

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
LOGISTICS INFORMATION SYSTEMS	ULY3257410	Spring Semester	3+0	3	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. Gonca Reyhan AKKARTAL				
Name of Lecturer(s)	Assist.Prof. Burak KÜÇÜK				
Assistant(s)					
Aim	In addition to have general knowledge about logistics information systems, to gain basic comprehension about database concept, information network traffic, geographic information systems, vehicle-tracking systems, RFID, information traffic in supply chain and to develop ability to use an ERP software at basic level.				
Course Content	This course contains; Information Systems, basic concepts,Information Systems Types, classifications,Information Systems Types, classifications,Information systems, institutions and strategic tools,Information systems, institutions and strategic tools,Hardware and software for information systems,Database and communication for information systems,Enterprise Resource Planning,Information systems for operational competence,Development of systems and management of change,Project management: establishment of operating values of systems and management of change,ERP software presentation,ERP software presentation.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1.0. Enlist the role of information systems in enterprises.			13, 14, 16, 9	A	
1.1. Describe in which areas information technologies can be used in logistics			13, 14, 16, 9	A	
1.2. Compare the processes that the logistics companies will benefit from the information systems in different departments			13, 14, 16, 9	A	
2.0. Enlist the contribution of information systems to the logistics process.			13, 14, 16, 9	A	
2.1. Describe logistics software technologies			13, 14, 16, 9	A	
2.2. Compare the use of information systems in logistics companies			13, 14, 16, 9	A	
3.0. Enlist the ability to use an logistics information systems at basic level.			10, 16, 4, 9	A	
3.1. Describe RFID technology and its fields of use			13, 14, 16, 9	A	
3.2. Compare WMS, APS and ERP softwares			10, 16, 4, 9	A	
4.0. Enlist integration levels of information systems into logistics process			13, 14, 16, 9	A	
4.1. Describes geographic positioning systems in logistics			13, 14, 16, 9	A	
4.2. Compare EDI and VMS systems			13, 14, 16, 9	A	
5.0. Will be able to list the components of modern logistics			13, 14, 16, 9	A	
5.1. Describe the effects of the use of cryprocurrencies in logistics and international trade			13, 14, 16, 9	A	
5.2. Compare information systems used for optimization in logistics			13, 14, 16, 9	A	
Teaching Methods	10: Discussion Method, 13: Case Study Method, 14: Self Study Method, 16: Question - Answer Technique, 4: Inquiry-Based Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	Information Systems, basic concepts				
2	Information Systems, basic concepts				
3	Information Systems Types, classifications				
4	Information Systems Types, classifications				
5	Information systems, institutions and strategic tools				
6	Information systems, institutions and strategic tools				
7	Hardware and software for information systems				
8	Database and communication for information systems				
9	Enterprise Resource Planning				
10	Information systems for operational competence				
11	Development of systems and management of change				
12	Project management: establishment of operating values of systems and management of change				
13	ERP software presentation				
14	ERP software presentation				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
(General Exam) Homework		10			
General Exam		60			

Resources

Bilişim Sistemleri Temelleri ve Uygulamaları, Dr. Rıza Haluk Kul, Papatya Publication, ISBN: 978-975-6797-96-9, February 2013.Information Systems in Logistics and Transportation (Bernhard Tilanus), Lojistik Bilgi Sistemleri (Yrd. Doç. Dr. Muharrem Bakkal), Ulukom ERP software