DAILY LIFE AND CHEMISTRY

1	Course Title:	DAILY LIFE AND CHEMISTRY
2	Course Code:	FEN0103
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	3
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
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. SEVGÜL ÇALIŞ
15	Course Lecturers:	yok
16	Contact information of the Course Coordinator:	Doç.Dr.Sevgül ÇALIŞ scalis@uludag.edu.tr 0-224-2942227
17	Website:	
18	Objective of the Course:	To teach the subjects of air, chemistry, nuclear energy, water protection, industrial and agricultural protection, chemistry and environment relationship, chemistry and nutrition, chemistry and environmental chemistry by associating them with daily life.
19	Contribution of the Course to Professional Development:	Comprehends the concepts related to the field and the relationships between concepts based on the competencies gained in secondary education. Discusses the methods related to the production of scientific knowledge. Uses advanced information sources related to the field. Conceptualizes the facts and events related to the field, examines them with scientific methods and techniques, interprets the data. Defines and analyzes problems related to the field, and develops solutions based on evidence and research. Evaluates the acquired knowledge and skills with a critical approach. It shows that the society and the world is sensitive to the events / developments and monitors these developments. Has sufficient awareness of environmental protection and occupational safety.
20	Learning Outcomes:	

	1	He/she is aware of air pollution and knows the precautions.
	2	Recognizes water pollution and explains precautions.
	3	Recognizes soil pollution and knows the precautions.
	4	Explains what chemical wastes are and the environmental pollution they create.
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21	Course Content:

Course Content:

Week	Theoretical	Practice
1	Explains what chemical wastes are and the environmental pollution they create. Air pollution, acid rain, smog pollution and their prevention. greenhouse gases	
2	A chemical look at our health and food	
3	Enthalpy sources of our world	
4	From river water to drinking water	
5	Glasses and ceramics	
6	Relationship between visual arts and chemistry	
7	corrosion chemistry	
8	drug therapy and chemistry	
9	Chemical cleaning agents and their correct use	
10	Carbon based substances	
11	Chemistry in the life process	
12	Environment and environmental problems in	
14	Nuclear energy	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	3.00	42.00
Homeworks	4	5.00	20.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	10.00	10.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			130.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

Materials:

2) Sodhi G.S., 2000: Fundamental Concepts of

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Quiz	0	0.00
Final Exam	1	60.00

Contribution of Term (Year) Learning Activities to Success Grade	40.00
Contribution of Final Exam to Success Grade	60.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	Techniques such as lecture, discussion, question-answer, 3E are used in the teaching of the course. Midterm and final exams are taken into consideration in the measurement and evaluation of 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	5	1	1	1	5	5	1	1	5	5	1	1	1	1	1	1
ÖK2	5	1	1	1	5	5	1	1	5	5	1	1	1	1	1	1
ÖK3	5	1	1	1	5	5	1	1	5	5	1	1	1	1	1	1
ÖK4	5	1	1	1	5	5	1	1	5	5	1	1	1	1	1	1
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**		**2 low**			**3 Medium**			**4 High**			**5 Very High**				