

COURSE INFORMATION					
Course Title	Code	Semester	L+P+L Hour	Credits	ECTS
Management Information Systems	CIS509		3+0+0	3	10

Prerequisites	-
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Language of Instruction	English
Course Level	Master's Degree
Course Type	Elective
Course Coordinator	Assist. Prof. Çağla Özen
Instructors	Assist. Prof. Çağla Özen
Assistants	
Goals	Understand the role of Information Systems in organizations. Understand the IT implications of a particular business need or problem. Learn how Ecommerce has changed how we do business. Understand the impact of technological change in accessing and disseminating information. Be able to use information systems as a resource in decision making.
Content	Topics include Introduction to the development of information systems, the portfolio of the application development, and requirement analysis and determination, structured analysis development strategy, application prototype development strategy, and systems design, designing of computer output, input-output, and online dialogue; design of files and use of auxiliary devices; the design of database interaction, and data communications; quality assurance; management of system implementation and MIS development, and hardware and software selection.

Learning Outcomes	Program Learning Outcomes	Teaching Methods	Assessment Methods
1) Understand the modern IT systems, and the forces and trends that influence these systems through technological, organizational, social and managerial perspectives.	2,3,6	1,2,3	A,C
2) List the names and functions of latest IT systems.	2,3,6	1,2,3	A,C
3) Understand the processes of designing, developing and deploying IT systems established according to the specific needs of companies.	2,3,4	1,2,3	A,C
4) Design and analyze the components of an IT system, specifically built to solve a given problem.	1,2,3,4	1,2,3,12	A,C
5) Know the essential components of IT systems, understand the methods used to deploy IT systems, balancing the factors related to the organization, technology and management, and finally analyze problems.	2,3,4,6,8	1,2,3,12	A,C

Teaching Methods:	1: Lecture, 2: Question-Answer, 3: Discussion, 4: Simulation, 5: Case Study
Assessment Methods:	A: Testing, B: Presentation, C: Homework, D: Project, E: Laboratory

COURSE CONTENT

Week	Topics	Study Materials
1	Information Systems in Global Business Today	
2	Global E-Business: How Businesses Use Information Systems	
3	Information Systems, Organizations, and Strategy	
4	Ethical and Social Issues in Information Systems	
5	IT Infrastructure and Emerging Technologies	
6	Midterm	
7	Foundations of Business Intelligence: Databases and Information Management	
8	Telecommunications, the Internet, and Wireless Technology	
9	Securing Information Systems	
10	Achieving Operational Excellence and Customer Intimacy: Enterprise Applications	
11	E-Commerce: Digital Markets, Digital Goods	
12	Managing Knowledge, Chp. 12 Enhancing Decision Making	
13	Building Information Systems	
14	Project presentations	

RECOMMENDED SOURCES

Textbook	Laudon, Kenneth C. and Jane P. Laudon , 2010, "Management Information Systems: Managing the Digital Firm", 11th Edition, Prentice-Hall. Inc. <i>(the copy in the library is 9th edition, its code is T58.6/.M36 L372)</i>
Additional Resources	vakalar

MATERIAL SHARING

Documents	Course slides
Assignments	Cases
Exams	

ASSESSMENT

IN-TERM STUDIES	NUMBER	PERCENTAGE
Mid-terms	1	50
Quizzes		
Assignment	2	50
	Total	100
CONTRIBUTION OF FINAL EXAMINATION TO OVERALL GRADE		40
CONTRIBUTION OF IN-TERM STUDIES TO OVERALL GRADE		60
	Total	100

COURSE CATEGORY	Expertise/Field Courses
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DERSİN PROGRAM ÇIKTILARINA KATKISI

No	Program Öğrenme Çıktıları	Katkı Düzeyi				
		1	2	3	4	5
1	Information Systems graduates have the knowledge and the skills to design and develop the complete systems for multi-media visual user interface.					X
2	Information Systems graduates have advanced the knowledge and skills to design, develop and install the application systems for multi-media.					X
3	Information Systems graduates have the knowledge and the skills to design, develop and apply algorithms and data structures to solve the basic problems of information processing, within the framework of discrete mathematics.					X
4	Information Systems graduates have the knowledge and the skills to design and develop computer applications, based on user specified requirements, using modern structured development tools and install them on various hardware platforms and deploy their usage.		X			
5	Information Systems graduates have the knowledge and the skills to design and develop computer applications, based on user specified requirements, using modern object-oriented development tools and install them on various hardware platforms and deploy their usage.	X				
6	Information Systems graduates know the logic of computer operating systems, the basic set of system commands, how to control access to system resources by users of different departments and how to monitor the running of jobs in the system.		X			
7	Information Systems graduates have the knowledge and the skills to design and develop data models serving different requirements, database applications that would access and process data using various types of software, including queries, reports and business applications.	X				
8	Information Systems graduates have the knowledge and the skills to design and develop business applications that would provide data access, modification and processing for data kept in enterprise database systems.		X			
9	Information Systems graduates have the knowledge about computer networks, and have the skills to design, develop and monitor computer networks, how to configure them and how to maintain their performance.	X				
10	Information Systems graduates have the knowledge and the skills to design and develop visual user interfaces for the web, web-based applications for n-tier client/server configurations, how to deploy them in enterprises.	X				

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION

Activities	Quantity	Duration (Hour)	Total Workload (Hour)
Course Duration (Including the exam week: 16x Total course hours)	14	3	42
Hours for off-the-classroom study (Pre-study, practice)	14	5	70

Mid-term	2	3	6
Quiz	6	8	48
Term Project	2	40	80
Final	1	3	3
Total Work Load			249
Total Work Load / 25 (h)			9.96
ECTS Credit of the Course			10