

ATMOSPHERIC CHEMISTRY

1	Course Title:	ATMOSPHERIC CHEMISTRY	
2	Course Code:	KIM4030	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
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 face	
14	Course Coordinator:	Doç. Dr. SUAT AKSOY	
15	Course Lecturers:	-	
16	Contact information of the Course Coordinator:	msaksoy@uludag.edu.tr tel:2941740	
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.
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Chemical and photochemical reactions in the atmosphere		
2	Photochemical fog		
3	Atmospheric particles		
4	Interactions of atmospheric particles		
5	Gas inorganic pollutants: Carbon monoxide		

6	Gas inorganic pollutants: Carbon dioxide	
7	Gas inorganic pollutants: sulfur dioxide	
8	Gas inorganic pollutants: sulfur trioxide	
9	Repetition of previous lessons and midterm	
10	Gas inorganic pollutants: nitrogen oxides	
11	Acidic rainfall	
12	Acidic rainfall	
13	Anthropogenic changes in the atmosphere	
14	Anthropogenic changes in the atmosphere	

23	Assesment
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Midterm Exam	1	40.00
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Activites	Number	Duration (hour)	Total Work
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Total	2	100.00		
Theoretical		14	3.00	42.00

Self study and preparation	14	1.00	14.00
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Homeworks	0	0.00	0.00
Total Projects	100.00	0.00	0.00

Field Studies	0	0.00	0.00
Mileage	141	10.33	10.33

Others	0	0.00	0.00
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Total Work Load			146.00
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ECTS Credit of the Course			5.00
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19	CONTRIBUTION OF LEARNING GOALS TO PROGRAMME QUALIFICATIONS
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ÖK1	1	1	4	1	3	1	3	1	1	3	4	3	3	0	0	0
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ÖK2	1	1	4	1	3	1	3	1	1	3	4	3	3	0	0	0
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OK3	1	1	4	1	3	1	3	1	1	3	4	5	5	0	0	0
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SR4	1	1	1	1	0	1	0	1	1	0	1	0	0	0	0	0
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LO: Learning Objectives **PQ: Program Qualifications**

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