STEEL STRUCTURE PROJECT								
1	Course Title:	STEEL S	STRUCTURE PROJECT					
2	Course Code:	INS4030						
3	Type of Course:	Optional						
4	Level of Course:	First Cyc	le					
5	Year of Study:	4						
6	Semester:	8						
7	ECTS Credits Allocated:	3.00						
8	Theoretical (hour/week):	2.00						
9	Practice (hour/week):	1.00						
10	Laboratory (hour/week):	0						
11	Prerequisites:	None						
12	Language:	Turkish						
13	Mode of Delivery:	Face to f	ace					
14	Course Coordinator:	Prof. Dr. HAKAN TACETTİN TÜRKER						
15	Course Lecturers:	Hakan T. Türker						
16	Contact information of the Course Coordinator:	Hakan T. Türker hakantturker@uludag.edu.tr						
17	Website:							
18	Objective of the Course:	to teach students to design a simple steel structure project using the knowledge they have learned in the Steel Structural Design course.						
19	Contribution of the Course to Professional Development:	This course provides to learn the basic information required for the design of Industrial Steel Structures, to learn the calculation of loads (dead, snow, wind, earthquake, etc.) on the structure, to have knowledge about vertical and horizontal carrier systems, to learn the design of building elements.						
20	Learning Outcomes:							
		1	Fundemental knowladge required for the design of Industrial Steel Structures.					
		2	Calculation of the loads (Dead, Snow, Wind, Earthquake etc.)					
		3	Having knowledge about gravity and lateral load resisting systems					
		4	Design of structural members in load resisting system					
		5						
		6						
		7						
		8						
		9						
		10						
21	Course Content:							
\A/	The exetical	Co	Durse Content:					
VVEEK			Practice					
1	Type of Inductrial buildings and serve	arol						
2	information	erai						
3	Loads, Calculation of loads		Loads, Calculation of loads					

4	Calculation of wind load, snow loads					C	Calculation of wind load, snow loads											
5	Purlin design						P	Purlin design										
6	Mode	Modeling of structural resisting system						Μ	Modeling of structural resisting system									
7	Analy	nalyse the structural model																
8	Chec	heck irregularity of the structure																
9	Desię	esigning of the structural members (beams)					) D	Designing of the structural members (beams)										
10	Desię	esigning of the structural members (column)					ו)											
11	Desią (conr	Designing of the structural members (connections)						D	Designing of the structural members (connections)									
12	Designing of column bae plates						D	Designing of column bae plates										
13	Designing of the foundation						D	Designing of the foundation										
14	Draw	Drawings						D	rawings	6								
22	Textbooks, References and/or Other Materials:							Sî Sî In -Ç E -Ç E U B	Salmon, C.G., Johnson J.E., Malhas, F.A., Steel Structures. Design and Behaviour. 5th Ed., Pearson International Edition, 2009. -ÇELİK YAPILARIN TASARIM, HESAP VE YAPIM ESASLARINA DAİR ESASLAR -ÇELİK YAPILARIN TASARIM, HESAP VE YAPIM ESASLARINA DAİR YÖNETMELİK HAKKINDA UYGULAMA KILAVUZU, TC, ÇEVRE VE ŞEHİRCİLİK BAKANLIĞI. 2017.									
23	Asse	sme	nt															
TERM LEARNING ACTIVITIES NUMBE					E IW	weight Number			Dura	Duration (hour)			Total Work Load (hour)					
Home	henretilsäk-project 1						4	4 <b>0</b> !do			2.00	2.00			28.00			
Practica	cticals/Labs							14			1.00	1.00			14.00			
<del>Şelf</del> stu	study and preperation 3						1	100.00			0.00	0.00			0.00			
Homew	meworks								0			0.00	0.00			0.00		
Projees	eess Grade								1			20.00	20.00			20.00		
Field S	d Studies									0			0.00	0.00			0.00	
Niettern	erm exams								1	100.00			10.00	10.00			10.00	
Others	rs								0			0.00	0.00			0.00		
Einalise.	£xams								1			20.00	20.00			20.00		
Total W	Work Load														102.00			
Total w	work load/ 30 hr											3.07						
ECIS	Credit	t of th	ne Co	urse												3.00		
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	B PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	3	3	3	3	2	0	2	0	0	0	0	0	0	0	0	0	0	
ÖK2	5	5	5	3	4	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK3	4	1	5	4	4	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK4	5	5	5	4	4	0	0	0	0	0	0	0	0	0	0	0	0	
	LO: Learning Objectives PQ: Program Qualifications																	

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