which describe how well-known companies use IT to solve problems and achieve business objectives.

This course is also designed to provide a foundation for integrated decision making across cross-functional areas of an organization. Developing and using information systems to support operational, tactical and strategic decision making in organizations is also explored. Effective decision making directly affects business competitiveness and sustainability.

III-Course Objectives

After taking this course, students should be able to:

- LO1: Define information systems and how they provide genuine value for organizations.
- LO2: Describe how information systems serve the different management groups and link the enterprise to improve organizational performance.
- LO3: Recognize the role of information systems in helping companies develop competitive strategies.
- LO4: Indicate the components and services of the IT infrastructure.
- LO5: List the current trends in computer hardware and software.



- LO6: Recognize the major capabilities of database management systems and how they help improve business performance and decision making.
- LO7: Explain the concept of networking, the Internet and wireless technology and the way they support organizational objectives.
- LO8: Identify the most important tools and technologies for safeguarding information resources.
- LO9: Explain how do different decision-making constituencies in organization use business intelligence and what is the role of information systems in helping people working in a group make decisions more efficiently.
- LO10: Define the principal methodologies for modeling and designing systems. Identify the alternative methods for building Information systems.
- LO11: Identify how have information systems affected laws for establishing accountability and liability and the quality of everyday life.

In order to achieve the objectives of the course, the following requirements must be met by the student:

- Scientific activities
- Academic regulations
- Academic work and perseverance
- 70% attendance and participation

IV- Course Outline and Calendar

Learning Objective	Session(s)	Learning Content	Pedagogical Strategy& Tools
LO1,2,3	1-2	Chapter1: Information Systems in Global Business Today	Power Point
LO1,2,3	3-4	Chapter2: Global E-business and Collaboration	
LO1,2,3	5-6	Chapter3: Information Systems, Organizations, and Strategy	
LO11	7-8	Chapter4: Ethical and Social Issues in Information Systems	
LO4,5	9-10	Chapter 5: IT Infrastructure and Emerging Technologies	
LO6	11-12	Chapter 6: Foundations of Business Intelligence: Databases and Information Management	
LO7	13-14	Chapter 7: Telecommunications, the Internet, and Wireless Technology	
LO8	15-16	Chapter 8: Securing Information Systems	
LO6,LO9	17-18	Chapter 12: Enhancing	



		Decision Making	
LO10	19-20	Chapter 13: Building Information Systems	
Final Exam			

P.S.: The course outline above may be modified during the semester.

V- Teaching approach & methods

- Online lectures and Power Point presentations to increase the students' participation and effective exposition of discussed issues
- Quizzes based on topics covered in class
- Case analysis or problem-solving exercises to stress the way students handle the required analyses
- Individual or Group Assignments

VI- Assessment Methods

The success of the student in this course is based on:

- 1- His/her active participation/ interaction during sessions.
- 2- His/her scientific contribution through research done outside the classroom.
- 3- His/her reading notes, research reports and exploring as requested by course instructor.

The assessment of the student is carried out according to the following grid:

Assessment Type	Final Grade Weighting (%)	Dates/Deadlines
Assignments(use cases) – Project-Quizzes	40%	
Final exam	60%	
Total	100%	

VII- Specific Course Requirements

1- Regulations concerning deadlines for written and applied work submissions

The teacher has the right to:

- Refuse to receive written applied work outside the deadlines.
- Give the student additional time after omitting up to 25% of the mark awarded to the concerned activity.

2- Academic measures in case of plagiarism

The student shall be liable to the following penalties in case of any attempt of illicit scientific citation:

- Cancellation of the student's contribution, activity or scientific article and reduction of the final mark.



- If the same offense is reported in other courses, cancellation of the final exam and failure in the relevant course(s).

VIII- Reference Book

- “Management Information Systems – Managing the Digital Firm”, Laudon K.C and Laudon. 15th edition. Publisher: Person. ISBN 9781292094373

IX- Bibliography& Additional Sources

- Textbook:
- Enterprise Information Systems: Concepts, Methodologies, Tools and Applications, Business science reference, Hershey - New York, 2011.
- Kroenke, D.M. and Boyle, R.J. (2016). Using MIS, 8th ed. Boston, MA: Pearson