

LAND SURVEYING - I

1	Course Title:	LAND SURVEYING - I	
2	Course Code:	HRTZ101	
3	Type of Course:	Compulsory	
4	Level of Course:	Short Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	7.00	
8	Theoretical (hour/week):	4.00	
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:	Öğr.Gör. HAKAN KÖSE	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	<p>Öğr. Gör. Hakan KÖSE Harita ve Kadastro Programı Gemlik Asım Kocabıyık Meslek Yüksekokulu Tel: (224) 5123491 / 62233 Fax: (224) 5123491 E-posta: kosehakan@gmail.com, hakankose@uludag.edu.tr</p>	
17	Website:		
18	Objective of the Course:	To perform land surveying and Computation.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Having the ability of using traditional and modern measurement instruments.
		2	To work efficiently in multidisciplinary teams.
		3	Having skill and knowledge of basic surveying.
		4	To make connection with other disciplines.
		5	To compare methods of length measurement.
		6	Ability and knowledge of analysing errors.
		7	Ability to control measurements.
		8	To gain skill for drawing sketch.
		9	
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	The definition and history of the science of survey		
2	Mapping issues and areas of application		
3	Unit of measurement		
4	Surveying errors and classification	Practices of error-calculations	

5	Simple Surveying instrument	
6	General structure of the potical instrument	Set-up
7	Measurement of Lenght	
8	Midterm Exam	
9	Orthgonal surveying	Field studies
10	Detailing	
11	Detailing	
12	Area by triangles	
13	Area by coordinates	
14	Area by planimeter	

22	Textbooks, References and/or Other Materials:	<p>Songu C., 2003, Ölçme Bilgisi-I, Birsen Yayınevi, İstanbul</p> <p>Songu C., 2000, Ölçme Bilgisi-II, Birsen Yayınevi, İstanbul</p> <p>Koç İ., 1998, Ölçme Bilgisi-I, Gökhan Matbaası, İstanbul</p> <p>Koç İ., 2003, Ölçme Bilgisi-II, Gökhan Matbaası, İstanbul</p> <p>Aydın Ö., 2007, Ölçme bilgisi-2, YTÜ İnşaat Fakültesi yayınları No.:785, İstanbul</p>
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23	Assesment
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TERM LEARNING ACTIVITIES		NUMBE	WEIGHT		
Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical-project		2	10	4.00	56.00
Practicals/Labs			14	2.00	28.00
Self study and preperation		4	10	4.00	48.00
Homeworks			2	8.00	16.00
Success Grade Projects			0	0.00	0.00
Field Studies			5	8.00	40.00
Midterm exams			10	10.00	10.00
Others			0	0.00	0.00
Course Final Exams			1	12.00	12.00
ECTS / WORK LOAD TABLE					
Total Work Load					210.00
Total work load/ 30 hr					7.00
ECTS Credit of the Course					7.00

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	3	5	1	1	1	1	1	1	3	3	3	1	0	0	0	0
ÖK2	3	4	1	1	1	1	1	1	5	3	4	1	0	0	0	0
ÖK3	5	3	2	4	1	2	1	1	3	1	3	1	0	0	0	0
ÖK4	2	2	2	2	2	2	2	2	3	3	3	1	0	0	0	0

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