YOZGAT BOZOK UNIVERSITY FACULTY OF ARTS AND SCIENCES

CHEMISTRY DEPARTMENT COURSE PLAN

Course Code	Course Title	Semester	Course Type (C/E)	T+A+L (Time/Week)	Credit	ECTS	Course Language
ADSL-063	Organic Chemistry in Daily Life	3	E	2+0+2	2	2	Turkish

COURSE INFORMATION

Course Catalog Description (Content)	This course covers the following topics: What is organic chemistry?, Historical development of organic chemistry, Organic chemistry in medicine, Organic chemistry in medicine, Organic chemistry in food, Organic chemistry in polymers, Organic chemistry in petrochemistry, Organic chemistry in paint, Organic chemistry in textiles, Organic chemistry in explosives, Organic in agriculture chemistry, Assessment with Students and new ideas
The Aim of the Course	The aim of this course is to base the usage areas of organic chemistry in every stage of life.
Course Level	Lisans
Course Language	Türkçe
Teaching method	(X) Formal ( ) Online ( ) Mixed/Hybrid
Teaching Staff of the Course	
Prerequisite Course(s) of the Course	
Learning Outcomes from the Course	**1.** This course triggers the student's sense of scientific curiosity, so that the students are guided to do research about the situations they encounter in daily life with the driving force of scientific curiosity **2.** Students realize the importance of chemical processes that are trivial and constantly occurring in our daily lives. **3.** Students bring scientific solutions to the problems they encounter, think rationally, and associate them with theoretical chemistry knowledge. **4.** Students use foreign language knowledge and skills to reach scientific knowledge. **5.** Students consume many products (such as food, cosmetics) more consciously

COURSE CONTENT

Week	Theory	Practice/Laboratory
1	What is organic chemistry?	
2	Historical development of organic chemistry	
3	Organic chemistry in medicine	
4	Organic chemistry in pharmaceuticals	
5	Organic chemistry in food	
6	Organic chemistry in polymer	
7	Organic chemistry in petrochemistry	

8	Organic chemistry in dye	
9	Organic chemistry in textiles	
10	The specific ingredients in the cleaning products and the chemistry of cleaning	
11	Organic chemistry in explosives	
12	Organic chemistry in agriculture	
13	Hazardous chemicals in household cleaning products and their correct use	
14	Questions that comes from students about chemistry in daily life	
15	Final Exam	

Course Learning Resources

1. Lecturer notes, up-to-date resources such as scientific web sites, recent research articles.

ASSESSMENT CRITERIA

Work Activities During the Semester	Number	Contribution
Homework	3	60
Practice		
Forum/ Discussion Application		
Short Exam (Quiz)	2	40
Ratio Of Semester Studies To Semester Success (%)		50
Ratio of Final to Success (%)		50
Total		%100

COURSE WORKLOAD TABLE

Activity	Total Weeks	Duration (Weekly Hours)	Total Workload
Theory	14	2	28
Practice			
Forum/ Discussion Application			
Reading	3	6	18
Internet Scanning, Library Study			
Material Design, Application			
Report Preparation			
Presentation Preparation			
Presentation			
Final Exam	1	1	1
Preparation for the Final Exam	1	3	3
Other(s) (Specify: … …. ……..)			
Total Workload			50
Total Workload / 25 (s)			2
ECTS Credits of the Course			2≅
Note: The workload of the course will be determined by the instructor on a per-course basis.			

PROGRAM LEARNING OUTPUTS CONTRIBUTION LEVELS

No	Program Learning Outputs	1	2	3	4	5

1	Gains extensive knowledge about the basic chemical properties of matter and uses this knowledge in daily life, industrial scale, and practical chemistry and shares them with the society.			**x**		
2	Performs experiments, collects data, interprets, evaluates results, defines problems parallel to current technological developments, produces solutions against problems encountered in the laboratory.			**x**		
3	Calculates and processes chemical information and data.		**x**			
4	Applies her/his knowledge and understanding of chemistry to the solution of unconventional qualitative and quantitative problems.				**x**	
5	Defines and comprehends chemical concepts and theories in Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Analytical Chemistry, Biochemistry.				**x**	
6	Can conduct research in the light of scientific data on any subject in the field of chemistry.			**x**		
7	Writes, presents, discusses scientific material, and presents it orally to a knowledgeable audience.			**x**		
8	Brings a chemical approach to the solution of environmental problems, makes environmental analyzes and reports.				**x**	
9	Knows a foreign language at a level to read and understand the basic terms and processes of the chemist profession.					**x**
10	Can use computer software and information and communication technologies at the level required by the field.				**x**	
11	Adapts and transfers the knowledge gained in the field to secondary education.			**x**		
12	Apart from the field of chemistry, she/he gains knowledge in different branches of science that she feels close to.				**x**	
13	Carries out a study independently, makes group work and gains the awareness of taking responsibility.				**x**	
14	They can develop a positive attitude towards lifelong learning and constantly renew their professional knowledge and skills.			**x**		
15	Have sufficient awareness of the universality of social rights, social justice, quality culture and protection of cultural values, environmental protection, occupational health and safety.				**x**	