	STATICS S	TREN	GTH OF MATERIALS							
1	Course Title:	STATICS	S STRENGTH OF MATERIALS							
2	Course Code:	MIM200	5							
3	Type of Course:	Compuls	sory							
4	Level of Course:	First Cyc	cle							
5	Year of Study:	2								
6	Semester:	3								
7	ECTS Credits Allocated:	3.00								
8	Theoretical (hour/week):	1.00								
9	Practice (hour/week):	2.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	-								
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	face							
14	Course Coordinator:	Prof. Dr.	BILAL BAĞBANCI							
15	Course Lecturers:	-								
16	Contact information of the Course Coordinator:	mbilal@utel:294 2	uludag.edu.tr 1 47							
17	Website:									
18	Objective of the Course:	This course aims to teach how structures formed and how it carrie different loads. Besides teach how supplied the balance and stabil of structures, teach how to draw normal force, shearing force and moment grafics at simply supported beams and frames, cantilever beams and frames, simply supported beams and frames with overhangs, compound (Hung-span) beams under load and teach how found the relocation and deformation amount of the structures								
19	Contribution of the Course to Professional Development: To have knowledge about the mechanical effects on the system elements									
20	Learning Outcomes:									
		1	To teach general rules of static, stability, the behaviour of structures under loads							
		2	To understand the behaviour of the structural elements under mechanical effects							
		3	To teach the loads and the colculation of stresses in structures							
		4								
		5								
		6								
		7								
		8								
		9								
		10								
21	Course Content:		0							
10/	Th (' 1	Co	ourse Content:							
	Theoretical		Practice							
1	Trigonometric expressions and vector	ors	Questions and solutions							
2	Vectors and rules of static		Questions and solutions							

3	Supp	Supporting systems and loads							Qι	Questions and solutions										
4	Com	Compound (Hung-span) beams								Questions and solutions										
5	Thre	hree-pinned arches and frames								Questions and solutions										
6	Trus	russes									Questions and solutions									
7	Cent	entroids and cables									Questions and solutions									
8	Repe	epeating courses and midterm exam																		
9		ress and strain, axial, shearing and moment aphics								Questions and solutions										
10	Axial	xial force, mohr circle								estion	s and s	solution	s							
11	Thre	e dir	nensi	onal st	ress,	shear	force		Qι	Questions and solutions										
12	Mom	nent (of Ine	rtia					Qι	Questions and solutions										
13	Bend	ding	and to	rsion					Qι	estion	s and s	solution	S							
14	Elast	tic cu	ırve						Qι	estion	s and s	solution	S							
22	Textbooks, References and/or Other Materials:						ST Oğ Mü Ka İsta Öz Ka	Karataş, H., İşler, Ö., 1987, "Mühendislik Mekaniğinde STATİK Problemleri", Çağlayan Kitabevi, İstanbul. Oğuz, S., 1994, "Teknik Mekanik (I) Statik" Balıkesir Üni. MühMim. Fak. Yayınları, Balıkesir. Karataş, H., 1988, "Mukavemet", Çağlayan Kitabevi, İstanbul. Özbek, T., 1978, "Mukavemet", Birsen Yayınevi, İstanbul. Kadıoğlu, N., Engin, H., Bakioğlu, M., 1989, "Mukavemet Problemleri", Beta Yayınları, İstanbul												
Activites							1	Number				Duration (hour)			/ork nour)					
Middle or on Caxam 1							40	1040			1.00			14.00						
Practica	Practicals/Labs								,	14					28.00					
Hemety	MStWW/ไรกลีใจเคียงคือ 0								0.6	0.00						0.00				
Homew	vorks								(0						0.00				
₱₱ dect	s						2		10	9.00			0.00			0.00				
Field St									(0						0.00				
Midtern	n exa	ms							1	1						16.00				
Others)			0.00 0.00							
FMal E	위례 Exams							10	p.00			32.00		32.00						
Total Work Load								90.00						90.00						
Total work load/ 30 hr								3.00												
ECTS Credit of the Course							3.00													
25			(CON	TRIE	UTIO	N OI				OUTC	OMES NS	S TO I	PROG	BRAM	ME				
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16			
ÖK1	5	5	4	3	5	4	3	2	4	4	5	5	0	0	0	0	0			

	25		QUALIFICATIONS														
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
Ök	K1	5	4	3	5	4	3	2	4	4	5	5	0	0	0	0	0
Ök	(2	5	3	2	5	4	3	3	4	4	4	5	0	0	0	0	0
Ök	(3	5	3	2	5	4	3	3	4	4	4	5	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
ution					
Level:					