ATMOSPHERIC CHEMISTRY									
1	Course Title:	ATMOSI	PHERIC CHEMISTRY						
2	Course Code:	KIM4030	)						
3	Type of Course:	Optional							
4	Level of Course:	First Cyc	le						
5	Year of Study:	4							
6	Semester:	8							
7	ECTS Credits Allocated:	5.00							
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:	msaksoy tel:29417	/@uludag.edu.tr 740						
17	Website:								
18	Objective of the Course:	to teach basic and important concepts of atmospheric chemistry							
19	Contribution of the Course to Professional Development:	The course contributes to professional development.							
20	Learning Outcomes:								
		1	Chemical and photochemical reactions in the atmosphere will be understood.						
		2	Atmospheric particles and their interactions will be understood.						
		3	The effect of chemical and photochemical processes in the development of the atmosphere will be understood.						
		4	The effects of climate change on ecological cycles will be understood.						
		5							
		6							
		7							
		8							
		9							
		10							
21 Course Content:									
	Course Content:								
Week	Theoretical		Practice						
1	Chemical and photochemical reactic atmosphere	ons in the							
2	Photochemical fog								
3	Atmospheric particles								
4	Interactions of atmospheric particles								
5	Gas inorganic pollutants: Carbon mo	onoxide							

6	Gas inorganic pollutants: Carbon dioxide																
7	Gas inorganic pollutants: sulfur dioxide																
8	Gas	Gas inorganic pollutants: sulfur trioxide															
9	Repe	Repetition of previous lessons and midterm															
10	Gas	Gas inorganic pollutants: nitrogen oxides															
11	Acidi	Acidic rainfall															
12	Acidi	ic rai	nfall														
13	Anthropogenic changes in the atmosphere																
14	Anthropogenic changes in the atmosphere																
22	Textbooks, References and/or Other Materials:						1) Cł 2)	1)B.J. Finlayson-Pitts, J.N. Pitts Jr, Atmospheric Chemistry, John&Wiley Sons, 1986 2) S.H. Mannahan, Fundamental of Environmental									
									Cł	nemisti	y, Willa	ard Gra	nt Pres	s, 1979	9		
							3) Da	3) Ö. Çınar, Çevre Kirliliği ve Kontrolü, Nobel Yayın Dağıtım,2008									
23	Asse	esme	ent														
TERM L	EARN	NING	ACTI	VITIES	;		۱ ۲	NUMBE R	W	EIGHT							
Midtern	Midterm Exam 1						40	40.00									
Quiz							(	)	0.	0.00							
Activit	Activites							Number			Dura	Duration (hour)			Total Work Load (hour)		
TRedre	Theoretical 2					10	100400			3.00	3.00			42.00			
Practic	Practicals/Labs							0.00			0.00						
Self study and preperation							14			1.00	1.00			14.00			
Homew	Homeworks							- 6	0			0.00	0.00			0.00	
Project	ojects								0			0.00	0.00			0.00	
Field S	Id Studies								0			0.00	0.00			0.00	
Midtern	dterm exams							U	Undergraduate Educatio A0.00 40.00					40.00			
Others	ers								0			0.00	0.00			0.00	
Final E	l Exams								1			50.00	50.00			50.00	
Total W	al Work Load												146.00				
Total w	otal work load/ 30 hr												4.87				
ECTS (	CTS Credit of the Course							5.00									
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	B PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	1		1	4	1	3	1	3	1	1	3	4	3	3	0	0	0
ÖK2	1		1	4	1	3	1	3	1	1	3	4	3	3	0	0	0
ÖK3	1		1	4	1	3	1	3	1	1	3	4	5	5	0	0	0
ÖK4	1		1	4	1	3	1	3	1	1	3	4	5	5	0	0	0
	LO: Learning Objectives PQ: Program Qualifications																

Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
ution					
Level:					