WOOD AND STEEL STRUCTURES									
1	Course Title:	WOOD	ND STEEL STRUCTURES						
2	Course Code:	BSM352	0-S						
3	Type of Course:	Optional							
4	Level of Course:	First Cyc	le						
5	Year of Study:	3							
6	Semester:	6							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	0.00							
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 Telefon: Adres: L Mühend	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:	The aim of this course is to teach usage possibilities of wooden or steel structural component and principles of design of wooden or steel structural component depend on material properties in the design of agricultural structures							
		steel stru steel stru design c	uctural component and principles of design of wooden or uctural component depend on material properties in the f agricultural structures						
19	Contribution of the Course to Professional Development:	steel stru steel stru design c	uctural component and principles of design of wooden or uctural component depend on material properties in the f agricultural structures						
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design c	uctural component and principles of design of wooden or uctural component depend on material properties in the f agricultural structures						
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design c	Uctural component and principles of design of wooden or uctural component depend on material properties in the f agricultural structures Understand the joint materials in wood and steel structures						
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design c 1 2	Understand the joint materials in wood and steel structures Recognize wood and steel building systems and their components						
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design c 1 2 3	Understand the joint materials in wood and steel structures Recognize wood and steel building systems and their components Design wooden roof system in a agricultural structure						
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design o 1 2 3 4	Understand the joint materials in wood and steel structures Recognize wood and steel building systems and their components Design wooden roof system in a agricultural structures						
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design of 1 2 3 4 5	Understand the joint materials in wood and steel structures Recognize wood and steel building systems and their components Design wooden roof system in a agricultural structures						
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design c 1 2 3 4 5 6	Understand the joint materials in wood and steel structures Recognize wood and steel building systems and their components Design wooden roof system in a agricultural structures						
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design c 1 2 3 4 5 6 7	Understand the joint materials in wood and steel structures Recognize wood and steel building systems and their components Design wooden roof system in a agricultural structures						
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design of 1 2 3 4 5 6 7 8	Understand the joint materials in wood and steel structures Recognize wood and steel building systems and their components Design wooden roof system in a agricultural structures						
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design of 1 2 3 4 5 6 7 8 8 9	Understand the joint materials in wood and steel structures Recognize wood and steel building systems and their components Design wooden roof system in a agricultural structures						
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design c 1 2 3 4 5 6 7 8 8 9 10	Understand the joint materials in wood and steel structures Recognize wood and steel building systems and their components Design wooden roof system in a agricultural structures Design columns and roof components in steel structures						
19 20 	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design c 1 2 3 4 5 6 7 8 8 9 10	Understand the joint materials in wood and steel structures Understand the joint materials in wood and steel structures Recognize wood and steel building systems and their components Design wooden roof system in a agricultural structure Design columns and roof components in steel structures						
19 20 	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design of 1 2 3 4 5 6 7 8 8 9 10 Co	uctural component and principles of design of wooden or actural component depend on material properties in the f agricultural structures         Understand the joint materials in wood and steel structures         Recognize wood and steel building systems and their components         Design wooden roof system in a agricultural structure         Design columns and roof components in steel structures         understand the joint materials in wood and steel structure         Design wooden roof system in a agricultural structure         Design columns and roof components in steel structures         understand the structures						
19 20 	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design c 1 2 3 4 5 6 7 8 9 10 Cc	Understand the joint materials in wood and steel structures Understand the joint materials in wood and steel structures Recognize wood and steel building systems and their components Design wooden roof system in a agricultural structure Design columns and roof components in steel structures Understand the interval in the interval in the interval interv						
19 20 	Contribution of the Course to Professional Development: Learning Outcomes:	steel stru steel stru design c 1 2 3 4 5 6 7 8 9 10 Cc	uctural component and principles of design of wooden or actural component depend on material properties in the f agricultural structures         Understand the joint materials in wood and steel structures         Recognize wood and steel building systems and their components         Design wooden roof system in a agricultural structure         Design columns and roof components in steel structures         understand the joint materials in wood and steel structure         Design wooden roof system in a agricultural structure         Design columns and roof components in steel structures         understand         Practice						
19 20 21 Week 1 2	Contribution of the Course to Professional Development: Learning Outcomes: Course Content: Theoretical Introduction to wooden structures Wooden structure joints and threade	steel stru design of 1 2 3 4 5 6 7 8 9 10 Co	uctural component and principles of design of wooden or uctural component depend on material properties in the f agricultural structures         Understand the joint materials in wood and steel structures         Recognize wood and steel building systems and their components         Design wooden roof system in a agricultural structure         Design columns and roof components in steel structures         understand the joint materials in wood and steel structure         Design wooden roof system in a agricultural structure         Design columns and roof components in steel structures         understand         Practice						

4	Bolts	Bolts and anchor bolts																
5	Axia com	kial tensile and compressive force bearing omponents																
6	Sing	gle and multi-piece pressure bars																
7	Corr	mpression members																
8	Trus com	usses, wood roof systems, principles of roof mponents calculations						of										
9	Rep	petition of course																
10	Stee	eel building materials and the joining tools																
11	Weld	Velding and welded joints																
12	Tens	ensile bars and pull-rods attachments																
13	Pres	ressure bars																
14	Steel roofing systems																	
22	Textbooks, References and/or Other Materials:							1. Ba 2. YI 3. Ya 4. Bi	<ol> <li>Y.Odabaşı. 2000. Ahşap ve Çelik Yapı Elemanları. Beta Basım Yayım. İstanbul.</li> <li>N. Duman ve S. Ökten. 1988. Ahşap Yapı Dersleri I. YEM Yayınları. İstanbul.</li> <li>H. Deren, E. Uzgider, F. Piroğlu, Ö. Çağla 2008 Çelik Yapılar, Çağlayan Kitapevi. İstanbul.</li> <li>N. Eriş 2007. Çelik Yapılar ve Çözümlenmiş Problemler. Birsen Yayınevi. İstanbul</li> </ol>									
Activites							Number			Dura	Duration (hour)			Total Work Load (hour)				
Theore Quiz	Theoretical						0	14			1.00	1.00			14.00			
Practica	Practicals/Labs								14			2.00	2.00			28.00		
Self stu Final F	Self study and preperation							6	60 <sup>1</sup> 00			1.00	1.00			12.00		
Homew	lomeworks								2			5.00	5.00			10.00		
Project Contrib	. <del>S</del> i⊔ti∩n	of T	erm ()	Year)	earn	ina Act	ivities	to	4	40.00			0.00	0.00			0.00	
Field S	tudie	S								0			0.00	0.00			0.00	
Midterib	Sterioution Of Final Exam to Success Grade							6	60.00			10.00	10.00			10.00		
Others	iers								4			1.00	1.00			4.00		
Final E	al Exams											12.00	12.00			12.00		
Total W	otal Work Load														100.00			
T <b>o<u>2</u>a</b> w	<b>EC</b>	TS://	3WOI	RK L	OAD	TAB	LE									3.00		
ECTS	Credi	t of t	he Co	urse												3.00		
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	I	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	B PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	2	2	2	3	3	4	3	2	3	3	4	3	0	0	0	0	0	
ÖK2	2	2	3	3	3	4	3	3	3	3	3	2	0	0	0	0	0	
ÖK3		2	5	4	4	5	4	4	4	4	4	4	0	0	0	0	0	
ÖK4		2	5	4	4	5	4	4	4	4	4	4	0	0	0	0	0	
			I	_O: L	earr	ning C	bjec	tives	s	PQ: P	rogra	m Qu	alifica	tions	;			

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