



**OSTİM TECHNICAL UNIVERSITY  
FACULTY OF ECONOMICS AND ADMINISTRATIVE SCIENCES**

**COURSE SYLLABUS FORM  
2022-2023 FALL**

<b>MIS 131 Management Information Systems</b>							
Course Name	Course Code	Period	Hours	Application	Laboratory	Credit	ECTS
Management Information Systems	MIS 131	1	3	0	0	3	4

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

<b>Course Objective</b>
The aim of this course is to understand the importance of basic concepts of management information systems in the business world, to understand how the business world uses management information systems and infrastructures, and to recognize the usage areas of management information systems in businesses.

<b>Learning Outcomes</b>
<p>Upon successful completion of this course, a student will be able to:</p> <ul style="list-style-type: none"> <li>– understand the basic concepts of management information systems</li> <li>– explore the usage areas of management information systems in business life</li> <li>evaluate the role of information systems in today's competitive business environment</li> <li>– assess the relationship between the digital firm and information systems</li> <li>– have knowledge on subjects such as business intelligence, databases, information management, internet and telecommunication technology, E-commerce, project management</li> <li>– identify the major management challenges to building and using information systems in organizations</li> <li>– understand how an information system can solve a business problem</li> </ul>

<b>Course Outline</b>
The course starts with an introduction to management information systems and the importance of systems in achieving organizational goals. Topics include how to develop and maintain information systems to gain competitive advantage, to solve business problems, and to improve decision making. Then basics of computers, information systems technologies and communication technologies. This is followed by overview of different types of information systems. The term is completed by in-depth exploration of current trend in the information systems field.

<b>Weekly Topics and Related Preparation Studies</b>		
Weeks	Topics	Preparation Studies

1	Introduction, Information Systems in Global Business Today (Laudon and Laudon, Chap.1)	<ul style="list-style-type: none"> <li>– Information systems and dimensions</li> <li>– Transformation of businesses by information systems</li> <li>– Management, organization and technology components</li> <li>– Sociotechnical systems</li> </ul>
2	Global E-Business and Collaboration (Laudon and Laudon, Chap. 2)	<ul style="list-style-type: none"> <li>– Business processes</li> <li>– Information systems’ effect on business processes</li> <li>– Systems for different management groups</li> <li>– E-business, e-commerce, environment</li> <li>– Collaboration and social business</li> </ul>
3-4	Information Systems, Organizations, and Strategy (Laudon and Laudon, Chap. 3)	<ul style="list-style-type: none"> <li>– Organization</li> <li>– Feature of organizations</li> <li>– Porter’s Competitive Forces Model</li> <li>– Information strategies for dealing with competitive forces</li> <li>– Sustaining competitive advantages</li> <li>– The Business Value Chain</li> <li>– Core competencies</li> <li>– Aligning IT with business objectives</li> </ul>
5-6	Ethical and Social Issues in Information Systems (Laudon and Laudon, Chap. 4)	<ul style="list-style-type: none"> <li>– A model for thinking about ethical, social, and political issues</li> <li>– Key technology trends that raise ethical issues</li> <li>– Basic concepts: responsibility, accountability, and liability</li> <li>– Ethical analysis</li> <li>– Information rights: Privacy and freedom in the Internet Age</li> <li>– Property Rights: Intellectual Property</li> <li>– System quality</li> </ul>
7	IT Infrastructure and Emerging Technologies (Laudon and Laudon, Chap. 4)	<ul style="list-style-type: none"> <li>– Defining IT Infrastructure</li> <li>– Components of IT infrastructure</li> <li>– Current trends in computer hardware platforms</li> <li>– Quantum computing, virtualization, Cloud Computing</li> <li>– Current trends in computer software platforms</li> <li>– Challenges of managing IT infrastructure and management solutions</li> </ul>
<b>8</b>	<b>MIDTERM EXAM</b>	
9	Foundations of Business Intelligence:	<ul style="list-style-type: none"> <li>– The problems of managing data</li> </ul>

	Databases and Information Management (Laudon and Laudon, Chap. 6)	resources in a traditional file environment – Major capabilities of database management systems (DBMS) – Relational DBMS – Principal tools and technologies for accessing information – Information policy, data administration, and data quality
10-11	Telecommunications, the Internet, and Wireless Technology (Laudon and Laudon, Chap. 7)	- Principal components of telecommunications networks and key networking technologies – Types of networks – Internet and Internet technology principles, and their support to communication and e-business – Principal technologies and standards for wireless networking, communication, and Internet access
12	Securing Information Systems (Laudon and Laudon, Chap. 8)	– Vulnerabilities of information systems to destruction, error, and abuse – Business value of security and control – Components of an organizational framework for security and control – Most important tools and technologies for safeguarding information resources
13	Achieving Operational Excellence and Customer Intimacy: Enterprise Applications (Laudon and Laudon, Chap. 9)	– Enterprise systems – Supply chain management systems – Customer relationship management systems – Challenges and advantages of enterprise applications
14-15	E-Commerce: Digital Markets, Digital Goods (Laudon and Laudon, Chap. 10)	– Features of e-commerce, digital markets, and digital goods – Principal e-commerce business and revenue models – Business-to-business transactions – m-commerce applications
<b>16</b>	<b>FINAL EXAM</b>	

