	ARCHEOLOGY AND CHEMISTRY									
1	Course Title:	ARCHEOLOGY AND CHEMISTRY								
2	Course Code:	KIM4076								
3	Type of Course:	Optional								
4	Level of Course:	First Cycle								
5	Year of Study:	4								
6	Semester:	7								
7	ECTS Credits Allocated:	5.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Doç. Dr. HASENE MUTLU GENÇKAL								
15	Course Lecturers:	Prof. Dr. Belgin İZGİ Doç. Dr. Ümran Seven ERDEMİR								
16	Contact information of the Course Coordinator:	hasenem@uludag.edu.tr +90 224 2941734 Bursa Uludağ Üniversitesi Fen-Edebiyat Fakültesi Kimya Bölümü 16059 Görükle / BURSA  Bursa Uludag University Faculty of Sciences and Arts Department of Chemistry 16059 Gorukle / BURSA								
17	Website:									
18	Objective of the Course:	The course aims to give the students sufficient information about the use of chemistry in archeology.								
19	Contribution of the Course to Professional Development:	To have the ability to transfer knowledge of chemistry to different disciplines, To establish a technical and scientific relationship between chemistry and archeology								
20	Learning Outcomes:									
		1	To understand the use of chemistry in archeology							
		2	To teach the chemistry and technologies of archaeological materials							
		3	Methods of chemical analysis of archaeological materials and interpretation of results							
			Preservation of archaeological material							
		5								
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
	Course Content:									

Week	Theoretical		ractice							
1	Terms and Concepts about Archeolog Archeometry and Chemistry, Archaed Chemistry									
2	History of Archaeological Chemistry, Status and Scope of Archaeological Chemistry	Current								
3	What archaeologists want to know ab archaeological artifacts	out								
4	Cellulose, hemicellulose, lignin and for compounds, cell types and plastic corof wood									
5	Minerals, Stones, and Rocks									
6	Sediments and soils, pottery									
7	Bones and teeth									
8	Metals and coins, other materials									
9	Glass and glassy materials, building materials, pigments and dyes									
10	Analysis methods of archaeological n Microscopic methods	naterials:								
11	Analysis methods of archaeological n Methods for element and isotope ana									
	Analysis methods of archaeological n Molecular analysis methods									
12 Activit	Restoration and Protection of Archae		Number	Duration (hour)	Total Work					
				INGITIDE	Duration (nour)	Load (hour)				
Theoret Archaeological Materials, Archaeological				14	3.00	42.00				
Practicals/Labs				0	0.00	0.00				
Self study and preparation 12 Hextbooks: References and/or Other				14 Arkeokimvava Genel	3.00 Bakıs, Sevi Öz, Sal	42.00 ninde Demirci				
Homew				1	10.00	10.00				
Project	8		Δ.	ਹ . Douglas Price • Jai rchaeological Chemist	nes H. Burton, An I v. Springer. 2012.	0.00				
Field St	tudies			0	0.00	0.00				
	n exams		4.	אָקר. A.M. Pollard, Archaec						
Others				0	0.00	0.00				
Fi23 E Assesment Total Work Load				1	40.00	40.00				
						174.00				
	ork load 30 hr	1	2	0.00		5.13				
ECTS Credit of the Course						5.00				
1 ,				20.00						
				60.00						
Total		3	100.00							
	ution of Term (Year) Learning Activitie s Grade	es to	40.00							
Contrib	ution of Final Exam to Success Grade	}	60.00							
Total			10	100.00						
Measur Course	ement and Evaluation Techniques Us	ed in the	Homework (presentation) The system of relative evaluation is applied.							
24	ECTS / WORK LOAD TABLE									

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	0	4	2	4	0	0	2	0	0	2	0	2	0	0	0	0
ÖK2	0	3	2	4	0	0	2	0	0	2	0	4	0	0	0	0
ÖK3	0	4	2	4	0	0	2	0	0	2	0	4	0	0	0	0
ÖK4	0	3	2	4	0	0	2	0	0	2	0	3	0	0	0	0
			LO: L	earr	ning (	Objec	ctive	s P	Q: P	rogra	ım Qu	alifica	tions	<u>.                                    </u>		
Contrib 1 very low ution Level:			2	2 low		3	Medium		4 High				5 Very High			