

MODULE OUTLINE ATM60

1. GENERAL INFORMATION

SCHOOL	OF APPLIED ARTS AND SUSTAINABLE DESIGN		
PROGRAM COURSE	Documentation and modeling of Monuments and Archaeological Sites (ATM)		
LEVEL OF STUDY	POSTGRADUATE		
MODULE CODE	ATM61	SEMESTER OF STUDY	2nd
MODULE TITLE	Archaeometry		
INDEPENDENT TEACHING ACTIVITIES <i>in case credits are awarded for separate components/parts of the course, e.g. in lectures, laboratory exercises, etc. If credits are awarded for the entire course, give the weekly teaching hours and the total credits</i>		HOURS	CREDIS
Weekly teaching hours 20 hours x 13 weeks		260	10 ECTS
COURSE TYPE Compulsory, Optional, Optional mandatory	Elective		
PREREQUISITE MODULES:	None		
LANGUAGE OF INSTRUCTION AND EXAMS	Greek		
THE MODULE IS OFFERED TO ERASMUS STUDENTS	No		
MODULE WEBSITE (URL)	https://www.eap.gr/en/documentation-and-modeling-of-monuments-and-archaeological-sites-atm-thematics/#atm61 Each module has its own space in the Learning Management System of HOU (https://courses.eap.gr/login/index.php), with controlled access (use of code) for students and teaching staff.		

2. LEARNING OUTCOMES

Learning Outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate (certain) level, which students will acquire upon successful completion of the course, are described in detail. It is necessary to consult:</i>
Upon successful completion of the thematic unit, female and male students will be able to: • Understand the methods of dating archaeological materials. • Evaluate the characterization, origin, and investigation of the technology of ancient structural and functional materials used in antiquity. • Comprehend the degree of deterioration of archaeological materials and develop conservation material. • Synthesize elements enabling the reconstruction of the ancient and archaeological environment, paleodiet, and daily life. • Understand the methods of isotopic analysis with the aim of drawing conclusions on cultural heritage issues.
General Competences <i>Taking into consideration the general competences that students/graduates must acquire (as those are described in the Diploma Supplement and are mentioned below), at which of the following does the course attendance aim?</i>

<i>Search for, analysis and synthesis of data and information by the use of appropriate technologies, Adapting to new situations Decision-making Individual/Independent work Group/Team work Working in an international environment Working in an interdisciplinary environment (Other.....citizenship, spiritual freedom, social awareness, altruism etc.)</i>	<i>Project planning and management Respect for diversity and multiculturalism Environmental awareness Social, professional and ethical responsibility and sensitivity to gender issues Critical thinking Development of free, creative and inductive thinking Introduction of innovative research</i>
• Search for, analysis and synthesis of data and information by the use of appropriate technologies, • Adapting to new situations • Decision-making. • Individual/Independent work • Group/Team work • Working in an interdisciplinary environment • Introduction of innovative research • Respect for diversity and multiculturalism • Environmental awareness • Social, professional and ethical responsibility and sensitivity to gender issues • Critical thinking • Development of free, creative and inductive thinking	

3. MODULE CONTENT

The course module "Archaeometry" aims to provide basic and applied education and research in the scientific field of archaeometry and isotopic archaeological analysis, which involves the application of Stable Isotopes to archaeological materials (radiocarbon, stable isotopes, trace elements). Special emphasis is given to issues related to the characterization and origin of archaeological materials, the reconstruction and evolution of the ancient environment, the investigation of paleodiet, and the diagnosis of the deterioration of ancient materials.

4. TEACHING METHODS--ASSESSMENT

MODES OF DELIVERY <i>Face-to-face, in-class lecturing, distance teaching and distance learning etc.</i>	Distance education with 3 Group Counseling Meetings of 4 hours each (OSS) Personal communication and feedback when needed (consulting role of tutors)						
USE OF INFORMATION AND COMMUNICATION TECHNOLOGY <i>Use of ICT in teaching, Laboratory Education, Communication with students</i>	We use : Remote meetings tools (cisco webex), Presentation software (e.g. power point), Additionally, the students use office automation tools, web browsers and e-reader for digital books.						
MODULE DESIGN <i>Description of teaching techniques, practices and methods: Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, Internship, Art</i>	<table> <tr> <th>Activity</th><th>Workload</th></tr> <tr> <td>3 OSS (x 4 hours)</td><td>12</td></tr> <tr> <td>3 written assignments (3X</td><td>105</td></tr> </table>	Activity	Workload	3 OSS (x 4 hours)	12	3 written assignments (3X	105
Activity	Workload						
3 OSS (x 4 hours)	12						
3 written assignments (3X	105						

<i>Workshop, Interactive teaching, Educational visits, projects, Essay writing, Artistic creativity, etc</i> <i>The study hours for each learning activity as well as the hours of selfdirected study are given following the principles of the ECTS.</i>	35)	
	Activities and Self-Assessment tests	60
	Examination	3
	Individual study (6 hours x 13 weeks)	80
	Total module workload (hours)	260
STUDENT PERFORMANCE EVALUATION/ASSESSMENT METHODS <i>Detailed description of the evaluation procedures.</i> <i>Language of evaluation, assessment methods, formative or summative (conclusive), multiple choice tests, short- answer questions, open-ended questions, problem solving, written work, essay/report, oral exam, presentation, laboratory work, other.....etc.</i> <i>Specifically defined evaluation criteria are stated, as well as if and where they are accessible by the students</i>	Completion of written assignments during the academic semester which constitute a 40 percent of each student's grade, if a pass is obtained in the final or repetitive examination. Final exam grades constitute a 60 percent of the students' final course grade. For further information go to the EAP Study Guide.	

5. SUGGESTED BIBLIOGRAPHY

• Θεοδωρακοπούλου Κατερίνα, <i>Ανθρωποϊστορία γραμμένη στην πέτρα. Εποχή του λίθου και γεωπεριβάλλον</i>, Εκδόσεις Καρδαμίτσα, Αθήνα, 2020 • Αναστάσιος Αντωνάρας, <i>Ρωμαϊκή και παλαιοχριστιανική υαλουργία</i>, Εκδ. Σιδέρης, 2009 • Πέγκυ Σωτηρακοπούλου, <i>Ο Θησαυρός της Κέρου, Μύθος η πραγματικότητα</i>. Εκδ. ΚΑΠΟΝ, 2005 • Louis Chaix, Patrice Méniel, <i>Αρχαιοζωολογία</i>, εκδόσεις Ψυχογιός, 2012 • C.S. Larsen, <i>Βιοαρχαιολογία, Επιστημονικές Εκδόσεις Παρισιάνου</i>, 2007 • Λυριτζής Γιάννης, <i>Αρχαιομετρία. Μέθοδοι χρονολόγησης στην αρχαιολογία</i>, Εκδόσεις Ψυχογιός 1994
