

PHOTOGRAMMETRY

1	Course Title:	PHOTOGRAMMETRY
2	Course Code:	HRTZ116
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr. Gör. MURAT GÜLER
15	Course Lecturers:	Öğr. Gör. Murat GÜLER Öğr. Gör. İlyas YALÇIN
16	Contact information of the Course Coordinator:	Öğr. Gör. Murat GÜLER Harita ve Kadastro Programı İzmit Meslek Yüksekokulu E-posta: muratguler@uludag.edu.tr
17	Website:	
18	Objective of the Course:	To teach base of map generation by photogrammetric and remote sensing methods
19	Contribution of the Course to Professional Development:	Defines the geometry of aerial photographs by understanding the basic principles of photo shooting. It provides the ability to create stereo images and provides metric information on the image.
20	Learning Outcomes:	
	1	To comprehend definition and importance of photogrammetry.
	2	To understand contents of photogrammetry.
	3	To compare between photogrammetric map generation and traditional map generation
	4	To make flight planning.
	5	To analyse digital image process techniques.
	6	To use 3D drawing techniques.
	7	To generate orthophoto map.
	8	To analyse satellite images.
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Photogrammetry and Remote Sensing	
2	Photogrammetry and Remote Sensing	
3	Flight Planning	
4	Photograph knowledge	

5	Digital image processing	
6	Model and colon connecting	
7	Computations	
8	Course repetition.	
9	Digitization	
10	Digital terrain and elevation models	
11	Mapping	
12	Orthophoto	
13	Orthophoto operations	
14	Remote sensing	

22	Textbooks, References and/or Other Materials:	Klaus K., 2007, Fotogrametri-I, Nobel Yayınları, İstanbul Sesören A., 1998, Uzaktan Algılamada Temel Kavramlar, TMMOB JMO, İstanbul
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23	Assesment	
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Total study and preperation	14	3.00	42.00
Homeworks	0	0.00	0.00
Course Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	10.00	10.00
Others	2	5.00	10.00

24	ECTS / WORK LOAD TABLE	1	12.00	12.00
	Total Work Load			126.00
	Total work load/ 30 hr			3.87
	ECTS Credit of the Course			4.00

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

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