OSTIM TECHNICAL UNIVERSITY
FACULTY OF ECONOMICS AND ADMINISTRATIVE SCIENCES
DEPARTMENT OF BUSINESS ADMINISTRATION
COURSE SYLLABUS FORM

MIS 131 **Management Information Systems**							
Course Name	**Course Code**	**Period**	**Hours**	**Application**	**Laboratory**	**Credit**	**ECTS**
Management Information Systems	MIS 131	5	3	-	1	3	4

Language of Instruction	English
Course Status	Compulsory
Course Level	Bachelor
Learning and Teaching Techniques of the Course	Lecture, Question-Answer, Problem Solving, Teamwork, Report Writing

Course Objective
This course aims at developing an understanding of Management Information Systems (MIS), which are essential for creating competitive firms, managing global corporations, adding business value and creating useful products and services for the customers; emphasizing the importance of MIS for business functions, such as Operations, Marketing, Finance, Accounting, and Human Resources: and demonstrating the use of some computer programs and application software.

Learning Outcomes
On successful completion of this course, students should be able to: 1. Recognize contemporary MIS theory and how information systems support business strategy, business processes, and practical applications in an organization. 2. Interrelate how various support systems can be used for business decisions and to sustain competitive advantage. 3. Describe how the Internet and World Wide Web provide a global platform for e-business, business mobility and communications, collaboration, and cloud computing. 4. Express the proven value of, and relationship between business data, data management, and business intelligence. 5. Analyze systems development and project management methodologies. 6. Combine analytical thinking, creativity and business-problem-solving as applied to ongoing MIS challenges, future trends, and relevant case studies.

Course Outline		
The course uses systems thinking to study the patterns of behavior we observe in real-world businesses, markets, economies, ecosystems, and human interactions and how these patterns relate to the structure of the underlying systems. In particular, we look at why so many business strategies generate disappointing results or outright failure. Students learn to conceptualize a business organization as a set of structures and policies that create dynamics and govern performance. The course introduces the tools of system dynamics for modeling and analyzing business policy and strategy.		
Weekly Topics and Related Preparation Studies		
Weeks	**Topics**	**Preparation Studies**
1	Introduction and Overview: Role of IS in Transforming Business	• CH1.1 How are information systems transforming business and why they so essential for running and managing a business today? (pp. 34-46=12)
2	Describing Information Systems and Disciplines of IS	• CH1.2 What is an information system? How does it work? What are the components? Why are complementary assets essential for ensuring that information systems provide genuine value for organizations? • CH1.3 What academic disciplines are used to study information systems, and how does each contribute to an understanding of information systems? (pp. 46-69=23)
3	Business Processes: Management Pyramid and Types of IS, and Role of IS Function in a Business	Global E-business and Collaboration • CH 2.1 What are business processes? How are they related to information systems? • CH 2.2 How do systems serve the different management groups in a business and how do systems that link the enterprise improve organizational performance? • CH 2.4 What is the role of the information systems function in a business? (pp.70-105=35)
4	The strategic role of IT in Organizations	• 3.1 Conducive organizational features for building and using IT successfully • 3.2 The impact of IS on organization • 3.3 Porter's competitive forces model, other models and their implications for IS and Organization • 3.4 Challenges posed by strategic information systems (pp. 108-149=41)
5	IT Infrastructure and Its Evolution	• CH 5.1What is IT infrastructure and what are the stages and drivers of IT infrastructure evolution? • CH 5.2 What are the Components of IT Infrastructure? (pp. 194-212=18)
6	Hardware and Software Components of IT	• CH 5.3 What are the current trends of computer hardware platforms? • CH 5.4 What are the current computer software platforms and trends? • CH 5.4 Challenges of Managing IT infrastructure and management solutions. (pp. 212-239=27)

7	Ethical and Social Issues	• CH 4.1 What ethical, social and political issues are raised by information systems, • CH 4.2 What specific code of conduct can be used to guide the ethical decisions? • CH 4.3 Protection of individual privacy and intellectual property. • CH 4.4 How have information systems affected laws (pp. 150-190=40)
8	**MIDTERM EXAM**	
9	Foundations of Business Intelligence	• CH 6 Foundations of Business Intelligence: Databases and Information Systems (pp. 242-278)
10	Building Information Systems: Organizational Change and Core Activities -Principal Methodologies	• CH 13.1 How does building new systems produce organizational change • CH 13.2 What are the core activities in the systems development process? • CH 13.3 What are the principal methodologies for modelling and designing systems? (pp. 520-538=18)
11	Building Information Systems: New Approaches	• CH 13.4 What are the alternative methods for building information systems • CH 13.5 What are new approaches for system building in the digital firm era? (pp. 538-556=18
12	Managing Information Systems Projects	• CH 14.2 What are the objectives of Project management, and why is it so essential in developing information systems? • CH 14.3 What are the principal risk factors in information systems projects? • CH 14.4 How can Project risks can be managed? (pp.558-588)
13	MIS and Business Internationalization	• CH 15.1 Major factors driving the internationalization of business • CH 15.2 Alternative strategies for developing global business. • CH 15.3 Challenges posed by global information systems • CH 15.4 Issues and alternatives to be considered when developing international information systems (pp. 590-619=29)
14	Presentations	• Database and webpage group projects in a sector
15	Presentations	• Database and webpage group projects in a sector
16	**FINAL EXAM**	

Textbook(s)/References/Materials:
TEXTBOOK: Laudon, C. and Laudon, J.P. (2022). Management Information Systems: Managing the Digital Firm (17th Edition). Prentice-Hall, ISBN-13: 9781292403281

