

COURSE PROFILE

Course Name	Code	Semester	Term	Theory+PS+Lab (hour/week)	Local Credits	ECTS
Management Information Systems	MIS221	Fall	3	3 +0 + 0	3	7

Prerequisites	None
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Course Language	English
Course Type	Required
Course Lecturer	Assoc. Prof. Dr. Vedat Çoskun
Course Assistant	Büsra Özdenizci
Course Objectives	This course aims to introduce concepts, approaches related to information systems and demonstrate how they are assessed and used in business with cases and applications.
Course Learning Outcomes	Upon successful completion of the course, students will: <ul style="list-style-type: none">• understand differences between data, information, and knowledge• understand IS from functional, constituency and integration perspectives• be able to analyse and apply the logical links between IT, Management and operational elements• be able to evaluate how IT can be used to achieve and sustain competitive advantage• understand business intelligence (data mining, knowledge-information management) concepts and methods• be able to analyse the operational, managerial, and strategic processes associated with IS management• learn organizational IS architectures and enterprise systems applications.
Course Content	Information systems and the organization. Importance of timely, accurate and relevant information for decision making. Levels of management and information needs. Integration and coordination of individual business information systems. Applications.

COURSE CONTENT

Week	Subjects	Related
1	Information Systems in Global Business Today	
2	Global E-Business: How Businesses Use Information Systems	
3	Global E-Business: How Businesses Use Information Systems	
4	Information Systems, Organizations, and Strategy	
5	Information Systems, Organizations, and Strategy	
6	Achieving Operational Excellence and Customer Intimacy	
7	Managing Knowledge	
8	Enhancing Decision Making	
9	Building Systems	
10	Managing Global Systems	
11	IT Infrastructure and Emerging Technologies	
12	Foundations of Business Intelligence	
13	Business Value of IS and Managing Change	
14	Ethical and Social Issues in IS	

Course Textbook	Management Information Systems: Managing the Digital Firm Laudon & Laudon, Prentice Hall, 12th Ed. ISBN-13: 9780273754534
Recommended References	

Semester Requirements	Number	Percentage of Grade
Attendance/Participation		
Laboratory		
Application		
Special Course Internship (Work Placement)		
Quizzes/Studio Critics	2	20
Homework Assignments	1	10
Presentation		
Project		
Seminar/Workshop		
Midterms/Oral Exams	2	40
Final/Resit Exam	1	30
Total		100

PERCENTAGE OF SEMESTER WORK		70
PERCENTAGE OF FINAL WORK		30
Total		100

Course Category	Core Courses	X
	Major Area Courses	
	Supportive Courses	
	Media and Management Skills Courses	
	Transferable Skill Courses	

COURSE'S CONTRIBUTION TO PROGRAM

#	Program Qualifications / Outcomes	* Level of Contribution				
		1	2	3	4	5
1	A foundation in mathematics and basic sciences and ability to apply acquired knowledge as they relate to the study and practice of information technology	X				
2	An ability to analyze a problem, identify and define the computing requirements appropriate to its solution, to understand, select and use appropriate technology, tools, standards, protocols, building blocks, and components to solve the problem					X
3	An ability to propose, analyze, design, develop, test and maintain an information technology system including software solutions, security model, computer and network infrastructure, information systems etc. to solve information technology problems					X
4	An ability to analyze local and global impact of computing on individuals, organizations and society; and the ability to apply information technology techniques, skills, and tools for regular computing practices as well as to improve effectiveness of current methodologies					X
5	An ability to effectively communicate in oral and written media with all kinds of related audiences; and prepare documentation for this purpose as required					X
6	An understanding of professional, ethical, legal, and social issues and responsibilities of information technology profession					X
7	A taste and breadth of knowledge across several social topics outside the immediate requirements of the information technology profession, and the ability to work within heterogeneous teams to accomplish a common goal including people from the information technology area as well as other disciplines					X
8	An ability to engage in life-long learning and professional development for personal improvement to follow contemporary information technology issues	X				

*1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest

**ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE
DESCRIPTION**

Activities	Number	Duration	Total Workload
Course Hours (Including Exams)	14	3	42
Tutorials			
Laboratory			
Application			
Special Course Internship (Work			
Field Work			
Study Hours Out of Class	14	4	56
Presentations / Seminar			
Project			
Preparatory reading	14	5	70
Homework Assignments	1	5	5
Quizzes	2	1	2
Midterm Exams	2	2	4
Final / Resit Exam	1	2	2
		Total Workload	181

COURSE CATEGORY

ISCED GENERAL AREA CODES	GENERAL AREAS	ISCED BASIC AREA CODES	BASIC EDUCATIONAL AREAS	
1	Education	14	Teacher Training and Educational Sciences	0
2	Humanities and Art	21	Art	0
2	Humanities and Art	22	Humanities	0
3	Social Sciences, Management and Law	31	Social and Behavioural Sciences	50
3	Social Sciences, Management and Law	32	Journalism and Informatics	0
3	Social Sciences, Management and Law	38	Law	0
4	Science	42	Life Sciences	0
4	Science	44	Natural Sciences	0
4	Science	46	Mathematics and Statistics	0
4	Science	48	Computer	50
5	Engineering, Manufacturing and Civil	52	Engineering	0
5	Engineering, Manufacturing and Civil	54	Manufacturing and Processing	0
5	Engineering, Manufacturing and Civil	58	Architecture and Structure	0
6	Agriculture	62	Agriculture, Forestry, Livestock, Fishery	0
6	Agriculture	64	Veterinary	0
7	Medicine and Welfare	72	Medical	0
7	Medicine and Welfare	76	Social Services	0
8	Service	81	Personal Services	0
8	Service	84	Transport Services	0
8	Service	85	Environment Protection	0
8	Service	86	Security Services	0