ARCHEOMETRY

1	Course Title:	ARCHEOMETRY
2	Course Code:	ARK5113
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	no
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. HÜSEYIN S. BAŞKAYA
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Prof.Dr. Hüseyin S.BAŞKAYA başkaya@uludag.edu.tr 2942100
17	Website:	
18	Objective of the Course:	To give a advenced information on Archeometry (Solutions to the archaeological problems by the application of scientific methods of natural and applied sciences).
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

	1	To be able to evaluate the archaeological finds with the help of natural, physical and ingeneering sciences
	2	To be able to discuss interdisciplinary studies
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21	Course Content:

Course Content:

Week	Theoretical	Practice
1	Methods to recognize archaeological sites (Optical methods). Literature survey on the topic.	
2	Methods to recognize archaeological sites (geophysical prospection)(2). Literature survey on the topic.	

3	Dating methodology in Archeology and Archeometry(Radiocarbon dating) (1).Literature survey on the topic.	
4	Dating methodology in Archaeology and Archaeometry(other techniques) (2).Literature survey on the topic.	
5	Dating methodology in Archaeology and Archaeometry(other techniques) (3).Literature survey on the topic.	
6	Theoretical and practical concepts of analysis techniques which are used in determination of important parameters for archaeological materials (volumetric and gravimetric determination).(1) Literature survey on the topic.	
7	Theoretical and practical concepts of analysis techniques which are used in determination of important parameters for archaeological materials (volumetric and gravimetric determination).(2) Literature survey on the topic.	
8	Repeating courses and midterm exam	
9	Theoretical and practical concepts of analysis techniques which are used in determination of important parameters for archaeological materials (Thermoluminescence).(3) Literature survey on the topic.	
10	Theoretical and practical concepts of analysis techniques which are used in determination of important parameters for archaeological materials (atomic absorbtion visible spectroscopy, nephelometry, turbidimetry).(5) Literature survey on the topic.	
12	Theoretical and practical concepts of analysis techniques which are used in determination of important parameters for archaeological materials (flame photometry, XRD) (6) Literature survey on the topic	
13	Theoretical and practical concepts of analysis techniques which are used in determination of important parameters for archaeological materials (conductimetry, SEM) .(7) Literature survey on the topic.	
14	Theoretical and practical concepts of analysis techniques which are used in determination of important parameters for archaeological materials (SEM ,IR).(8) Literature survey on the topic.	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	6.00	84.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	15.00	15.00
Others	0	0.00	0.00
Final Exams	1	23.00	23.00
Total Work Load			150.00
Total work load/ 30 hr			5.00
ECTS Credit of the Course			3.00

22	Textbooks, References and/or Other Materials:	1-Archeometry Textbooks, 2- “ Annual Archeometry Workshops of Ministry of Culture” (Vol.1-26) (www.kvmgm.gov.tr/belge/1-75558/ekitap.html)
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**

Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

24	**ECTS / WORK LOAD TABLE**

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	5	0	4	3	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**