

## 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):	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:	Meslek Yüksek Okulları Yönetim Kurullarının görevlendirdiği öğretim elemanları	
16	Contact information of the Course Coordinator:	Öğr. Gör Hakan KÖSE Gemlik Asım Kocabıyık MYO (0224) 2942677-62233 e-posta:hakankose@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	To perform land surveying and calculations in cartography.	
19	Contribution of the Course to Professional Development:	Teaches the application and basic calculations of land measurement techniques required in the profession of cartography.	
20	Learning Outcomes:		
		1	Learning horizontal control points
		2	Ability to analyze the polygon crossings
		3	Possible errors in polygon transitions
		4	Split parcels into two or more parts
		5	Ability to correct parcel borders
		6	Conversion between coordinate systems
		7	Ability to draw limitation sketch, dimension sketch, benchmark sketch
		8	Ability to conduct multidisciplinary teamwork
		9	To be able to establish a relationship between cartography discipline and other professional disciplines
		10	
21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	Map coordinate system		
2	Horizontal ground control points		
3	Country Triangulation Base Networks		
4	Basic assignments	Basic homework applications	
5	Basic assignments	Basic homework applications	

<b>6</b>	Polygon points location selection, facility and restoration, Polygon measurements, polygon calculus theorem, open polygon transitions	
<b>7</b>	Calculation of dependent polygon crossings	Field-based polygon crossing measurement and calculations
<b>8</b>	Repeating courses and midterm exam	
<b>9</b>	Calculation of closed polygon crossings	Closed polygon crossing measurement and calculations in the field
<b>10</b>	Coarse angle error in polygon transitions	
<b>11</b>	Rough edge defect in polygon transitions	
<b>12</b>	Parcel compartments	
<b>13</b>	Border corrections	
<b>14</b>	Conversion between two dimensional coordinate systems	
<b>22</b>	Textbooks, References and/or Other Materials:	Songu C., 2003, Ölçme Bilgisi-I, Birsen Yayınevi, İstanbul Songu C., 2000, Ölçme Bilgisi-II, Birsen Yayınevi, İstanbul Koç İ., 1998, Ölçme Bilgisi-I, Gökhan Matbaası, İstanbul Koç İ., 2003, Ölçme Bilgisi-II, Gökhan Matbaası, İstanbul Aydın Ö., 2007, Ölçme bilgisi-2, YTÜ İnşaat Fakültesi yayınları No.:785, İstanbul
<b>23</b>	Assesment	
<b>TERM LEARNING ACTIVITIES</b>		<b>NUMBE R</b>
		<b>WEIGHT</b>
Midterm Exam	1	30.00
Quiz	0	0.00
Home work-project	1	10.00
Final Exam	1	60.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Quantification and consideration are carried out according to the principles of Bursa Uludağ University Associate and Undergraduate Education and Training Regulation.
<b>24</b>	<b>ECTS / WORK LOAD TABLE</b>	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	4.00	56.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	14	4.00	56.00
Homeworks	1	10.00	10.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	15.00	15.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			200.00
Total work load/ 30 hr			6.17
ECTS Credit of the Course			6.00

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	5	4	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK2	5	4	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK3	5	4	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK4	5	3	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK5	5	3	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK6	5	3	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK7	5	4	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK8	1	1	1	1	1	1	1	1	5	5	5	2	0	0	0	0
ÖK9	1	1	1	1	1	1	1	1	5	5	5	2	0	0	0	0
<b>LO: Learning Objectives    PQ: Program Qualifications</b>																
<b>Contribution Level:</b>	<b>1 very low</b>			<b>2 low</b>			<b>3 Medium</b>			<b>4 High</b>			<b>5 Very High</b>			