Assessment		
Studies	**Number**	**Contribution margin (%)**
Attendance		
Lab		
Classroom and application performance grade	**1**	**10**
Field Study		
Course-Specific Internship (if any)		
Quizzes / Studio / Critical		
Homework	**10**	**10**
Presentation		
Projects		
Report		
Seminar		
Midterm Exam/Midterm Jury	**1**	**30**
General Exam / Final Jury	**1**	**50**
	Total	**100**
Success Grade Contribution of Semester Studies		**50**
Success Grade Contribution of End of Term		**50**
	Total	**100**

ECTS / Workload Table			
Activities	**Number**	**Duration (Hours)**	**Total Workload**
Course hours (Including the exam week: 16 x total course hours)	16	3	48
Laboratory			
Application			
Course-Specific Internship			
Field Study			
Study Time Out of Class	16	3	48
Presentation / Seminar Preparation			
Projects	1	5	5
Reports			
Homework	10	2	20
Quizzes / Studio Review			
Preparation Time for Midterm Exam / Midterm Jury	1	4	4
Preparation Period for the Final Exam / General Jury	1	4	4
Total Workload/25 hours	**(129/25 =5. 16)**		
ECTS	**5**		

Relationship Between Course Learning Outcomes and Program Competencies

No	Learning Outcomes	Contribution Level				
		1	2	3	4	5
LO1	Recognize contemporary MIS theory and how information systems support business strategy, business processes, and practical applications in an organization.					X
LO2	Interrelate how various support systems can be used for business decisions and to sustain competitive advantage.					X
LO3	Describe how the Internet and World Wide Web provide a global platform for e-business, business mobility and communications, collaboration, and cloud computing					X
LO4	Express the proven value of, and relationship between business data, data management, and business intelligence.					X
LO5	Analyze systems development and project management methodologies.					X
LO6	Combine analytical thinking, creativity and business-problem-solving as applied to ongoing MIS challenges, future trends, and relevant case studies in a real world project.					X

Relationship Between Course Learning Outcomes and Program Competencies)								
No	**Program Competencies**	**Learning Outcomes**						**TOTGAL EFFECT (1-5)**
		LO1	**LO2**	**LO3**	**LO4**	**LO5**	**L06**	
1	Know the basic concepts and practical information about the science of business administration and core business activities	x	x	x		x	x	5
2	Evaluate global and local issues by using ideas and concepts from the field of business administration; examine and analyze management related information and applications in line with scientific principles by using appropriate qualitative and quantitative methods; interpret and synthesize the data and find solutions to business related problems	x	x	x	x			4
3	Take responsibility as a member of an interdisciplinary team to solve unpredictable and complex business problems; be able to work effectively in teams of various functions and disciplines; effectively carry out project activities				x	x	x	3
4	Carry out independent studies in the field by utilizing obtained knowledge and skills			x	x	x	x	4
5	Set goals and objectives for the institution he/she works at; detect and solve basic problems; analyze the internal and external environment of the business; evaluate the developments, support continuous improvement and provide innovative strategies	**x**	**x**			x	x	4
6	Acquire the skill to manage activities aimed at the improvement of the employees as a leader, make decisions and implement them					x	x	2

7	Acquire the entrepreneurship skill; design and manage a business; promote innovativeness and sustainability	**x**	**x**	**x**	**x**	x	x	5
8	Maintain life-long learning activities; achieve self-improvement; follow higher level educational programs	**x**		**x**				2
9	Inform stakeholders with a sense of social responsibility as an individual with effective communication skills; share his/her emotions, thoughts and solutions to problems verbally and in writing; understand the behaviors and psychology of his/her colleagues	**x**	**x**	**x**		x	x	5
10	Use the information and communication technologies and computer software required by the field		**x**	**x**	**x**	x	x	5
11	Effectively use English to follow, read, write and speak about the universal information in the field of business and management sciences and be able to communicate with colleagues in a foreign language with professional proficiency	x	x	x	x		x	5
12	Act according to the law in all his/her affairs; have a sense of professional and ethical responsibility and code of business conduct and act in line with social values						x	1
13	Be aware of the contemporary business problems as well as the interdisciplinary scope of business administration and analyze these; have the competence to understand the effects of business and management sciences on these problems on a universal, environmental, legal, social and societal level and in terms of health, security and globalization	x		x	x	x	x	5
14	Give research proposals, be able to design research studies, prepare and present research reports				x	x	x	3
15	Manage work time and personal time; fulfil the requirements of his/her duties on time					x	x	2
16	Have the competence to work in non-governmental organizations, private sector and public entities				x	x	x	3
	TOTAL EFFECT	8	7	9	9	12	14	58

Policies and Procedures
Web page: https://www.ostimteknik.edu.tr/business-administration-1240/907
Exams: The exams aim at assessing various dimensions of learning: knowledge of concepts and theories and the ability to apply this knowledge to real-world phenomena, through analyzing the situation, distinguishing problems, and suggesting solutions. The written exams can be of two types, ie. open-ended questions, which can also be in the form of problems or multiple-choice questions. The case could also be carried to the Dean's Office for additional disciplinary action.
Assignments: Quizzes and Homework (Assignments) might be applicable. Scientific Research Ethics Rules are very important while preparing assignments. The students should be careful about citing any material used from outside sources and reference them appropriately.
Missed exams: Any student missing an exam needs to bring an official medical report to be able to take a make-up exam. The medical report must be from a state hospital.
Projects: Not applicable.
Attendance: Attendance requirements are announced at the beginning of the term. Students are usually expected to attend at least 70% of the classes during each term.
Objections: If the student observes a material error in his/her grade, he/she has the right toplace an objection to the Faculty or the Department. The claim is examined and the student is notified about its outcome.