	REINI	FORC	ED CONCRETE								
1	Course Title:	REINFO	RCED CONCRETE								
2	Course Code:	BSM352	25-Z								
3	Type of Course:	Optional									
4	Level of Course:	First Cyc	cle								
5	Year of Study:	3									
6	Semester:	5									
7	ECTS Credits Allocated:	3.00									
8	Theoretical (hour/week):	1.00									
9	Practice (hour/week):	2.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	-									
12	Language:	Turkish									
13	Mode of Delivery:	Face to	face								
14	Course Coordinator:	Prof. Dr.	ERCAN ŞİMŞEK								
15	Course Lecturers:	-									
16	Contact information of the Course Coordinator:	e-posta : esimsek@uludag.edu.tr Telefon: 0 224 2941622 Adres: Uludağ Üniversitesi, Ziraat Fakültesi, Biyosistem Mühendisliği Bölümü, Görükle Kampusu, 16059, Nilüfer/BURSA									
17	Website:										
18	Objective of the Course:	Students is taught the principles of desing of reinforced concrete material as a structural compenent in agricultural structure design									
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	Understand the basic principles and methods in the design of reinforced concrete structures								
		2	Design of a component of reinforced concrete to provide economic and durability								
		3	Know the application fields of reinforced concrete in agricultural structural component								
		4	Design in reinforced concrete structural components in agricultural structural components								
		5									
		6									
		7									
		8									
		9									
	0 0	10									
21	Course Content:	C-	nursa Cantant:								
Week	Theoretical	C	ourse Content: Practice								
1	Introduction, course presentation an inform on the method to be followed the semester		Introduction of basic concepts of concrete, steel and reinforced concrete								

2	Physical and mechanical properties concrete and concrete steel, as a bui		Example problems							
3	material Basic principles and methods used ir	n the	Example solution on load coefficients and coefficients of							
	design of reinforced concrete structu		the material							
4	Materials under the influence of axial	force	Behavior under load and carrying capacity of columns with stirrup and wound							
5	Bearing capacity and dimensioning o column with stirrup	f short	Example problems							
6	Basic principles and assumptions in determining the bending strength of reinforced concrete sections		Concrete elements under influence of pure bending							
7	Bearing capacity of reinforced rectan sections with single fitting	gular	Example solution or rectangular section	n bearing capacity of re is with single fitting	inforced					
8	Sizing of reinforced rectangular secti single fitting (Cross-Section account)		Example problems							
9	Repetition of course		Evaluation of the ex	xamination						
10	Sizing and bearing capacity of reinfor rectangular sections with double fitting		Example problems							
11	Bearing capacity of beams with T-sectriangular and trapezoidal cross-sections		Example problems							
12	Calculation of flexural fittings of reinfo	orced	Example problems							
13	Elements effected by the combined by	ending	Example problems							
14	Elements under the influence of shea	ar force	Example problems							
Activit	tes		Number	Duration (hour)	Total Work Load (hour)					
Theore	tical		2 दिहाер, Z. ve N. K Sema Matbaacılık.	umbasar ₀ 1998. Betonar	ng Kapılar.					
Practic	als/Labs		14	2.00	28.00					
Self stu	dy and preperation		Dagitim. Istanbul.	1.00	12.00					
Homev			2	5.00	10.00					
Project	S	R	0	0.00	0.00					
Field S			0	0.00	0.00					
Quidz err	n exams	0	0.00	10.00	10.00					
Others			1	4.00	4.00					
Final E		1	60100	12.00	12.00					
Total V	Vork Load				100.00					
Cotatrib	votilohoat/石部州(Year) Learning Activitie	es to	40.00		3.00					
ECTS (Credit of the Course				3.00					
Contrib	oution of Final Exam to Success Grade	Э	60.00							
Total			100.00							
Measu	rement and Evaluation Techniques Us	sed in the								
	ECTS / WORK LOAD TABLE									
25	CONTRIBUTION	25154		450 TO DDOOD 44						

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ1 PQ2 PQ3 PQ4 PQ5 PQ6 PQ7 PQ8 PQ9 PQ1 PQ11 PQ12 PQ1 PQ14 PQ15 PQ16												PQ16		
ÖK1	4	3	4	2	3	3	2	3	2	2	3	0	0	0	0	0
ÖK2	3	2	4	3	4	4	2	2	2	2	2	0	0	0	0	0

ÖK3	2	2	4	2	2	2	1	2	3	2	1	0	0	0	0	0
ÖK4 2 3 3 2 4 3 1 3 2 2 3 0 0 0 0 0 C C C C C C C C C C C C C C										0						
Contrib 1 very low 2 ution Level:				2 low		3 I	Medi	um		4 High			5 Very High			