



MARMARA UNIVERSITY - FACULTY OF ENGINEERING

2017-2018 Spring

CSE4056 Management of Information Systems

COURSE DESCRIPTION FORM

Offering Department	Department of Computer Engineering		Technical Elective							
Course Code	CSE4056									
Course Name	Management of Information Systems									
Language of Instruction	English									
ECTS	5									
Contact Hours	Theoretical (T): 3	Practice (P): 0	Laboratory(L): 0							
Pre-requisites										
Instructor	Name									
	E-mail									
Course Materials	Mandatory	Management Information Systems, 11th edition, Ken Laudon, Jane Laudon, Prentice Hall, 2010								
	Recommended									
Course Objectives	It aims to teach Information Systems which will serve the information needs of an institution.									
Course Content	Information systems in today's global business approach; Global e-business; Information system, institutions and strategy; Ethical and social issues in information systems; Information technology infrastructure and developing technologies; Fundamentals of business intelligence: Database and information management; Telecommunications, internet and wireless; Information systems security; Operational excellence and customer proximity; E-commerce: Virtual markets, virtual products; Management of information and cooperation; Strengthen decision making; Building information systems; Project management.									
Learning Outcomes	LO1	Analyze the potential of information systems to support corporate strategy and objectives. To apply knowledge systems techniques knowledge to an institution.								
	LO2	Evaluate technological infrastructures to support the business in information age institutions.								
	LO3	Evaluate institutional and ethical issues related to the supply and management of information systems services.								
	LO4	Identify and analyze the management issues of selecting, developing and implementing information systems								
	LO5	Apply knowledge systems techniques knowledge to an institution								
Program Outcomes		LO1	LO2	LO3	LO4	LO5				
PO3	Ability to design a complex system, process, device or product under realistic constraints and conditions, in such a way so as to meet the desired result (a); ability to apply modern design methods for this purpose (b).	a	a	a	a	a				
PO13	Knowledge of mathematics, basic sciences (a), computer science (b) and engineering sciences (c) required for the design and analysis of complex electrical and electronic devices, software and systems including hardware and software.	a,b				a,b				
Subjects (Knowledge, Skills and Behaviours), Contributions of Subjects to Learning Outcomes, Assessment Methods	No	Week	Subjects	LO1	LO2	LO3	LO4	LO5		
	S1	1	Information systems in today's global business approach	H						
	S2	2	Global e-business: How business uses information systems	H						
	S3	3	Information system, institutions and strategy	H	H					
	S4	4	Ethical and social issues in information systems			H				
	S5	5	Information technology infrastructure and developing technologies		H					
	S6	6	Basics of business intelligence: Database and information management	MF	H		MF			
	S7	7	Telecommunications, internet and wireless		H					
	S8	8	Information systems security		H					
	S9	9	Gaining operational excellence and proximity to customers: Corporate applications	H						
	S10	10	E-commerce: Virtual markets, virtual products		H					
	S11	11	Information and cooperation management	MF	H			H, MF		
	S12	12	Strengthen decision making	MF	MF			H, MF		
	S13	13	Building information systems					H, MF	H	
S14	14	Project management					H, MF	H		
Assessment	No	Type	Weight	Implementation Rule		Make-up Rule				

Methods and Weights	MF	Midterm Final	76%	One midterm, one final exam. Exams, books and all course materials are made off. Use of a calculator is allowed.	Marmara University regulations will be followed for make-up exams.									
	H	Homework	24%	The deadline for the assignment of the assignments is two weeks after the assignment. Late delivery is not accepted. Zero is taken from the unreported assignment. A total of 4 assignments are given.										
	TOTAL		100%											
Determining Letter Grades	<ul style="list-style-type: none"> The letter grades will be determined based on the midterm and final exams and homeworks. In order to determine the letter grade, a curve or catalog based method will be followed based on the total average scores of the students. The final exam score and the total average score of the student must be at least 35 to pass the course. According to Marmara University Undergraduate regulations, the weight of the final exam must be at least 40 out of 100. 													
	<table border="1"> <tr> <td>Assessment</td> <td>Midterm</td> <td>Homework</td> <td>Final</td> <td>TOTAL</td> </tr> <tr> <td>Weight</td> <td>36</td> <td>24</td> <td>40</td> <td>100</td> </tr> </table>					Assessment	Midterm	Homework	Final	TOTAL	Weight	36	24	40
Assessment	Midterm	Homework	Final	TOTAL										
Weight	36	24	40	100										
Teaching Method, Student Work Load	Time Applied by Instructor													
	No	Method	Explanation		Hours									
	1	Lectures	Lectures are given in class using the board or via presentations. Example questions are solved to enhance the concepts.		14x3=42									
	2	Problem Session/ Practice	Problems related to the course topics are solved on the board.		-									
	3	Laboratory	Experiments are done in the laboratory or theoretical concepts covered during the lectures are practiced using computer exercises.		-									
	4	Interactive Courses	Questions are asked to students during lectures and they are encouraged to guess the answers (peer learning is also in this category)		-									
	5	Field Work	Students attend activities outside the campus.		-									
	6	Midterm	Midterm exam is given during the midterm week.		2									
	7	Final	Final exam is given during the final exam week.		2									
	Estimated Time to be Allocated by a Student													
	8	Project	The students carry out research about the problem given in the project, design and implement their solution and prepare a report.											
	9	Homeworks	The students solve the problems given as homework.		4*8=32									
	10	Pre-class learning of Course Material	The students study and learn the new subjects from course materials.											
11	Review of Course Material	Students review the course subjects from course materials to prepare for the exams and homeworks.		42										
12	Office Hour	Students ask questions to the instructor or the assistant during office hours.		2										
TOTAL				122										
Academic Honesty	Violations of scholastic honesty include, but are not limited to cheating, plagiarizing, fabricating information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students.													
	In case academic dishonesty is observed, the first authority is the instructor of the course. The instructor may decide to give the student zero for the homework(s)/lab(s)/exam(s), give the letter grade FF, or may take disciplinary action.													