



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
KİM351	Organic Chemistry-I	Autumn	C	4+0+0	4	6	English

COURSE INFORMATION

Course Catalog Description (Content)	Gain knowledge about the basics of Organic Chemistry. Understands the importance of organic compounds. Learns hydrocarbons and their reactions. Writes the synthesis methods of organic compounds. Comprehends the physical and chemical properties of alcohols and ethers.
The Aim of the Course	To teach the basics of Organic Chemistry and to give information about how organic reactions proceed.
Course Level	Master
Course Language	English
Teaching method	(X) Formal () Online () Mixed/Hybrid
Teaching Staff of the Course	Prof. Dr. Mustafa SAÇMACI Prof. Dr. Ş.Hakan ÜNGÖREN Prof. Dr. İrfan KOCA Dr. Öğr. Üyesi İbrahim Evren KIBRIZ
Prerequisite Course(s) of the Course	-
Learning Outcomes from the Course	-Gain knowledge about the basics of Organic Chemistry. -Understands the importance of organic compounds. -Learns hydrocarbons and their reactions. -Writes the synthesis methods of organic compounds. - Comprehends the physical and chemical properties of alcohols and ethers.

COURSE CONTENT

Week	Theory	Practice/Laboratory
1	Introduction to Organic Chemistry	
2	Molecular structures and physical properties of alkanes	
3	Chemical reactions of alkanes	
4	Molecular structures and physical properties of alkenes	
5	Obtaining alkenes and their chemical reactions	
6	Structures and properties of alkynes	
7	Methods and reactions of obtaining alkynes	
8	Molecular structures of organic halogen compounds	
9	Chemical reactions of organic halogen compounds	
10	Molecular structures of alcohols	
11	Physical properties of alcohols and dialcohols	
12	Chemical reactions of alcohols	
13	Molecular structures and properties of ethers	

14	Chemical reactions of ethers					
15	Final Exam					
Course Learning Resources						
1. Celal Tüzün, Organic Chemistry 2. Fessenden, Organic Chemistry 3. Solomon, Organic Chemistry 2. 3. 4.						
ASSESSMENT CRITERIA						
Work Activities During the Semester	Number	Contribution				
Homework	1	%30				
Practice						
Forum/ Discussion Application						
Short Exam (Quiz)	2	%35				
Ratio Of Semester Studies To Semester Success (%)		%40				
Ratio of Final to Success (%)		%60				
Total		%100				
COURSE WORKLOAD TABLE						
Activity	Total Weeks	Duration (Weekly Hours)	Total Workload			
Theory	14	4	56			
Practice						
Forum/ Discussion Application						
Reading	4	8	32			
Internet Scanning, Library Study	14	2	28			
Material Design, Application						
Report Preparation						
Presentation Preparation						
Presentation						
Final Exam	1	2	2			
Preparation for the Final Exam	4	8	32			
Other(s) (Specify:)						
Total Workload						
Total Workload / 25 (s)			150/25			
ECTS Credits of the Course			150/25 \cong 6			
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			

Bozok