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:

Course Content:

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; Veysel Atasoy, "Arazi Ölçmeleri", Ekin Yayınevi Cevat İnal-Ali Erdi-Ferruh Yıldız, "Topoğrafya Ölçme Bilgisi", Nobel Yayın Dağıtım

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	0	0.00	0.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	30.00	30.00
Others	0	0.00	0.00
Final Exams	1	100.00	100.00
Total Work Load			186.00
Total work load/ 30 hr			6.20
ECTS Credit of the Course			6.00

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Quiz	0	0.00
Final Exam	1	60.00
Contribution of Term (Year) Learning Activities to		40.00
Contribution of Final Exam to Success Grade		60.00

Measurement and Evaluation Techniques Used in the	In order to decide on the success in this course, 1 midterm exam and 1 final exam 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**