REINFORCED CONCRETE BRIDGE DESIGN									
1	Course Title:	REINFO	RCED CONCRETE BRIDGE DESIGN						
2	Course Code:	INS5038							
3	Type of Course:	Optional							
4	Level of Course:	Third Cy	cle						
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:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Prof. Dr. ADEM DOĞANGÜN							
15	Course Lecturers:	Doç.Dr. I	Hakan Tacettin Türker						
16	Contact information of the Course Coordinator:	Prof.Dr. Adem DOĞANGÜN							
17	Website:								
18	Objective of the Course:	To provide the necessary skills for the calculation and design of bridges							
19	Contribution of the Course to Professional Development:	To be able to calculate and design bridges							
20	Learning Outcomes:								
		1	Learning the vertical load carrying mechanisms of different bridge structural systems						
		2	Learning the lateral load carrying mechanisms of different bridge structural systems						
		3	Being able to identify structural failures						
		4							
		5							
		6							
		7							
		8							
		9							
		10							
21	(F)								
		Со	urse Content:						
	Theoretical		Practice						
1	General knowledge and definitions. Classification of bridges:								
2	Slab bridges, slab-beam (simple, bre Gerber, Truss, grate) bridges	eak-front,							
3	frame bridges								
4	arc (with three and two joints, bowstr fixed) bridges	ring and							

5	arc (with three and two joints, bowstring and fixed) bridges																
6	Loads according to T.C. Highway specification.																
7		Reinforced concrete specifications and basic principle							;								
8	<del>-</del>	bridge supports.															
9	Joints.							т									
10	Middle and end foots.																
11	bridge projects.																
12	bridge projects.																
13	bridge projects.							T									
14	brido	ge pr	ojects														
22	Textbooks, References and/or Other Materials:							Br Ce Ek Ro	Guide Specifications for Seismic Design of Highway Bridges, AASHTO, 2001. Celasun H., Betonarme Köprüler, Çağlayan Yay., 1980. Ekiz İ., Köprü Problemleri, Çağlayan Yay., 1976. Rowe R.E., Concrete Bridge Design, Elsevier Publ. Comp., Amsterdam, 1982.								
23		esme		<u> </u>					- 1,47	FIGUE							
TERM L	_EAK	NING	ACII	VIIIES			R	IUMBE	E   VV	EIGHT							
Midterr	n Exa	am					1		40	0.00							
Activites						Number Du				uration (hour) Tota Loa			Vork nour)				
Theore Total	tical						2		10	100.00					42.00		
Practicals/Labs								0 0.00			0.00						
Selfcessly Caladepreparation								14 9.00				126.00					
Homew	Homeworks								0 0.			0.00	0.00			0.00	
Preject	<del>Pojje</del> cts							10	100.00				0.00				
Field S	eld Studies								0 0.00				0.00				
<b>Clodtere</b>	tiesen exams											3.00			3.00		
Others	ers							0			0.00				0.00		
	al Exams							1			3.00			3.00			
	al Work Load											174.00					
	otal work load/ 30 hr							5.80									
ECTS	Credi	t of th														6.00	
25	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	;	3	3	0	0	0	4	0	0	0	0	0	0	0	0	0	0
ÖK2		0	0	5	1	0	0	2	0	0	0	0	0	0	0	0	0
ÖK3		0	0	0	0	1	0	0	0	0	0	4	2	0	0	0	0
			I	O: L	earr	ning C	bjed	tives	s I	PQ: P	rogra	m Qu	alifica	tions	<u>.                                    </u>		

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