ANALYSIS METHODS FOR WEAK ENERGY BONDS									
1	Course Title:	ANALYS	IS METHODS FOR WEAK ENERGY BONDS						
2	Course Code:	KIM5035	5						
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:	-							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Prof. Dr. ASIM OLGUN							
15	Course Lecturers:	-							
16	Contact information of the Course Coordinator:	asimolgun@uludag.edu.tr 0 224 29 41 727							
17	Website:								
18	Objective of the Course:	Basic physicochemical properties of chemical structures depend on hydrogen bonding as much as molecular structures. In this course, it is intended to make predictions on the different features when assets and strengths of hydrogen bonds identified							
19	Contribution of the Course to Professional Development:	Acquires the ability to interpret chemical structures theoretically.							
20	Learning Outcomes:								
		1	Learning hydrogen bonding concept and how the hydrogen bonding could be determined.;						
		2	Defining the weak-energy interactions and learning the difference from hydrogen bonds.;						
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		4							
		5							
		6							
		7							
		8 9							
		9 10							
21	Course Content:								
21		Co	ourse Content:						
Week	Theoretical		Practice						
1	Chemical bonds								
2	Chemical bonds								
3	The definition of the weak energy int	eractions							
4	The definition of the weak energy int								
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5	London forces																	
6	Hyd	rogen bonding																
7	Hydi	lydrogen bonding																
8	Rep		n of p	reviou	s less	ons ar	nd MIE	DTERM										
9	Dipo	ole-di	pole ii	nterac	tions													
10	Dipo	ole-di	pole ii	nterac	tions													
11	Dipo	ole-di	pole ii	nterac	tions													
12	Inter	Interactions of weak energy bonds																
13	Inter	Interactions of weak energy bonds																
14	Inter	Interactions of weak energy bonds																
22	Textbooks, References and/or Other Materials:								Or 2. Mc 3. Ch 4.	 Dewar, M. J. S., The Molecular Orbital Theory of Organic Chemistry, Mc. Graw Hill, Newyork, 1979. Martin Klessinger, Elektronen Structure Organisher Moleküle, Verlag Chemie, 1982. Proble'mes de Chimie Physique, Atomistique of Liaison Chimique Masson & Cie, Paris, 1977. Fonde'ments The'orique des Recherches des Reactions Inte'rmole'culaires, CNRS, 1975 								
23	Asse	esme	ent						_									
TERM L	EAR	NING	ACTI	VITIES			N F		WE	EIGHT								
Midterm Exam 1 Activites														ation (hour) Total We				
														4.00				
Practic	racticals/Labs									0				0.00			0.00	
Saltces	Self Sug And Preparation								77	14				3.00			42.00	
Homew	Homeworks								6	6				9.00			54.00	
Project	ects									0				0.00			0.00	
Field S	Studies									0				0.00 0.00				
Course	diarm exams Ulse									the priciples of Bursa Ul				Iniver:	eu out sity Ass	sociate and		
Others	rs									0				0.00			0.00	
Fi 24 E	Fi24 EKEGTS / WORK LOAD TABLE										1					10.00		
Total Work Load																192.00		
Total work load/ 30 hr																6.07		
ECTS	ECTS Credit of the Course															6.00		
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	I	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	(3	2	2	3	4	4	3 4	4	1	4	0	0	0	0	0	0	
ÖK2	;	3	2	2	3	4	4	3 4	1	1	4	0	0	0	0	0	0	
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