	REMOTE SENSING A	AND G	IS IN LANDSCAPE PLANNING						
1	Course Title:	REMOT	E SENSING AND GIS IN LANDSCAPE PLANNING						
2	Course Code:	PYZ3008							
3	Type of Course:	Compulsory							
4	Level of Course:	First Cycle							
5	Year of Study:	3							
6	Semester:	6							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Prof. Dr.	Murat Zencirkıran						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	Prof.Dr.Murat ZENCİRKIRAN Bursa Uludağ Üniversitesi Ziraat Fakültesi Peyzaj Mimarlığı Bölümü 16059 Görükle/Bursa Tel: 0 224 294 1482 Fax: 0 224 294 1637 e-posta: mzencirkiran@uludag.edu.tr							
	Website:								
17	Website.								
17	Objective of the Course:	basic pri technolo systems	of the course is to teach the concept of Remote Sensing, nciples of remote sensing, recognition of satellite gies and data, basic functions of GIS components and GIS, GIS database, GIS application areas, Geographic ion Systems Programs.						
		basic pri technolo systems	nciples of remote sensing, recognition of satellite gies and data, basic functions of GIS components and GIS, GIS database, GIS application areas, Geographic						
18	Objective of the Course: Contribution of the Course to	basic pri technolo systems	nciples of remote sensing, recognition of satellite gies and data, basic functions of GIS components and GIS, GIS database, GIS application areas, Geographic						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic pri technolo systems	nciples of remote sensing, recognition of satellite gies and data, basic functions of GIS components and GIS, GIS database, GIS application areas, Geographic						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic pri technolo systems Informat	nciples of remote sensing, recognition of satellite gies and data, basic functions of GIS components and GIS, GIS database, GIS application areas, Geographic ion Systems Programs.						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic pri technolo systems Informat	nciples of remote sensing, recognition of satellite gies and data, basic functions of GIS components and GIS, GIS database, GIS application areas, Geographic ion Systems Programs. To be able to understand the concept of remote sensing To be able to learn GIS components and basic functions of						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic pri technolo systems Informat	To be able to understand the concept of remote sensing To be able to learn GIS components and basic functions of GIS systems						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic pri technolo systems Informat 1 2	To be able to learn GIS components and basic functions of GIS systems To be able to comprehend GIS application areas To be able to comprehend GIS application areas To be able to comprehend GIS application areas						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic pri technolo systems Informat 1 2 3 4 5	To be able to learn GIS components and basic functions of GIS systems To be able to comprehend GIS application areas To be able to comprehend GIS application areas To be able to comprehend GIS application areas						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic pri technolo systems Informat 1 2 3 4 5 6 7	To be able to learn GIS components and basic functions of GIS systems To be able to comprehend GIS application areas To be able to comprehend GIS application areas To be able to comprehend GIS application areas						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic pri technolo systems Informat 1 2 3 4 5 6 7 8	To be able to learn GIS components and basic functions of GIS systems To be able to comprehend GIS application areas To be able to comprehend GIS application areas To be able to comprehend GIS application areas						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic pri technolo systems Informat 1 2 3 4 5 6 7 8	To be able to learn GIS components and basic functions of GIS systems To be able to comprehend GIS application areas To be able to comprehend GIS application areas To be able to comprehend GIS application areas						
18	Objective of the Course: Contribution of the Course to Professional Development: Learning Outcomes:	basic pri technolo systems Informat 1 2 3 4 5 6 7 8	To be able to learn GIS components and basic functions of GIS systems To be able to comprehend GIS application areas To be able to comprehend GIS application areas To be able to comprehend GIS application areas						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic pri technolo systems Informat 1 2 3 4 5 6 7 8 9 10	To be able to learn GIS components and basic functions of GIS systems To be able to comprehend GIS application areas To be able to comprehend GIS application areas To be able to learn Geographical Information Systems Programs						
18	Objective of the Course: Contribution of the Course to Professional Development: Learning Outcomes:	basic pri technolo systems Informat 1 2 3 4 5 6 7 8 9 10	To be able to learn GIS components and basic functions of GIS systems To be able to comprehend GIS application areas To be able to comprehend GIS application areas To be able to learn GIS components and basic functions of GIS systems						

1	GIS definition, application area and components		Literature research							
2	Map projection systems		Literature research							
3	Raster and vector data representation structure topology at GIS	ns, data	Literature research							
4	Introduction to spatial analysis in CBS pattern analysis and statistical method GIS		Literature research, data collection							
5	Linear analysis in GIS (network analy Surface analysis in GIS, topographic		Evaluation of data							
6	Surface analysis in GIS, topographic introduction of ArcGIS software	analysis,	Evaluation of d	ata						
7	Interpolation techniques and geo-stat application	istics	Evaluation							
8	Single-layer and multi-layer analyzes	in GIS.	Data analysis a	and planning project implen	nentation					
9	Single-layer and multi-layer analyzes	in GIS.	Data analysis a	and planning project implen	nentation					
10	Application project including digitization distance analysis, registration, classifiand database creation		Data analysis and planning project implementation							
11	Environmental modeling, definition, components and types in GIS		Planning project implementation							
12	Examples of environmental modeling	in GIS	Planning project implementation							
13	Examples of environmental modeling	in GIS	Planning project implementation							
14	GPS and its applications		Planning project implementation							
Activit	es		Number	Duration (hour	Total Work Load (hour)					
Th 2:3 re	i %a \$esment		14	1.00	14.00					
Practic	als/Labs		14	2.00	28.00					
Selfsti	Idy and preperation	1	40 ⁶ .00	3.00	18.00					
Homew			0	0.00	0.00					
Project	S Work-project	0	0.00	0.00	0.00					
Field S			0	0.00	0.00					
Midterr	n exams	2	100.00	14.00	14.00					
Others			0	0.00	0.00					
Sinates	sa Grade		1	14.00	14.00					
Total V	Vork Load				88.00					
Total w	ork load/ 30 hr		100.00		2.93					
ECTS (Credit of the Course	· · · · · · · · · · · · · · · · · · ·			3.00					
Course	· · · · · · · · · · · · · · · · · · ·									
24	ECTS / WORK LOAD TABLE									
25	5 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS									

PQ1 PQ2 PQ3 PQ4 PQ5 PQ6 PQ7 PQ8 PQ9 PQ1 PQ11 PQ12 PQ1 PQ14 PQ15 PQ16 ÖK1 ÖK2 ÖK3

ÖK4	0	5	5	0	0	5	5	0	0	0	0	0	0	0	0	0
LO: Learning Object Contrib 1 very low 2 low ution Level:					s P Medi			m Qu 4 Higl				y High				