

## LAND SURVEYING II

1	Course Title:	LAND SURVEYING II
2	Course Code:	HRTZ112
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	6.00
8	Theoretical (hour/week):	2.00
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. BUKET UĞUZ
15	Course Lecturers:	Öğr. Gör. Hakan KÖSE
16	Contact information of the Course Coordinator:	Öğr. Gör. Buket UĞUZ Harita ve Kadastro Programı Gemlik Meslek Yüksekokulu (0224) 2942677-62212 E-posta: buketuguz@uludag.edu.tr
17	Website:	
18	Objective of the Course:	The land movement methods and calculations used in the cartography machine are taught.
19	Contribution of the Course to Professional Development:	It gives the student the ability to detect measurement errors, calculate the size, calculate the area, measure the length and angle, draw a sketch and make the coordinate calculation of the point.
20	Learning Outcomes:	
	1	Being able to recognize ground control points (polygon, entrance and leveling point) according to the regulation
	2	Learning the perpendicular coordinate system and being able to invert on the map
	3	Understanding in terms of openness and neighborhood, being able to make basic homework calculations
	4	Creating a polygon route, drawing the benchmark and canvas
	5	Ability to calculate polygon coordinates
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21	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
1	Perpendicular coordinate system	Perpendicular coordinate system
2	Basic assignments	Basic assignments

3	Aperture angle and neighborhood angle	Aperture angle and neighborhood angle
4	Numerical examples of basic assignments	Numerical examples of basic assignments
5	Importance and explanation of ground control points	Importance and explanation of ground control points
6	Open polygon calculations at ground control points	Open polygon calculations at ground control points
7	Closed polygon calculations at ground control points	Closed polygon calculations at ground control points
8	Course repetition.	Course repetition.
9	Polygon calculations based on ground control points	Polygon calculations based on ground control points
10	Selection and establishment of polygon points	Selection and establishment of polygon points
11	Making numerical examples about polygon calculations	Making numerical examples about polygon calculations
12	Explanation of polygon benchmarks	Explanation of polygon benchmarks
13	Application of polygon benchmarks	Application of polygon benchmarks
14	Evaluation	Evaluation

22	Textbooks, References and/or Other Materials:	Murat Yakar-Fatma Bünyan Ünal-Lütfiye Kuşak- Mehmet Özgür Çelik, "Temel Ödevler", Atlas Akademi; Murat Yakar-Fatma Bünyan Ünal-Lütfiye Kuşak- Mehmet Özgür Çelik, "Poligon Hesabı", Atlas Akademi; Veyssel Atasoy, "Arazi Ölçmeleri", Ekin Yayınevi Cevat İnal-Alı Erdi-Ferruh Yıldız, "Topoğrafya Ölçme Bilgisi". Nobel Yayın Dağıtım
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Activities		Number	Duration (hour)	Total Work Load (hour)
<b>TERM LEARNING ACTIVITIES</b>	<b>NUMBER</b>	<b>WEIGHT</b>	2.00	28.00
Practicals/Labs	14		2.00	28.00
Self study and preparation	0	0.00	0.00	0.00
Homeworks	0		0.00	0.00
Projects	1	0.00	0.00	0.00
Final Exam	1	60.00		
Field Studies	0		0.00	0.00
Midterm exams	1		30.00	30.00
Contribution of Term (Year) Learning Activities to	40	0.00		
Others	0		0.00	0.00
Final Exams	1			
Contribution of Final Exam to Success Grade	60	1.00	100.00	100.00
Total Work Load				186.00
Total work load/ 30 hr				6.20
Measurement and Evaluation Techniques Used in the				1 midterm
ECTS Credit of the Course				6.00

rate are made. Within the scope of this course, a relative evaluation system that enables the conversion of the students' raw achievement scores into letter grades is applied.

## 24 ECTS / WORK LOAD TABLE

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	4	5	5	5	5	5	0	3	5	4	0	0	0	0	0	0
ÖK2	5	5	5	4	5	4	0	4	4	5	0	0	0	0	0	0

ÖK3	3	4	4	5	5	5	0	4	4	4	0	0	0	0	0	0
ÖK4	5	5	3	5	4	4	0	5	4	4	0	0	0	0	0	0
ÖK5	4	4	5	5	5	4	0	3	4	4	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			