TRAFFIC ENGINEERING											
1	Course Title:	TRAFFIC	CENGINEERING								
2	Course Code:	INS4087									
3	Type of Course:	Optional									
4	Level of Course:	First Cyc	le								
5	Year of Study:	4									
6	Semester:	7									
7	ECTS Credits Allocated:	5.00									
8	Theoretical (hour/week):	3.00									
9	Practice (hour/week):	1.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	None									
12	Language:	Turkish									
13	Mode of Delivery:	Face to f	ace								
14	Course Coordinator:	Prof. Dr.	TURAN ARSLAN								
15	Course Lecturers:										
16	Contact information of the Course Coordinator:	arsltur@uludag.edu.tr 0 224 294 2639									
17	Website:	http://insaat.uludag.edu.tr/									
18	Objective of the Course:	To Introduce surveying engineering, surveying instruments and type of collecting field notes as well as to furnish students with enough surveying techniques for civil engineering applications									
19	Contribution of the Course to Professional Development:	Students can use of surveying techniques in real world civil engineering applications									
20	Learning Outcomes:										
		1	To be able to understand traffic surveying techniques								
		2	To be able to understand fundamentals of traffic flow theory								
		3	To be able to use necessary applied statistical procedures in traffic engineering								
		4	To be able to use at least one computer programs in traffic engineering								
		5	To be able to determine the appropriate traffic control system according to the incoming flows for a simple four- way intersection								
		6									
		7									
		8									
		9									
		10									
21	Course Content:										
	Course Content:										
Week	Theoretical		Practice								
1	Measurement Errors (Random, Syst and Blunders)	ematic	Solving Application Problems								
2	Geodetic Calculations (4 Basic Calc	ulations)	Solving Application Problems								
3	Traverse Surveying (Free, Open and	d Closed)	Solving Application Problems								

4	Area Measurement									Solving Application Problems											
5	Angle, Distance and Elevation Measurements									Solving Application Problems											
6	Layo	Layout									Solving Application Problems										
7	Length Measurement (Taping)									Solving Application Problems											
8	Traverse Surveying									Solving Application Problems											
9	Closed Traverse Surveying									Solving Application Problems											
10	Area Measurement										Арр	plicat	tion Pro	blems							
11	Elevation with Leveling										Solving Application Problems										
12	Elevation with Total Station										Арр	plicat	tion Pro	blems							
13	Counter Mapping										Арр	plicat	tion Pro	blems							
14	Layout with Total Station									olving	Арр	plicat	tion Pro	blems							
22	Textbooks, References and/or Other Materials:									- Ölçme Bilgisi Cilt I, C. Songu, M. Şerbetçi, E. Gülal, Birsen Yayınevi, İstanbul - Ölçme Bilgisi Cilt II, C. Songu, Birsen Yayınevi, İstanbul - Topografya Ölçme Bilgisi, C. İnal, A. Erdi, F. Yıldız, Nobel Yayınevi, Ankara											
23	Assesment																				
TERM L	EAR	NING	ACTI	VITIES	;		1	NUMBE R	E W	WEIGHT											
Midtern	Aidterm Exam									20.00											
Quiz							(	)	0.	.00											
Activit	Activites									Num	beı	r		Dura	ition (	hour)	Total Work Load (hour)				
TAteore	Peoretical 3									0ρ <sub>4</sub> 00				2.00		28.00					
Practica	acticals/Labs									14				1.00		14.00					
Self stu	alf study and proporation									14				6.00		84.00					
Homew	neworks									1				1.00		1.00					
Project	ects									00.00				0.00		0.00					
Field S	Id Studies									8				3.00		24.00					
Midtern										1	10110			2.00		2.00					
Others	ners									0				0.00		0.00					
Final E	al Exams									1				2.00		2.00					
Total W	al Work Load										157.00										
Total w	otal work load/ 30 hr									5.17											
ECTS (	CTS Credit of the Course									5.00											
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																				
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	8 PQS	) P 0	Q1	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	2	4	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0			
ÖK2	4	4	0	0	3	0	3	0	0	0	0		0	0	0	0	0	0			
ÖK3	4	4	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0			
ÖK4	3	3	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0			

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