	PREFAB	RICAT	TED STRUCTURES							
1	Course Title:	PREFAE	PREFABRICATED STRUCTURES							
2	Course Code:	INS6036								
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								
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		9								
		10								
21	Course Content:	_								
10.	<b>T</b>	Co	ourse Content:							
	Theoretical		Practice							
1	Introduction, history and advantages disadvantages of prefabricated cons									

2				terials tructu		loads ii	n											
3				terials tructu		loads i	n											
4	Non-bearing prefabricated elements																	
5	Des	ign p	rincipl	es of p	orefab	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				es of p		oricated	d elem	nents,										
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	and tolerances in prefabricated construction  Application examples and general evaluation in prefabricated structures																	
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Activites									Numb	er		Duration (hour			Load (hour)			
Theore	etical								3.	Desigr ncrete	and t	ypical d	etailsof	or prec	ast pre	stressed		
Practic	Practicals/Labs									0			0.00					
Self stu	Self study and preperation									nua b netimi	maiam Baska	<del>ı tasam</del> ınlığı. A	nkara.	rıçırı esasıar, Aret kara, Türkiye 2018.			56.00	
Homeworks										0				0.00				
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Total work load/ 30 hr								1	0.00					6.00				
ECTS				urse												6.00		
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Contrib	oution	of F	inal E	xam to	Suc	cess G	rade		60	.00								
Total									10	0.00								
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ÖK2	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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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						