STEEL STRUCTURES										
1	Course Title:	STEEL S	STRUCTURES							
2	Course Code:	INS4033								
3	Type of Course:	Compuls	sory							
4	Level of Course:	First Cyc	cle							
5	Year of Study:	4								
6	Semester:	7								
7	ECTS Credits Allocated:	4.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	2.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to	face							
14	Course Coordinator:	Prof. Dr. ADEM DOĞANGÜN								
15	Course Lecturers:	Prof. Dr. Adem DOĞANGÜN								
16	Contact information of the Course Coordinator:	adogang	adogangun@uludag.edu.tr							
17	Website:	http://insaat.uludag.edu.tr/								
18	Objective of the Course:	This course gives basic knowledge to the civil engineering students about the behaviour and calculation of steel structures under various loading conditions								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Gain the ability use of structural mechanics knowledge for designing steel structural sections, connections and connecting members							
		2	To be capable of design structures made of steel, its members and joints: bolted, welded connections and related design principles.							
		3	Gain the ability to follow various codes and new technology.							
		4	Be able to know practice problems and solutions encountered in application							
		5	To be able to use various structural analysis programs for structural analysis of steel structure.							
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		7								
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	O	10								
21	Course Content:									
\\/ a = l =	Theoretical	Co	ourse Content:							
	Theoretical	antages	Practice							
1	Introduction, advantages and disadv of steel structures. Mechanical propesteel and Loading in structures									

2	Connection members and connection rivets and bolts, Design of bolted conr		Oral lecture,	Problem S	olving						
3	Welding, Welding Types, Design of bo connections	olted C	Oral lecture, Problem Solving								
4	ASD design method	C	Oral lecture,	Problem S	olving						
5	Buckling, Steel member subjected to l	ouckling (Oral lecture,	Problem S	olving						
6	Buckling, Steel members subjected to buckling.	C	Oral lecture,	Problem S	olving						
7	Buckling, Steel members subjected to buckling	(Oral lecture, Problem Solving								
8	Steel beams and steel members subjected beams and steel members subjected beams and steel members subjected by the steel beams are subjected by the steel beams and steel by the steel beams are subjected by the steel by	ected to C	Oral lecture, Problem Solving								
9	Lateral buckling of steel beams	C	Oral lecture, Problem Solving								
10	Tensile Bars	C	Oral lecture, Problem Solving								
11	Beam connections	C	Oral lecture,	Problem S	olving						
12	Column- Beam connections	C	Oral lecture,	Problem S	olving						
13	Special connections		Oral lecture,	Problem S	olving						
14	Column base connection	C	Oral lecture,	Problem S	olving						
22	Textbooks, References and/or Other Materials:	N 2	 McCormac, J., 1993; Structural Steel Design ASD Method, Harper Collins. Spiegel, L., Limbrunner, G. F., 1986; Applied Structural Steel Design, 4 th Edition, Prentice Hall. Gaylord, E. H., Gaylord, C. N., Stallmeyer, J. E., 1992; 								
Activit	es		Number		Duration (hour)	Total Work Load (hour)					
Theore	ical	1	urk Standa	rtları Enstiti	su ₀ ქ982. nlarının Boyutlandır	28.00					
Practic	als/Labs		14	rapi Licilia	2.00	28.00					
Self stu	dy and preperation	7	15 3357	907. Celik Yanı	arda Kaynaklı Birles	intern Hesap					
Homev	vorks		1	Qome rapi	42.00	42.00					
Project	Assesment		0		0.00	0.00					
Field S			0		0.00	0.00					
Midterr	n exams	R	1		4.00	4.00					
Others			0		0.00	0.00					
Pakial E	xams	0 0	0.00		4.00	4.00					
Total V	Vork Load					120.00					
Fiotal 5	አመዘባoad/30 hr	1 6	0.00			4.00					
ECTS	Credit of the Course					4.00					
Contribution of Term (Year) Learning Activities to Success Grade			40.00								
Contrib	oution of Final Exam to Success Grade	6	60.00								
Total		1	100.00								
Measu	rement and Evaluation Techniques Use	ed in the									
24	ECTS / WORK LOAD TABLE	· · · · · · · · · · · · · · · · · · ·									

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	4	3	4	2	2	3	0	0	0	0	0	0	0	0	0	0
ÖK2	4	3	4	5	4	5	0	0	0	0	0	0	0	0	0	0
ÖK3	2	2	0	4	3	0	0	3	4	0	3	0	0	0	0	0
ÖK4	0	4	5	3	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	3	4	5	5	5	4	5	4	4	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2	2 low		3	Medi	um		4 Higl	h		5 Ver	y High		