Course Syllabus

Code - Course Title	**ARK554 - Metallurgy in Antiquity**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	DOÇ. DR. BEKİR SITKI ALPTEKİN ORANSAY

Mode of Delivery	The mode of delivery of this course is Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Recommended Resources	* Forbes, R.J. (1950) Metallurgy in Antiquity, Leiden * Forbes, R.J. (1957) Studies in Ancient Technology 5, Leiden * Forbes, R.J. (1958) Studies in Ancient Technology 6, Leiden * Forbes, R.J. (1963) Studies in Ancient Technology 7, Leiden * Forbes, R.J. (1971) Studies in Ancient Technology 8, Leiden * Forbes, R.J. (1972) Studies in Ancient Technology 9, Leiden * Tylecote, R.F. (1976) A History of Metallurgy, London * Tylecote, R.F. (1987) The Early History of Metallurgy in Europe, London * Kültür Bakanlığı (1986-2006) Arkeometri Araştırmaları Toplantıları No:1-21, Ankara * Maden Tetkik Araştırma Enstitüsü (M.T.A.) Yayınları
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Geological Background: Ancient Theories, Modern Terminology, Minerals	
Week - 2		The Characteristics of Metals and their place in nature	
Week - 3		Mineral, Metal and the Alloys	
Week - 4		The Processing of Mining and Metallurgy	
Week - 5		The Production of Metal Objects: Workshops, Tools and Equipment	
Week - 6		The Production of Metal Objects:Production Methods	
Week - 7		Early Production Activities: Mesopotamia, Egypt and Anatolia	
Week - 8		The Greeks: Prospecting, Placing and Refining	
Week - 9		The Greeks: Manufacture of Alloys and Production Methods	
Week - 10		The Romans: Prospecting, Placing and Refining	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 11		The Romans:Manufacture of Alloys and Production Methods	
Week - 12		The Romans:Manufacture of Alloys and Production Methods	
Week - 13		Mining and Metallurgy in Anatolia	
Week - 14		Mining and Metallurgy in Anatolia	

Learning Outcomes

#	Learning Outcome
1	Explain the terms and the basic concepts of Mining and Metallurgy a. define the features and form of metals and their place in nature b. identify the position of mining activities in ancient technology
2	Identify the evolution of mining activities a. explain how the first metal was explored in nature. b. explain the first metallurgical activities and production methods
3	Explain the first metallurgical activities in the Greek and Roman periods a. define the metals which were used by Greek and Romans b. debate the methods for preparing the alloy and its production.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.