	PREFAB	RICAT	TED STRUCTURES								
1	Course Title:	PREFAE	PREFABRICATED STRUCTURES								
2	Course Code:	INS6036	3								
3	Type of Course:	Optional									
4	Level of Course:	Third Cy	rcle								
5	Year of Study:	1									
6	Semester:	2									
7	ECTS Credits Allocated:	6.00									
8	Theoretical (hour/week):	3.00									
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:										
12	Language:	Turkish									
13	Mode of Delivery:	Face to	face								
14	Course Coordinator:	Dr. Ögr.	Üyesi Mehmet Ömer TİMURAĞAOĞLU								
15	Course Lecturers:	Mehmet	Ömer Timurağaoğlu								
16	Contact information of the Course Coordinator:	omertao	@uludag.edu.tr								
17	Website:										
18	Objective of the Course:	Introduction of prefabricated structures, Understanding the design of prefabricated structures, Understanding the structural analysis of prefabricated industrial structures, Understanding the damages observed in prefabricated structures, repair and reinforcement techniques									
19	Contribution of the Course to Professional Development:	To have detailed information about the production stages of reinforced concrete prefabricated building elements, their connection details and controls, and the design principles of a prefabricated building.									
20	Learning Outcomes:										
		1	Understanding the advantages of prefabricated structures,								
		2	Understanding the calculation and design of prefabricated structures								
		3	Understanding the design of prefabricated element connections								
		4	Understanding the repair and strengthening methods in existing prefabricated structures								
		5									
		6									
		7									
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		10									
21	Course Content:	Course Content:									
		Co	ourse Content:								
	Theoretical		Practice								
1	Introduction, history and advantages and disadvantages of prefabricated construction										

2				terials tructu		loads ii	n											
3	Definitions, materials and loads in prefabricated structures																	
4	Non-bearing prefabricated elements																	
5	Des	ign p	rincipl	es of p	orefat	oricated	d elem	ents										
6				nation ctions		nnectio	ons, ba	ar										
7	Experiments on connection areas																	
8		ohrag r syst		ect, an	alysis	s of pre	fabric	ated										
9	Design principles of prefabricated elements, systems and connections																	
10				abricat ctures		dustrial	and											
11	Connection types of prefabricated structures in Turkey building earthquake regulation 2018																	
12	Damages observed in prefabricated structures, repair and reinforcement.																	
13						d tests, cated c												
14	App	lication	on exa		and	genera			1									
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22		IDOOK	s, Re	rerenc	es an	id/or O	tner			1. Elliot, K.S., Multi-storey precast conci							\/ - ml -	
ACTIVIT	Activites									Numb	er		Duration (hour			Load (hour)		
Theore	Theoretical								3. cc	Desigr ncrete	and t	ypical d 1988.	detailsofor precast p			estressed		
Practic	Practicals/Labs									0			0.00					
Self stu	Self study and preperation									arında binaların tasarını Yönetimi Başkanlığı, An							56.00 Durum	
	Homeworks													0.00			0.00	
Pr 2 3ect	ts ^{Ass}	esme	ent							0			0.00					
Field S	Studie	s								0			0.00					
Midtern	TERM EXAMS 1									100			30.00			30.00		
Others										0			0.00			0.00		
Final E	nal Exams ome Work-project 0								0	52.00					52.00			
Total Work Load												180.00						
Total work load/ 30 hr								10	0.00					6.00				
ECTS	Cred	it of tl	he Co	urse												6.00		
Succes	ss Gr	ade		7-		J												
Contrib	oution	of F	inal E	xam to	Suc	cess G	rade		60	.00								
Total									10	0.00								
Measu Course		nt an	d Eva	luation	n Tec	hnique	s Use	d in th	ne Ex	am								
24	EC	TS/	WOI	RK L	OAD	TAB	LE											
25	 ;		(CON	TRIE	BUTIO	N OI			IING LIFIC		COME ONS	S TO	PROC	SRAM	ME		
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	١	PQ11	PQ12	L	PQ14	PQ15	PQ16	
ÖK1		5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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ÖK2	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	ution		2	2 low		3 Medium		4 High		5 Very High						