

COURSES:

Semester A (October - January)

A1 Landscape Archaeology and Cultural Heritage Management. Introduction to Landscape Archaeology, Natural and Cultural Landscape Formation Processes, Procedures and Methods, Interpreting Cultural Landscape, Excavating Space and Place, Anthropology and Management of Cultural Goods, Senses Revisited: Touch, Tactility, Haptics, Physical Catastrophe and the Archaeology of the Present, Sustainable Heritage Management, Interpreting Heritage

A2 Archaeometry I: Approaches for Archaeology and Cultural Heritage. Studies on Archaeological and Geo-Archaeological Materials (Pottery, Glasses, Stones, Mortars, Metals, Organics): Production, Technology, Use and Provenance. Absolute Dating in Archaeology and Cultural Heritage, Statistical Evaluation of Analytical Data/Chemometrics.

A3 Archaeometry II: Non-Destructive and Innovative Methodologies for Cultural Heritage. X-Ray Fluorescence Analysis, Portable and Handheld XRF Analyzers, Micro-XRF Analysis of Ancient Metal Alloys, In-situ XRF Analysis of Ancient Pigments and Wall Paintings, Synchrotron Radiation Techniques, Analytical Applications and Advanced Topics to Ion Beam Technology, Spectroscopic and Laser Analytical Techniques in Cultural Heritage Materials Analysis, UV-Vis-IR, Imaging and Spectroscopy Techniques.

Semester B (February – May)

B1 Environmental and Remote Studies for Cultural Heritage. Geoarchaeology and Geochronology, Isotopic Studies, basics of environmental Chemistry and Physics, societal and cultural dimension of climate variability, impacts of air pollution on cultural heritage, introduction to environmental measurements and techniques, climate change, vulnerability of cultural heritage to climate change impacts, climate and weather.

B2 Information Communication Technologies for Cultural Heritage. Overview, Cyber Archaeology/Archaeometry, Enhancement of Visitor Experience, Visitor Requirements, Digital Presence, Multimedia Applications, Digitalization and Management, E-Research, Synergies, Cultural Heritage in the City, Building on Existing Technologies.

B3 Field Prospection and Computing Technologies for Cultural Heritage. Field Prospection Techniques, Procedures and Applications, GIS, UAV for Cultural Heritage, Monitoring Cultural Heritage from Space, Data, Information Visualization for the Environment, Reconstructing Archaeological Objects and Sites, Structural Modelling of Archaeological Materials.

Dissertation (June – September)

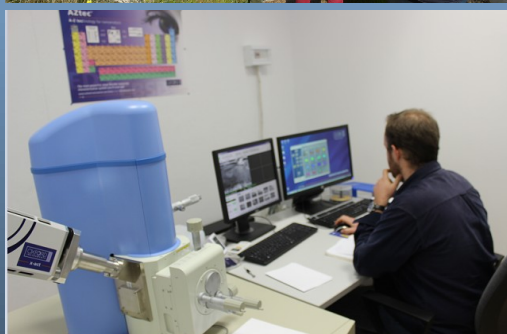
Each course is credited with 10 ECTS and the dissertation with 30 ECTS. Total Credits: 90 ECTS.

REQUIREMENTS:

The MSc programme is mainly addressed to graduates of schools of heritage conservation, archaeology, cultural heritage, material science and engineering. Graduates of similar or relevant fields are also welcome to apply.

MINIMUM REQUIREMENTS FOR CANDIDATES

- Overall degree of Upper Second Class or above.
- Academic IELTS of overall band score 6 or above.



FEES:

The total cost of fees for all students will amount to 4000 €, which will be paid in two installments. The first instalment must be paid upon acceptance to the programme and the second instalment at the beginning of Semester B.

Scholarships covering half the amount of the total fees will be awarded to the top-scoring students, based on their overall academic record of Semester A.

Director of Graduate Studies

Nikos Zacharias : Associate Professor (University of the Peloponnese)

Coordinators

Maria Xanthopoulou (Course A1): Assistant Professor (University of the Peloponnese)

Vasilis Kilikoglou (Course A2): Research Director (NCSR Demokritos)

Andreas Karydas (Course A3): Senior Researcher (NCSR Demokritos)

Evangelos Gerasopoulos (Course B1): Research Director (National Observatory of Athens)

Dr. Angeliki Antoniou (Course B2): Academic Laboratory Teaching Staff (University of the Peloponnese)

Nikos Platis (Course B3): Lecturer (University of the Peloponnese)

Lecturers

Demetrios Anglos: Associate Professor (University of Crete)

Emilia Banou: Assistant Professor (University of the Peloponnese)

Stamatis Boyatzis: Assistant Professor (TEI of Athens)

Hariklia Brecolaki: Assistant Researcher (National Hellenic Research Foundation)

Yorgos Facorellis: Assistant Professor (TEI of Athens)

Dimitra Founda: Senior Researcher (National Observatory of Athens)

Christos Giannakopoulos: Research Director (National Observatory of Athens)

Sotirios Harissopoulos: Senior Researcher (NCSR Demokritos)

Anno Hein: Senior Researcher (NCSR Demokritos)

Dr. Aphrodite Kamara: (Time Heritage LTD.)