<b>Textbook (s)/References/Materials:</b>
<b>Textbook:</b> Management Information Systems – Managing the Digital Firm. Kenneth C. Laudon and Jane P. Laudon. Pearson Prentice Hall Publishers. 12th Global Edition. 2012.
<b>Supplementary References:</b> -
<b>Assessment</b>

Studies	Number	Contribution margin (%)
Attendance	1	10
Lab		
Classroom and application performance grade	1	10
Field Study		
Course-Specific Internship (if any)		
Quizzes / Studio / Critical		
Homework		
Presentation		
Projects		
Report		
Seminar		
<b>Midterm Exam/Midterm Jury</b>	<b>1</b>	<b>20</b>
<b>General Exam / Final Jury</b>	<b>1</b>	<b>60</b>
	<b>Total</b>	<b>100</b>
<b>Success Grade Contribution of Semester Studies</b>		<b>40</b>
<b>Success Grade Contribution of End of Term</b>		<b>60</b>
	<b>Total</b>	<b>100</b>

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	16	1	16
Course-Specific Internship			
Field Study			
Study Time Out of Class	16	5	80
Presentation / Seminar Preparation			
Projects			
Reports			
Homework			
Quizzes / Studio Review			
Preparation Time for Midterm Exam / Midterm Jury	1	30	30
Preparation Period for the Final Exam / General Jury	1	30	30
<b>Total Workload/25 hours</b>		<b>(204/25= 8.16)</b>	
<b>ECTS</b>		<b>4</b>	

Course' Contribution Level to Learning Outcomes	
	Contribution

No	Learning Outcomes	Level				
		1	2	3	4	5
<b>LO1</b>	to understand the basic concepts of management information systems					X
<b>LO2</b>	to explore the usage areas of management information systems in business life					X
<b>LO3</b>	to evaluate the role of information systems in today's competitive business environment					X
<b>LO4</b>	to assess the relationship between the digital firm and information systems					X
<b>LO5</b>	to have knowledge on subjects such as business intelligence, databases, information management, internet and telecommunication technology, Ecommerce, project management					X
<b>LO6</b>	to identify the major management challenges to building and using information systems in organizations					X
<b>LO7</b>	to understand how an information system can solve a business problem					X

Relationship Between Course Learning Outcomes and Program Competencies									
No	Program Competencies	Learning Outcomes							Total Effect (1-5)
		LO1	LO2	LO3	LO4	LO5	LO6	LO7	
1	Have advanced theoretical and up-to-date knowledge in discipline-specific areas such as international trade, finance, logistics, and general business and international business such as economics, marketing, management, accounting.	X	X		X		X	X	5
2	Evaluate, follow, absorb and transfer new information in the field of international trade.	X	X			X	X	X	5
3	Conduct market research, carry out projects and develop strategies for a business to open up to international markets.	X	X	X	X			X	4
4	Use knowledge of national and international trade law and legislation in the management of international commercial operation processes.					X	X	X	3
5	Work independently and within an organization, using the knowledge and skills acquired in the field and adopting continuous learning.	X	X			X	X	X	5
6	Have the ability to apply her theoretical knowledge in real life, with the experience she will gain through practice in departments such as marketing, accounting, foreign trade, finance, logistics.	X	X	X	X			X	5
7	Have the theoretical knowledge to carry out export, import, customs clearance, logistics, taxation and other international trade activities within the scope of global and regional commercial and economic organizations.			X	X			X	3
8	Can develop a business idea, commercialize the business idea, and design and manage their own venture using their entrepreneurial knowledge.	X	X	X			X	X	5
9	Using strategic, critical, innovative and analytical thinking skills, actively take part in the decision-making processes of the enterprise in the field of foreign trade and finance.	X		X		X	X		4
10	Act in accordance with ethical values, respectful to the environment, social and universal values in all activities it will carry out in its field.				X	X	X	X	4
11	Have the skills to follow up-to-date information at national and international level, to gather information about field, and to communicate with international institutions / organizations using her/him knowledge of English and a second foreign language of her choice.	X	X			X	X	X	5
12	Gain professional competencies to take charge in national and international businesses, public and private sector organizations	X	X			X	X	X	5

13	Can evaluate the problems and conflicts encountered in all areas related to international trade from different perspectives with a holistic approach and produce value-based solutions.	X	X			X	X	X	5
<b>Total Effect</b>									58

<b>Policies and Procedures</b>	
<b>Web page:</b> <a href="https://www.ostimteknik.edu.tr/uluslararasi-ticaret-ve-finansman-bolumu-209">https://www.ostimteknik.edu.tr/uluslararasi-ticaret-ve-finansman-bolumu-209</a> <a href="https://www.ostimteknik.edu.tr/international-trade-and-finance-232">https://www.ostimteknik.edu.tr/international-trade-and-finance-232</a>	
<b>Exams:</b> The midterm exam will be held with a test technique including multiple choice or true/false questions. All students are responsible for obeying the necessary rules while solving the midterm exam questions. The final exam will be held with a test technique including multiple choice or true/false questions. All students are responsible for obeying the necessary rules while solving the final exam questions.	
<b>Assignments:</b> Not applicable	
<b>Missed exams:</b> 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.	
<b>Projects:</b> Not applicable	
<b>Attendance:</b> 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.	
<b>Objections:</b> If the student observes a material error in his/her grade, he/she has the right to place an objection to the Faculty or the Department. The claim is examined and the student is notified about its outcome.	