ACIDS, BASES AND SOLVENTS

1	Course Title:	ACIDS, BASES AND SOLVENTS
2	Course Code:	KIM5019
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
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:	There is no course prerequisites
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. SUAT AKSOY
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Yrd. Doç. Dr. M. Suat AKSOY msaksoy@uludag.edu.tr 0 224 29 41 740
17	Website:	
18	Objective of the Course:	The inorganic chemistry course for undergraduate education placement and there is exactly the completion of the missing issues. Thinking in graduate education so that students are targeted and directed to different explanations.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

	1	Students can a complete an understanding of Inorganic chemistry lectures given during undergraduate education provides
	2	Directs the student to think and to bring different interpretations
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Arrhenius definition of acid-base	
2	Bronsted-Lowry definition of acid-base	

3	Lewis definition of acid-base	
4	Lux-Flood definition of acid-base	
5	Usanovich definition of acid-base	
6	Solvent system	
7	Solvents with proton and Proton-free solvents	
8	Acid-base concept of molecular orbital theory	
9	Repetition of previous lessons and midterm	
10	Super acid	
11	Acidity and basicity of solvents,	
12	Gas-phase acids and bases	
13	Hardness and softness of acids and bases	
14	Practices related to the concept of acids and bases	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	3.00	42.00
Homeworks	4	20.00	80.00
Projects	0	0.00	0.00
Midterm Exam	1	40.00	
Field Studies	0	0.00	0.00
Midterm exams	1	40.00	40.00
Home work-project	0	0.00	
Others	0	0.00	0.00
Final Exams	1	40.00	40.00
Total	100.00		
Total Work Load			244.00
Total work load/ 30 hr			8.13
ECTS Credit of the Course			6.00

Total	100.00
Measurement and Evaluation Techniques Used in the Course	

24 ECTS / WORK LOAD TABLE

25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS

	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	0	1	0	1	0	1	2	1	0	0	0	0	0	0	0
ÖK2	3	0	1	0	1	0	1	2	1	0	0	0	0	0	0	0

4.Inorganic Chemistry Basic Concepts, H. Olmez, V.T. Yılmaz

LO: Learning Objectives PQ: Program Qualifications					
Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**