	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. 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	Course Content:	_							
10.		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							

	arc (with three and two joints, bowstring and fixed) bridges															
	Loads according to T.C. Highway specification.															
	Reinforced concrete specifications and basic principle						;									
8 b	bridge supports.															
9 J	Joints.															
10 N	Middle and end foots.															
11 b	bridge projects.															
12 b	bridge projects.															
13 b	bridge projects.															
14 b	bridge projects.															
N	Textbooks, References and/or Other Materials:						Br Ce Ek	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.								
	ssesme															
TERM LE	ARNING	ACTI	VITIES			R	IUMBE	: W	EIGHT							
Midterm	Exam					1		40	0.00							
Activites						Number			Duration (hour)			Total Work Load (hour)				
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Practical									0			0.00		0.00		
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Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
ution					
Level:					