

## General Competences

### COURSE MODULE OUTLINE CCCDE

#### (1) General information

SCHOOL	SCHOOL OF APPLIED ARTS AND SUSTAINABLE DESIGN		
PROGRAM COURSE	Protection of cultural heritage and monuments of nature from the effects of climate change		
LEVEL OF STUDY	POSTGRADUATE		
COURSE UNIT CODE	CCCDE	YEAR	2nd
COURSE TITLE	Master's Thesis		
INDEPENDENT TEACHING ACTIVITIES		HOURS	CREDITS
		560	20
COURSE TYPE	Compulsory		
PREREQUISITE COURSES:	CCC50, CCC51, CCC52		
LANGUAGE	ENGLISH		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	<a href="https://www.eap.gr/education/postgraduate/annual/protection-of-cultural-heritage-and-monuments-of-nature-from-the-effects-of-climate-change/topics/#cccde">https://www.eap.gr/education/postgraduate/annual/protection-of-cultural-heritage-and-monuments-of-nature-from-the-effects-of-climate-change/topics/#cccde</a>		

#### (2) LEARNING OUTCOMES

##### Learning Outcomes

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:

Upon completion of their Postgraduate Diploma Thesis, students will be able to:

- Carry out original research on a wide variety of thematic areas related to heritage preservation from the impacts of climate change, depending on the direction they have chosen
- Research, compile, verify, and critically assess information, and effectively organize and present it
- Adhere to the principles and rules and standards of the protection of natural and cultural heritage
- Effectively and creatively utilize internet/digital tools/media to draft/edit/distribute their texts
- Critically and responsibly utilize both primary and secondary sources

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

- Ability to focus on specific objects
- Ability to synthesize, prioritize and evaluate research data
- Ability to use technology tools
- Ability to respond immediately to urgent and emergency situations and to take decisions
- Ability to communicate with different contexts (social, cultural, religious, racial, gender).
- Ability to work in a team
- Ability to think critically and comparatively

### **(3) COURSE CONTENT**

The Master's Thesis is meant to combine and utilize the knowledge students have acquired over the course of their studies.

Students may propose a topic of their choosing for their Master's Thesis, taking into account a special list of topics (with detailed descriptions) drafted by the C.M. Coordinators. This list is drafted based on the wider subject matter of the postgraduate studies program, as well as those of the five individual C.M. Students must prepare the final topic and description of the Master's Thesis in collaboration with the counselor.

Indicative topics for research:

- Introduction to heritage and heritage protection
- International policies, principles and legislation
- Historical review and theoretical approaches to heritage protection
- Research tools and technological innovation in heritage protection, management and interpretation
- Examples of heritage analysis and environmental issues
- Introduction to climatology
- Major climate and pollution parameter changes
- Extreme events linked to climatic change
- Geological impacts of climate change
- Synergistic phenomena
- Introduction to material science
- Archaeometry
- Material ageing
- Diagnostic technologies for material failure

- Ground-based metrics and telematics
- Satellite-based metrics and telematics
- GIS mapping
- Passive and active remote sensing technologies
- Effects of climate change impacts on collections and storage facilities
- Technologies and techniques to identify problems and failures on moveable heritage
- Monitoring collections and storage facilities
- Adaptation and mitigation strategies for moveable heritage

#### 4) TEACHING METHODS--ASSESSMENT

MODES OF DELIVERY	<ul style="list-style-type: none"> <li>• Regular distance counseling meetings on the research and righting of the thesis, as well as the provision of bibliography.</li> </ul>
USE OF INFORMATION AND COMMUNICATION TECHNOLOGY	<ul style="list-style-type: none"> <li>• Remote meetings tools (webex)</li> <li>• Presentation software (e.g., power point)</li> <li>• Specialized software in the subjects under study for image editing, lighting simulation, rendering and drafting. Additionally, the students use office automation tools, web browsers and e-reader for digital books.</li> </ul>
COURSE DESIGN	<ul style="list-style-type: none"> <li>• Students must first complete the four C.Ms of the 1<sup>st</sup> and 2<sup>nd</sup> year in order to begin preparation of their postgraduate diploma thesis.</li> <li>• The general categories for Master's Thesis subjects are defined by the S.P. Director after consultation with the C.M. Coordinators, and are posted on the H.O.U. website, before the beginning of the period during which students submit their subject proposal. The S.P. Director is required to post instructions regarding issues of scientific methodology in Master's Thesis preparation on the C.M. website.</li> <li>• Students submit proposals for thesis subjects of their interest (title, objective, and expected results) electronically, through a special educational portal.</li> <li>• The Master's Thesis preparation period is one year starting at 1<sup>st</sup> of October.</li> <li>• Students must submit it to the Examination Committee by 20 June. Upon completion of the necessary corrections/improvements</li> </ul>

	<p>according to the observations and comments expressed by the Board, students must submit the final thesis by 30 June. If approved, the Master's Thesis is presented and defended in September.</p> <ul style="list-style-type: none"> <li>• Examination Committees are made up of the 1st and 2nd Supervisors.</li> <li>• Students must, after successfully presenting/defending their Master's thesis and incorporating any corrections or additions, even appendices that were indicated to them by the Examination Committee, upload it to the H.O.U. repository (apothesis.eap.gr).</li> </ul>
<p>STUDENT PERFORMANCE EVALUATION/ASSESSMENT METHODS students.</p>	<ul style="list-style-type: none"> <li>• In order to ensure uniform evaluation of Master's Theses, the final grade of the Examination Committee is based on the evaluation of both the written thesis and the oral presentation. The following grading guide is provided as an example:</li> <li>• <a href="https://www.eap.gr/annual-programs/">https://www.eap.gr/annual-programs/</a></li> </ul>

#### 5) SUGGESTED BIBLIOGRAPHY:

HOU guides on researching and writing a postgraduate thesis  
<https://eeyem.eap.gr/services/guides/>