Dr. Vasiliki Kantarelou: (NCSR Demokritos)

Dr. George Karagiannis: (Ormylia Art Diagnosis Center)

Dr. Ioannis Karatasios: (NCSR Demokritos)

Iphigenia Keramitsoglou: Senior Researcher (National Observatory of Athens)

Maria Kouri: Lecturer (University of the Peloponnese)

Tasos Lagoyiannis: Senior Researcher (NCSR Demokritos)

Eleni Liakakou: Assistant Researcher (National Observatory of Athens)

Ioannis Liritzis: Professor (University of the Aegean)

Ioannis Maniatis: Research Director (NCSR Demokritos)

Nikolaos Mihalopoulos: Professor (National Observatory of Athens)

C.Nadia Seremetakis: Associate Professor (University of the Peloponnese)

Dr. Charilaos Tselios: (Ministry of Culture)

Dr. Yorgos Tzedopoulos: (National and Kapodistrian University of Athens)

Gregory Tsokas: Professor (Aristotle University of Thessaloniki)

Eleni Zimi: Assistant Professor (University of the Peloponnese)

Associates

(University of the Peloponnese)

Evangelia Kyriazi: Doctorate Researcher

George Malaperdas: Doctorate Researcher

Eleni Palamara: Doctorate Researcher

Vasiliki Valantou: Laboratory Assistant

LIVING IN KALAMATA:

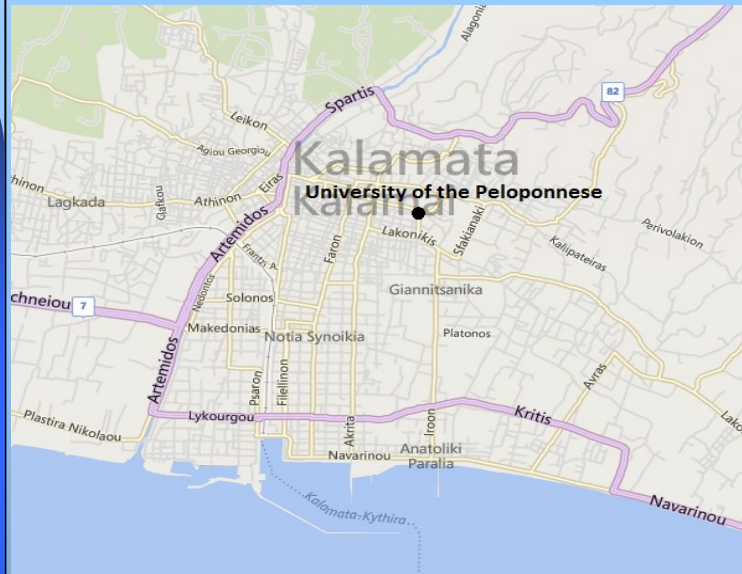
Kalamata, the second-largest city in the Peloponnese, is situated at the centre of the Messinian Bay and at the foot of the imposing Mount Taygetos. It is unique for its Mediterranean climate, beautiful landscape and close proximity to significant archaeological and tourist centres, such as Pylos.

Kalamata is a remarkably cultural, vibrant and gastronomic city. About 10% of the city's population (80,000) are students registered at the two higher educational institutions placed at the city: The University of Peloponnese and the Technical Educational Institute of Peloponnese. The city offers a vast variety of cultural and sport activities, as well as nightlife options. Kalamata is also known as the national capital of modern dance, hosting annually the International Dance Festival.

Getting around

Kalamata enjoys great pedestrian and cyclist infrastructure, making walking and cycling the best ways of getting around.

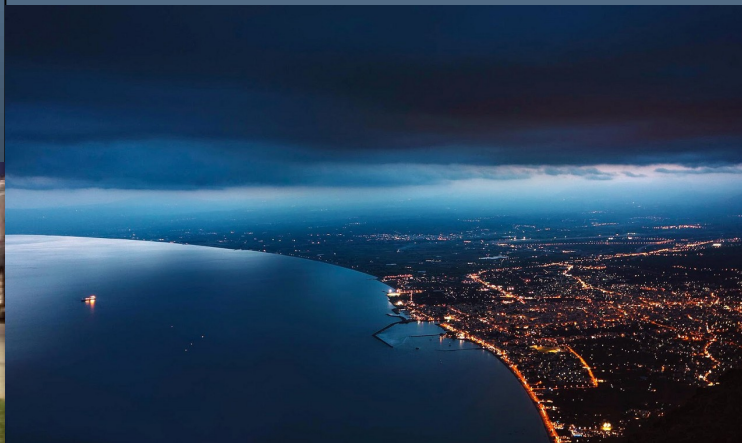
Local Buses run frequent services between the city centre and the sea front. The fare costs 1 euro. Tickets can be purchased at kiosks or inside the bus.



Master of Science in: Cultural Heritage Materials & Technologies

University of the Peloponnese
Kalamata, Greece

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Department of History, Archaeology
& Cultural Resources Management
University of the Peloponnese

Master of Science in: Cultural Heritage Materials & Technologies



CultTech

Studies on the interdisciplinary field of Cultural Heritage and Science/Technology offer the great potential of a modern and balanced educational syllabus; they also produce an ideal platform for holistic approaches that are guaranteed by the creative mixing of up-to-date methodologies with archaeological science, archaeometry and cultural heritage technologies.

CultTech operates within the Peloponnese, an advanced natural and cultural environment that hosts plethora of historical, archaeological sites and monuments. A key issue for **CultTech** is its orientation towards hands-on research thus offering post-graduate research training and the potential of the implementation of a diploma dissertation closely related or within ongoing research projects.

Students from the fields of archaeology, cultural heritage management, conservation, materials science and engineering are welcomed to apply.

The programme takes place in Kalamata, Greece.

Applications are welcomed while the courses start on October 1st, 2018.

<http://culttech.uop.gr>