

GEOGRAPHICAL INFORMATOIN SYSTEM

1	Course Title:	GEOGRAPHICAL INFORMATOIN SYSTEM	
2	Course Code:	ORMS215	
3	Type of Course:	Optional	
4	Level of Course:	Short Cycle	
5	Year of Study:	2	
6	Semester:	3	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	1.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	2	
11	Prerequisites:	NONE	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Öğr. Gör. Dr. NURHAN SÜMER	
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları	
16	Contact information of the Course Coordinator:	nsumer@uludag.edu.tr Uludağ Üniversitesi Büyükorhan Meslek Yüksekokulu, Orhan Mah., Dr. İbrahim Öktem Cad., No: 28, 16990 Büyükorhan/Bursa Telefon : +90 (224) 8412439	
17	Website:		
18	Objective of the Course:	To make mapping application of Geographic information systems	
19	Contribution of the Course to Professional Development:	Students who complete this program learn the operation and features of the geographical information system. Learns the GIS programs.	
20	Learning Outcomes:		
		1	To analyze the concept of Geographic Information Systems
		2	Understanding the components of Geographic Information System
		3	To be analyze Geographic Information System working
		4	Interpret the usage of Geographic Information System
		5	To be able to analyze data models with purpose GIS
		6	Geographic Information System to analyze the basic functions
		7	Geographic Information System to prepare the data behind
		8	Hardware to use Geographic Information System
		9	
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	

1	Definition and components of geographic information systems	Definition of geographic information systems
2	Application areas of geographic information systems	Examples of application areas of geographic information systems
3	Disciplines related to geographic information systems	Introduction of geographic information systems disciplines
4	Data collection methods for GIS purposes	Data collection methods for GIS purposes
5	Data collection methods for GIS purposes	Data collection methods for GIS purposes
6	Data collection methods for GIS purposes	Data collection methods for GIS purposes
7	Map projections	Map projections
8	Course repetition and Midterm Exam	Course repetition and Midterm Exam
9	Database structures and management	Database structures and management samples
10	Spatial data presentation and organization	Spatial data presentation and organization
11	GIS location based analysis	GIS location based analysis
12	GIS subsystems	Presentation of GIS subsystems
13	GIS applications	GIS applications
14	GIS applications	GIS applications

22	Textbooks, References and/or Other Materials:	Yomralıoğlu T., 2005, Basic Concepts and Applications of Geographic Information Systems, KTÜ publications, Trabzon Turoğlu H., 2008, Fundamentals of Geographical Information Systems, Çantay Bookstore, İstanbul
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Activites		Number	Duration (hour)	Total Work Load (hour)
Midterm Exam	1	40.00	1.00	14.00
Theoretical	1	40.00		
Practicals/Labs		14	2.00	28.00
Home work-project	10	10.00	3.00	42.00
Self study and preperation	1	14		
Homeworks		0	0.00	0.00
Total Projects	2	100.00	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams	1		2.00	2.00
Contribution of Final Exam to Success Grade		60.00		
Others		0	0.00	0.00
Total Final Exams		100.00	4.00	4.00
Total Work Load				90.00
Total work load/ 30 hr		Undergraduate Education Regulation.		3.00
ECTS Credit of the Course				3.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	2	2	3	4	3	3	3	4	0	0	0	0	0	0	0	0
ÖK2	2	2	2	2	1	3	3	3	0	0	0	0	0	0	0	0
ÖK3	2	2	2	1	2	1	3	2	0	0	0	0	0	0	0	0
ÖK4	2	2	2	1	3	2	2	1	0	0	0	0	0	0	0	0

ÖK5	2	1	1	2	2	2	2	1	0	0	0	0	0	0	0	0
ÖK6	1	1	3	1	3	2	1	2	0	0	0	0	0	0	0	0
ÖK7	1	3	3	2	3	3	4	4	0	0	0	0	0	0	0	0
ÖK8	2	2	5	3	2	5	4	4	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			