	PRINCIPLES OF N	MASO	NRY STRUCTURE DESIGN						
1	Course Title:	PRINCIP	PLES OF MASONRY STRUCTURE DESIGN						
2	Course Code:	INS4034							
3	Type of Course:	Optional							
4	Level of Course:	First Cyc	sle						
5	Year of Study:	4							
6	Semester:	8							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	1.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	face						
14	Course Coordinator:	Prof. Dr.	ADEM DOĞANGÜN						
15	Course Lecturers:	Prof. Dr.	Ramazan LİVAOĞLU						
16	Contact information of the Course Coordinator:	adogang	jun@uludag.edu.tr						
17	Website:	http://ins	aat.uludag.edu.tr/						
18	Objective of the Course:	To enable them to interpret the behavior of masonry structures calculating and designing them.							
19	Contribution of the Course to Professional Development:	To gain s	skills in the design of masonry structures						
20	Learning Outcomes:								
		1	Be able to describe the behavior of different types masonry structures						
		2	Be able to understand fundamental calculations						
		3	Be able to know basics codes and specification for masonry structures						
		4	Be able to know practice problems and solutions encountered in application						
		5	Be able to check the results obtained from computer programs frequently used in applications						
		6	Be able to differentiate which analyses should be carried out for each reinforced concrete elements						
		7							
		8							
		9							
		10							
21	Course Content:								
10/		Co	Durse Content:						
	Theoretical		Practice						
1	History, application fields of reinforc concrete structures, advantages and disadvantages								
2	Materials in masonry structures,								
3	Types of masonry structures								

4	Simple masonry structures																				
5	reinfo	orceo	d mas	onry s	structu	ires.															
6	Earth princi			sistant	maso	onry de	sign		Pro	Problem solving											
7	Code	es fo	r mas	onry																	
8	Code	es fo	r mas	onry					Pro	oblem	solving)									
9	Earth struct			sign m	nethoo	ds of m	asonr	у													
10	Brick	mas	sonry	struct	ures				Pro	oblem	solving)									
11	Earthquake calculations of masonry structures selected as examples.																				
12	· ·									Problem solving											
13	Dama	ages	s for m	nasoni	ry stru	ictures			Pro	oblem	solving)									
14	Maso	onry	struct	ure st	rength	nening															
22	Textbooks, References and/or Other Materials:									 Bayülke, N, Depreme Dayanıklı Betonarme ve Yığma Yapı Tasarımı, İMO İzmir, 1993. Paulay, T., Priestley; M.J.N., Seismic design of reinforced concrete and masonry buildings, John Wiley & Sons, New York 1990. 											
23	Asse	sme	nt																		
Activit	ctivites									Numb	er		Dura	ition (otal Work oad (hour)					
Theore	tical						0			14			2.00	2.00 28.00							
Practic							l0			14			1.00 14.00								
Self stu Total		id pr	epera	tion			·		,	14			3.00 42.00								
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Field S									()			0.00		0.00						
Midterr Total	n exar	ms								100.00					2.00						
Others										0						0.00					
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Total V										90.00						90.00					
Total w	ork lo	ad/ 3	30 hr							3.00											
ECTS	CTS Credit of the Course										3.00										
25																					
	Р	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16				
ÖK1	0)	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0				
ÖK2	2	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
ÖK3	0)	0	0	0	0	0	0	5	0	0	4	0	0	0	0	0				
ÖK4	0)	2	0	2	0	0	0	0	0	0	4	0	0	0	0	0				

ÖK5	0	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	5							_	0	0	0		0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low		3	Medi	um	4 High			5 Very High				