

## EDICULA NTUA MSc “Protection of Monuments” Reformation

It concerns the Optional Course 3.4 that is shown in the tables below. Following are the lectures that the NTUA MSc Students attended during the spring semester of 2022-2023 at NTUA in English.

NTUA Original Course	EDICULA Reformation
<b>3.4 Special Issues of Environmental Management for the Protection of Monuments and Sites</b>	<b>Strategic planning of sustainable development by exploiting and revealing cultural assets augmenting their resilience in historic cities and areas</b>
<b>7 ECTS</b>	<b>7 ECTS</b>
Special themes of environmental management for the protection of monuments and complexes – European strategies for development and environmental management. City of tomorrow and cultural heritage. Environmental management for the protection of monuments, historical cities, and traditional settlements. Specifications of study and planning. Revealing and rehabilitation of industrial heritage.	Climate change and resilience of cultural heritage, as well as Environmental management for the protection of CH are presented in principle and in theory and the strategic planning of sustainable development by exploiting and revealing cultural assets augmenting their resilience in historic cities and areas is presented concerning historic cities like the historic city of Rhodes, and areas like Aitolokarnania, Mani, Evoia, Symi, Chalki, Kasos.

### 3.4

#### 3.4.1 Climate risk and resilience

1. Prof. P. Koundouri, The transition from multi-crisis towards Sustainability
2. Dr. K. Themistocleous, Monitoring Cultural Heritage Sites Using Earth Observation to Manage Potential Risks from Natural Hazards: The Case Study of Choirokoitia, Cyprus
3. Dr. M. Ioannides, TRIQUETRA project: Toolbox for assessing and mitigating Climate Change risks and natural hazards threatening cultural heritage
4. Dr. B. Charalampopoulou, TRIQUETRA project: Toolbox for assessing and mitigating Climate Change risks and natural hazards threatening cultural heritage
5. Dr. A. Chasapi, The Art and Monument Microbiome

#### 3.4.2 Historic Cities

1. Prof. Emer. E. Maistrou, New Reuse and Preservation Strategies applying Circular Economy

2. Prof. S. Avgerinou –Kolonias, Planning towards creativity and circular economy for urban revitalization and sustainable development of historic cities
3. Prof. Emer. A. Moropoulou - Sustainable preservation of historic cities through reuse with circular economy as a vehicle
4. D. Giannakopoulos, Z. Karekou, E. Menegaki, Dr. E. Tsilimantou, C. Ioannidis, Prof. