	OXIDATIONANDRED		ONREACTIONSIN INORGANIC MISTRY						
1	Course Title:	OXIDATIONANDREDUCTIONREACTIONSIN INORGANIC CHEMISTRY							
2	Course Code:	KIM5024							
3	Type of Course:	Optional							
4	Level of Course:	Third Cy	cle						
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	6.00							
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	face						
14	Course Coordinator:	Doç. Dr.	SUAT AKSOY						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	Doç. Dr. M. Suat AKSOY Uludağ Üniversitesi Fen-Edebiyat Fakültesi Kimya Bölümü Tel: 0 224 29 41740 e-posta: msaksoy@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	formation ions are oxidation	n and reduction reactions are important during complex in and recovery of elements. In the metal industry, metal reduced during the production. During complex formation, in stages of metal ions varies. To investigate the change in in step, the structures of complex compounds helps.						
19	Contribution of the Course to Professional Development:	The course contributes to professional development.							
20	Learning Outcomes:								
		1	The basic issues of redox reactions in inorganic chemistry will be understood.						
		2	Acquired the ability to use information will be won.						
		3	Redox reaction will be understood.						
		4	The effect of the potential for complex formation will be understood.						
		5	The issues of catalysis will be understood.						
		6							
		7							
		8							
		9							
	I	10							
21	Course Content:								
		Co	ourse Content:						
	Theoretical		Practice						
1	Extraction of elements: Elements ex reduction	tracted by							

2	Extract oxidation		lemen	ts: El	ements	extra	cted b	у										
3	Reduction potentials: Redox half-reactions																	
4	Reduct	: Kine	tic fact	ors														
5	Redox stability in water: Reactions with water																	
6	Redox stability in water: Disproportionation																	
7	Redox stability in water: Oxidation by atmospheric oxygen																	
8	The diagrammatic presentation of potential data: Latimer diagrams																	
9	Repetition of previous lessons and midterm																	
10	The diagrammatic presentation of potential data: Frost diagrams																	
11	The diagrammatic presentation of potential data: pH dependence																	
12	The effect of the potential for complex formation																	
13	Catalys																	
14	Homog	eneous	and	Heter	ogene	ous ca	italysis	3										
Materials:							Ch Fre Re	emistred B. A action	ry, seco And Ra s, Sec	ond edit alph G.F ond Edi	tion, 199 2.; Mechition, W	94. nanism iley, 19	s of Inc 967. hour)	I. Inorganic organic Total Work Load (hour)				
TERME	TEARNIN	IG ACT	IVITIES	<u> </u>		N	IUMBE	WÉ	fGHT			3.00			42.00			
Practica	als/Labs	<del></del>							0				0.00			0.00		
Self stu	dy and	prepera	ation			Τ.			0.00				4.00			56.00		
Homew	Homeworks								)			0.00			0.00			
Projects	Projects								5			0.00	0.00					
Field St	<u> </u>								)			0.00	0.00					
Midtern	rm exams											30.00	30.00			30.00		
Others	S								)			0.00	0.00					
Final E	xams hution of Final Exam to Success Grade									50.00				52.00				
	hution of Final Exam to Success Grade Work Load														180.00			
Total w	work load/ 30 hr														6.00			
ECTS (	Credit of the Course														6.00			
24	ECTS	/ WO	RK L	OAD	TAB	LE												
25			CON	TRIE	BUTIC	N O				OUTO		S TO I	PROC	SRAM	ME			
	BC.	1 PQ2	DO2	DO4	PQ5	DO6			PQ9		PQ11	PO12	PQ1	PQ14	PQ15	PQ16		
	Pu	1 PQ2	FQ3	<b>-</b>  4	FQ5	רעט	רעו	ruð	- 49	PQ1  0	PUTT		3	FQ14	רעוס	רעוט		
ÖK1	4	3	2	3	3	3	4	3	3	4	0	0	0	0	0	0		
ÖK2	4	4	3	3	3	3	4	3	3	4	0	0	0	0	0	0		
ÖK3	3	2	3	3	3	3	3	4	4	4	0	0	0	0	0	0		
ÖK4	3	2	3	3	3	3	3	4	4	4	0	0	0	0	0	0		

ÖK5	3	2	3	3	3	3	3	4	4	4	0	0	0	0	0	0
LO: Learn Contrib 1 very low 2 ution Level:				ning C 2 low	bjec		s P Medi			m Qu 4 Higl				y High		