STRUCTURAL SYSTEMS I										
1	Course Title:	STRUCT	URAL SYSTEMS I							
2	Course Code:	MIM3009	9							
3	Type of Course:	Compuls	sory							
4	Level of Course:	First Cyc	le							
5	Year of Study:	3								
6	Semester:	5								
7	ECTS Credits Allocated:	3.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	-								
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	ace							
14	Course Coordinator:	Doç.Dr. BILAL BAĞBANCI								
15	Course Lecturers:	-								
16	Contact information of the Course Coordinator:	mbilal@uludag.edu.tr Tel: 294 21 47								
17	Website:									
18	Objective of the Course:	This course aims to teach how to draw axial force, shearing force and moment graphics 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. Also aims to teach the effects of earthquake on traditional and advanced building structures								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:	1								
		1	To teach general rules of strength of materials and the history of construction techniques							
		2	To teach the big span structures							
		3	To teach the material properties of structures							
		4	To teach how to define stress diagrams							
		5	To teach how to calculate displacement of the structures under loads							
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
	Course Content:									
Week	Theoretical		Practice							
1	Loads, supports and structural syste Questions and solutions	ems.								

2	Simply supported beams and frames. Cantilever beams and frames, stress diagrams. Questions and solutions									
3	Simply supported beams and frames overhangs, stress diagrams. Question solutions	with ns and								
4	Compound (Hung-span) beams. Que and solutions	stions								
5	Relocation and deformation amount of structures under loads. Questions and solutions	of the d								
6	Trusses. Questions and solutions									
7	Flexibility (Force) method. Questions solutions	and								
8	Repeating courses and midterm exan	n								
9	Structural systems from ancient to pa Historical monuments. Questions and solutions	ist. I								
10	General rules for earthquake resistan buildings. Questions and solutions	t								
11	Historical masonry structures and tim structures. Questions and solutions	ber								
12	Reinforce concrete structures. Questi solutions	ons and								
13	Reinforce concrete structures. Questi solutions	ons and								
Activit	es			Number	Duration (hour)	Total Work Load (hour)				
Theore	Materials:		⊏ Y	או <u>ר, ו., ופפס, דמףו סוב</u> ayin Dağıtım, İstanbul.	2.00	z8.00 Seç				
Practic	als/Labs			0	0.00	0.00				
Self stu	dy and preperation		İs	tanbul	2.00	24.00				
Homew	vorks			1	8.00	8.00				
Project	8		Ö	zşen G., Yamantürk E	,0 100 91, '' Taşıyıcı S	l€t@Ph				
Field S	tudies			0	0.00 0.00					
Midtern	h exams		"E	tonarme", Birsen Yay	10.00					
Others	I a ceacimant			0	0.00	0.00				
Fiftal E			14		20.00	20.00				
Total W	Vork Load					90.00				
TV potente M	φn⊈xlaand∕30 hr	1	2	5.00		3.00				
ECTS	Credit of the Course					3.00				
Home \	work-project	1	25.00							
Final E	xam	1	50.00							
Total		3	100.00							
Contrib Succes	oution of Term (Year) Learning Activitie ss Grade	es to	50.00							
Contrib	oution of Final Exam to Success Grade)	50.00							
Total			100.00							
Measu Course	rement and Evaluation Techniques Us	ed in the								
24 ECTS / WORK LOAD TABLE										

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	3	2	5	4	3	2	4	4	5	5	0	0	0	0	0
ÖK2	5	3	2	5	3	4	2	4	4	5	5	0	0	0	0	0
ÖK3	4	3	2	5	3	3	3	4	4	5	5	0	0	0	0	0
ÖK4	4	4	2	5	4	4	2	3	4	4	5	0	0	0	0	0
ÖK5	4	4	2	5	4	3	2	4	4	4	5	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low 2 low				3 Medium			4 High			5 Very High					