REINFORCED CONCRETE BRIDGE DESIGN									
1	Course Title:	REINFO	RCED CONCRETE BRIDGE DESIGN						
2	Course Code:	INS5240							
3	Type of Course:	Optional							
4	Level of Course:	Second	Cycle						
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	7.50							
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. 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	21 Course Content:								
10.	T. C. I	Co	purse 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							

	arc (with three and two joints, bowstring and fixed) bridges																	
6	Loads according to T.C. Highway specification.																	
	Reinforced concrete specifications and basic principle						;											
8	bridg	ge su	pport	s.														
9	Joint	ts.																
10	Midd	lle ar	nd end	d foots	S.													
11	bridge projects.																	
12	bridg	ge pr	ojects															
13	bridg	ge pr	ojects															
14	bridg	ge pr	ojects															
22	Textbooks, References and/or Other Materials:						Br Cr El Rr	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	Asse																	
TERM L	.EARI	NING	ACTI	VITIES			F	NUMBE R	E W	EIGHT								
Midtern	n Exa	am					1		40	40.00								
Activites							Number D				Duration (hour) Total Load							
Theoret Total	tical						2)	1/	14 00.00			3.00			42.00		
Practicals/Labs										0.00	0.00							
Suffered Grade reperation							14 13.00					182.00						
Homeworks								0			0.00	0.00			0.00			
म् _{सिं} acts							10	100.00			0.00			0.00				
Field St	Field Studies								0 0.00				0.00					
Clicitese	Mindutessen exams								1			3.00			3.00			
Others										0			0.00			0.00		
Final Ex	nal Exams								1			3.00		3.00				
Total W	otal Work Load							230.00										
Total w	Total work load/ 30 hr							7.67										
ECTS (Credit	t of th	ne Co	urse												7.50		
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	3	3	3	0	0	0	4	0	0	0	0	0	0	0	0	0	0	
ÖK2	()	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	

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