

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

2006										
Cours Code	-	Course Title	Semes ter	Course Type (C/E)	T+A+L (Time/Week)	Credi t	ECT S	Course Language		
KİM11	2 (General Chemistry Laboratory I	Fall	C	0+4+4		4	Turkish		
	<u> </u>		COURSE	INFORMAT	ΓΙΟΝ					
Course Catalog Description (Content) The Aim of the Course			Introduction, General Information, Conservation of Mass, Identification by Using Physical and Chemical Properties of the Matter, Solution Preparation, Stoichiometry, Determination of the Formula of a Crysta Compound, Sublimation, Distillation, Crystallization, Precipitation Filtration, Centrifugation, Complexization, Titration and Standard Solution Preparation, Crystalline Eye Stone Determination of Water Density Determination of Solids and Liquids It is aimed to teach the students to know the substance, prepare solution, basic laboratory experiments (crystallization, distillation)							
Course	a I evel		precipitation, centrifugation). Bachelor degree							
		ne	Turkish							
Course Language Teaching method			(X) Formal () Online () Mixed/Hybrid							
		of the Course	Related Lecturers							
			Troidiod 200							
Course		urse(s) of the								
Course			3. Can plan as a set for 4. Uygun bili 5. Prepares	chemistry ex or experimen msel ölçümle	eri uygular ve vei raphs, analyzes	set up lat rileri kayo	ooratory deder.			
Week	Theory		50 9	Pra	actice/Laboratory					
1					roduction					
2		1		Ge	eneral Information					
3				Co	nservation of Mas	s				
4				Pro	Recognition by Using the Physical and Chemical Properties of the Matter					
5					lution Preparation					
6					oichiometry					
7					Determining the Formula of a Crystal Compound Sublimation, Distillation, Crystallization					
8										
9					Precipitation, Filtration, Centrifugation, Complexation					
10					Titration and Standard Solution Preparation					
11					Determination of Bluestone Crystal Water					
12					Density Determination of Solids and Liquids					
13					Compensation Week					
14					mpensation Week					
15				Final Exan	n					



Course Learning Resources

1. Sarikaya, Y. 2004. Basic University Chemistry, Gazi Bookstore, Ankara

2. 2- General Chemistry Laboratory Sheet

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 (%)	1	%60		
Total		%100		

	COURSE WORKLOAD TA	BLE			
Activity	Total Weeks	Duration (Weekly Hours)	Total Workload		
Theory					
Practice	14	4	56		
Forum/ Discussion Application					
Reading	14	1	14		
Internet Scanning, Library Study	14	1	14		
Material Design, Application					
Report Preparation	14	1	14		
Presentation Preparation					
Presentation					
Final Exam	1	1	1		
Preparation for the Final Exam	1	3	3		
Other(s) (Specify:)					
Total Workload	M				
Total Workload / 25 (s)	114		102/25		
ECTS Credits of the Course	102/25≌4				
Note: The workload of the course will be d	etermined by the instructor on	a per-course basis.			

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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.					>
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.				х	
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.				х	
7	Writes, presents, discusses scientific material, and presents it orally to a knowledgeable audience.				Х	



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.			Х	
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.			х	
14	They can develop a positive attitude towards lifelong learning and constantly renew their professional knowledge and skills.			х	
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			

