

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
INFORMATION SYSTEMS and E-BUSINESS	ULY4170740	Fall Semester	3+0	3	5
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Elective				
<b>Course Coordinator</b>	Assist.Prof. Recep ÖZSÜRÜNÇ				
<b>Name of Lecturer(s)</b>	Assist.Prof. Recep ÖZSÜRÜNÇ				
<b>Assistant(s)</b>					
<b>Aim</b>	is to learn the information systems of companies, their transformation processes into e-businesses, what kind of stages they go through in the digital transformation process and to understand the appropriate company strategies.				
<b>Course Content</b>	This course contains; Information systems and e-business concepts and other basic concepts,e-business transformation processes,Entry processing and decision support systems,Systems for business functions,Enterprise applications.,Information systems and integration,Data Mining processes,Data Mining processes-continue,Information technologies used in business,Information technologies used in business (continue),Developing Business/IT Strategies,Developing Business/IT Solutions,Security and Ethical Challenges,Enterprise and Global Management of Information Technology.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
1. Will be able to define information systems.			16, 9	A, F	
1.1. Defines customer relationship management.					
1.2. Defines decision support systems.					
1.3. Defines supply chain management					
2. Will be able to define e-business and e-business transformation processes.			16, 9	A, F	
2.1. Defines e-businesses.					
2.2. Defines e-business processes.					
3. Will be able to tell which information systems categories are used for each department of the company.			16, 9	A, F	
3.1. What categories of information systems separate for the finance and accounting department.					
3.2. Distinguishes which categories of information systems are used for the marketing department.					
3.3. Determines which information systems will be used for the Human Resources management department.					
4. Will be able to give the details about Digital Markets and Digital Products.			16, 9	A, F	
4.1. Distinguishes digital markets.					
4.2. Distinguishes digital products.					
5. Will be able to manage Knowledge and Artificial Intelligence			16, 9	A, F	
5.1. Manages information.					
5.2. Manages Artificial Intelligence					
<b>Teaching Methods</b>	16: Question - Answer Technique, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam, F: Project Task				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Information systems and e-business concepts and other basic concepts				
2	e-business transformation processes				
3	Entry processing and decision support systems				
4	Systems for business functions				
5	Enterprise applications.				
6	Information systems and integration				
7	Data Mining processes				
8	Data Mining processes-continue				
9	Information technologies used in business				
10	Information technologies used in business (continue)				
11	Developing Business/IT Strategies				
12	Developing Business/IT Solutions				
13	Security and Ethical Challenges				
14	Enterprise and Global Management of Information Technology				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
(Midterm Exam) Project Assignment		%100			
Midterm Exam		40			
General Exam		60			

**Resources**

Laudon, K. C. and Laudon, J. P. (2018). Management Information Systems: Managing the Digital Business. Pearson. Translated by: Prof. Dr. Uğur Yozgat (Nobel Publications)Kul, R. H. (2013). Information Systems: Fundamentals and Applications. Papatya Publishing.

James O'Brien, George Marakas - Management Information Systems, 10th Edition -McGraw-Hill\_Irwin (2010)