

MSc

School of Applied Arts and Sustainable Design

# Protection of Cultural Heritage and Monuments of Nature from the Effects of Climate Change

Innovative approaches to Natural and Cultural  
Heritage Protection under Climate Change



HELLENIC  
OPEN  
UNIVERSITY

# Protection of Cultural Heritage and Monuments of Nature from the Effects of Climate Change

Innovative approaches to Natural and Cultural Heritage Protection under Climate Change

**Flexible Online Course**

**Study from anywhere in the world**

## Description

Climate change is a recognized threat to our natural and cultural heritage. The **online course MSc “Protection of Cultural Heritage and Monuments of Nature from the Effects of Climate Change”** is innovative and interdisciplinary. Its scope is the in-depth study of the issues related to the mitigation and the adaptation of the impact of climate change on natural and cultural heritage sites worldwide.

Sciences and humanities are joined in order to optimally address the effects of climate change on natural and cultural heritage sites. The course focuses on the fields of climatology and the environment, geology, archaeology, architecture, engineering, telemetry and satellite applications, conservation of monuments and works of art.

The knowledge and experience that will result from the combination of theoretical and technological training in this online graduate degree programme is highly multidisciplinary.

The originality of the subject contributes to the development of unique theoretical, practical and technological skills, and advances the application of this interdisciplinary knowledge in the fields of heritage preservation and the study of climate change. In this MSc course sciences, humanities, arts and technology meet to create a new emerging field, which is expected to develop very quickly.

## Learning Outcomes

Upon successful completion of the course, students will:

Be **familiar with the terminology and concepts** of multiple scientific fields allowing them to better interpret and combine such knowledge

Be able to **engage in research** in the broader fields of protection and monitoring of the effects of climate change on natural and cultural heritage sites.

Be able to **professionally engage** in the broader fields of protection and monitoring of the effects of climate change on natural and cultural heritage sites.

Have **comprehensive scientific knowledge in the areas of protection and monitoring** of the effects of climate change on natural and cultural heritage, so as to be able to contribute to mitigation and adaptation of the effects of climate change.

Be **able to assess the quantitative and qualitative problems** that may arise from the observed destabilization of the climate in the monuments of nature and cultural heritage.

**The program is jointly organised by the Hellenic Open University and the Academy of Athens**

## Course Content

The study program is structured in two (2) years. The first year includes three (3) annual Course Modules that offer basic knowledge on natural and cultural heritage, climatology, environmental hazards and materials science. The second year includes two (2) annual Course Modules and the elaboration of a Master's Thesis.

One Course Module of the second year is elective and leads to one of the following directions for adapting and mitigating the effects of climate change:

MAJOR A. Movable Cultural Heritage

MAJOR B. Monuments and Archaeological Sites

MAJOR C. Historic Sites and Natural Landscapes

The Course consists of: Four (4) Compulsory CMs, one (1) Elective CM and the Thesis

### First Year

Course Module (Annual)		Type	ECTS	Selection Order
CCC50	<b>Cultural and Natural Heritage</b>	Compulsory	20	Any order
CCC51	<b>Introduction to climate change</b>	Compulsory	20	
CCC52	<b>Material science</b>	Compulsory	20	

### Second Year

Course Module (Annual)		Type	ECTS	Selection Order
CCC60	<b>Telematics and metrics</b>	Compulsory	20	First
CCC61	<b>Resilience Strategies for Moveable Heritage</b>	Elective (MAJOR A)	20	Second
CCC62	<b>Resilience Strategies for Monuments and Archaeological Sites</b>	Elective (MAJOR B)	20	
CCC63	<b>Resilience Strategies for Natural and Historic Heritage Landscapes</b>	Elective (MAJOR C)	20	
Thesis	<b>Master's Thesis</b>	Compulsory	20	Third

**The programme language**  
**Length**  
**Start date**  
**ECTS**

English  
minimum 2 Years  
4.10.2021  
120

**UNESCO ISCED-2013**

O288 «Inter-disciplinary programmes and qualifications involving Arts and Humanities»

**Admission Requirements**

- 1.** BA Degree from a Higher Education Institution recognized by the Hellenic National Recognition and Information Center
- 2.** English language knowledge at B2 level (CEFR) plus native language (proficient)

**Fees information**

650€ per course module  
Total cost 3.900€

**Contact us**

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