

YOZGAT BOZOK UNIVERSITY FACULTY OF ARTS AND SCIENCES CHEMISTRY DEPARTMENT COURSE PLAN

Cours Code		Semes ter	Course Type (C/E)	T+A+L (Time/Week)	Credi t	ECT S	Course Language	
KİM74	8 Toxicology	2	Е	2+0+0	2	4	Turkish	
		COURSE	INFORMAT	TION				
Course Catalog Description (Content)		Introduction / Toxicological terminology / Classification / Dose-response relationships / Receptors and toxic substances / Toxic compounds, exposure and impact / Effectiveness and transformation of toxic compounds, mutagenesis, carcinogenesis, teretojenez, immunotoxicology / Metal and non-metals, toxic food additives / Pesticide toxicology / Industrial and environmental pollutants.						
The Aim of the Course		Chemical Toxicology is intended for the use of people from various disciplines and diverse backgrounds. Examine the nature of the adverse effects of chemicals on living systems, the occurrence of adverse effects, to predict probabilities of occurrence, and the risk / benefit and risk assessment is to determine the rate.						
Course	e Level	Undergradu	ate					
Course	e Language	Turkish						
Teachi	ng method	(X) Formal	() Online	e (X) Mixed/Hy	brid'			
Teachi	ng Staff of the Course	Prof. Dr. İsm	nail AKDEN i	Z				
Prereq Course	uisite Course(s) of the	-		4				
Learning Outcomes from the Course		living sy 2. Student probabi 3. Student assessi 4. Particip knowled 5. Has the technica solve pr	ystems. ts will occulor ts will be ablowent. bates in interested ability to desarrous. all equipment oblems.	e to determine the rerdisciplinary sold and analytical esign and implement, collect data ar	dverse ne Benef tudies b thinking tent expe	effects, it / Loss by usin ability. eriments	to predict rate and risk g the basic s, use modern	
		CC	OURSE CON	ITENT		7		
Week	Theory		Pr	actice/Laborato	ry			
1	Introduction							
2	Toxicological Terminology							
3	Classification							
4	Dose-response Relationships							
5	Receptors and Toxic Substances Toxic Compounds, Exposure and Impact							
6								
8	Effectiveness and Transformation of Toxic Compounds Effectiveness and Transformation of Toxic							
9	Compounds Mutagenesis, Carcinogenesis, Teretojenez, Immunotoxicology							



10	Metal and Non-metals			
11	Toxic Food Additives			
12	Pesticide Toxicology			
13	Industrial and Environmental Pollutants			
14	Discussions, Research and Presentation			
15	Final Exam			

Course Learning Resources

1.

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

Activity	Total Weeks	Duration (Weekly Hours)	Total Workload
Theory	14	2	28
Practice			
Forum/ Discussion Application			
Reading	. 0		
Internet Scanning, Library Study	14	2	28
Material Design, Application			
Report Preparation	08		
Presentation Preparation			
Presentation			
Final Exam	1	2	2
Preparation for the Final Exam	1	10	10
Other(s) (Preparation for Quizzes and Exams)	3	10	30
Total Workload			98
Total Workload / 25 (s)	98/25		
ECTS Credits of the Course	≌4		
Note: The workload of the course will be basis.	determined by the instru	ctor on a per-course	

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.					Х
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.				Х	
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	

