	OXIDATIONANDRED		ONREACTIONSIN INORGANIC							
1	Course Title:	1	IONANDREDUCTIONREACTIONSIN INORGANIC							
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	ace							
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	on and reduction reactions are important during complex on and recovery of elements. In the metal industry, metal e 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								
		10								
21	Course Content:									
10/	The exetical	Co	purse Content:							
	Theoretical	trooted by	Practice							
1	Extraction of elements: Elements ex reduction	nacted by								

2		xtraction of elements: Elements extracted by xidation																
3	Redu	Reduction potentials: Redox half-reactions																
4	Redu	eduction potentials: Kinetic factors																
5	Redo	edox stability in water: Reactions with water																
6	Redo	edox stability in water: Disproportionation																
7		Redox stability in water: Oxidation by atmospheric oxygen																
8		The diagrammatic presentation of potential data: Latimer diagrams																
9	Repe	Repetition of previous lessons and midterm																
10		ne diagrammatic presentation of potential ata: Frost diagrams																
11				atic pr ndence		ation o	f pote	ntial										
12		The effect of the potential for complex prmation																
13	Cata	-																
14	Hom	oger	neous	and I	Heter	ogeneo	ous ca	talysis	S									
22 Textbooks, References and/or Other Materials: Activites								Ch Fre Re	Shriver D.F., Atkins P.W. and Langford C.H. Inorgan Chemistry, second edition, 1994. Fred B. And Ralph G.P.; Mechanisms of Inorganic Reactions, Second Edition, Wiley, 1967. Number Duration (hour) Total V Load (h							 /ork		
Terme	ticade N							UMBE	: Iw#	бнт			3.00 42.00					
Practica			ACII	VIIILS	,					0							0.00	
			epera	tion						0.00 14				3.00			42.00	
	If study and preperation									0				0.00			0.00	
Project										000				0.00			0.00	
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Others	vibution of Torm ()(oor) Looming Activities to									0				0.00				
Einal E										50,00				60.00			60.00	
Total W	Final Exams Contribution of Final Exam to Success Grade Total Work Load								- 1550						2	204.00		
Total w	Total work load/ 30 hr									5.00					5.80			
ECTS (CTS Credit of the Course									6.00								
24	ECT	S/	WO	RK L	OAD	TAB	LE											
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	4	ŀ	3	2	3	3	3	4	3	3	4	0	0	0	0	0	0	
ÖK2	4	ŀ	4	3	3	3	3	4	3	3	4	0	0	0	0	0	0	
ÖK3	3	3	2	3	3	3	3	3	4	4	4	0	0	0	0	0	0	
ÖK4	3	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: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	ution				2 low		3 Medium			4 High			5 Very High			