

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			
KİM72	3 Dyestuffs Chemistry	1-2	E	2+0+0		5	Turkish			
		COURSE	INFORMA	ΓΙΟΝ		1				
Course Catalog Description (Content)		Light, Characterization of light and information about color, Lambert Beer Law, light absorption. Dyestuffs and pigments used in historica times. Paints used today. Dyestuffs according to their chemica structures, dyestuffs according to their application forms. Chemica structures of natural and artificial fibers and dyes applied to these fibers								
The Aim of the Course		Having knowledge about the chemical structures of the raw materials and fabrics used in dressing and clothing, which is the basic need of people, and the chemical structures of the dyestuffs used in the dyeing of these materials, who know how the industrial activities in this field affect the living and environmental health, who know the production difficulties and labor in this industrial area, and who are willing to contribute to this labor. and to educate students who respect knowledge. In addition, to ensure that they have an idea about the dyestuffs to be used in the protection and repair of cultural properties.								
			Bachelor degree							
Course Language		Turkish								
Teaching method		(X) Formal () Online () Mixed/Hybrid								
	ng Staff of the Course	Prof. Dr. Mu	Prof. Dr. Mustafa SAÇMACI							
Prereq Course	uisite Course(s) of the									
Learning Outcomes from the Course		dyestuff. 2. Preliminar 3. Will have i 4. Informatio structures	 Students will have information about the content of an organic dyestuff. Preliminary preparations for organic dyestuffs will be taught. Will have information about chromophore groups. Information on the use of dyestuffs according to their chemical structures will be given. Paints used today will be taught. 							
			URSE CON							
Week	Theory		Pra	actice/Laboratory						
1	Light									
2	Characterization of light									
3	Information about color									
4	Lambert-Beer Law									
5	Light absorption									
6	Dyestuffs used in historical times									
7	Pigments used in historical ages									
8	Dyestuffs according to their ch	emical structures	;							
	Dyestuffs according to application forms									
9		Chemical structures of natural and artificial fibers								
9 10		and artificial fibe	rs							
		and artificial fibe	rs							

13	Synthesis steps of dyes used too	lay									
14	Synthesis steps of dyes used today										
15	Final Exam										
2. G. E 3. M. T 4. I. Ba	. Mahapatra, Textile Dyes, Wo Ebner, D. Schelz, Textilfärberei Futak, Dyestuff Chemistry, lectu aşer, Y. İnanıcı, Marmara Unive lication no:2.	und Farbstoffe, Š ure notes.	g India PVT L Springer-Verl	_td., CR ag, 198	9.	·	•		ÿ		
		ASSESSMEN		4							
Work A	ctivities During the Semester		Number	•		Co	ontribut	ion			
Homew	-		1	1			%30				
Practic											
	Discussion Application						0/05				
	xam (Quiz) f Semester Studies To Semeste	er Success (%)	Ζ	2			%35 %40				
Ratio o	f Final to Success (%)		1	1			%60				
Total								%100			
Activity		COURSE WORKLOAD TAB Total Weeks		Duration (Weekly		Total Workload					
Theory	,				Hours)						
Theory Practice		14		2		28					
	/ Discussion Application										
Reading		14		3		42					
Internet Scanning, Library Study		14		2		28					
	al Design, Application										
•	Preparation	D									
Presentation Preparation		all									
Presentation		50 %									
Final Exam		1		2			2				
Preparation for the Final Exam		4			6		24				
`	s) (Specify:)										
	Vorkload										
Total Workload / 25 (s)							124/25				
ECTS Credits of the Course						124/25≌5					
Note: TI	he workload of the course will be o	determined by the ir	nstructor on a	per-cou	rse bas	is.					
	PROGRAMI		ITS CONTR			FLS					
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, evalued defines problems parallel to current technological development of produces solutions against problems encountered in			,		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.				Х
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.			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		

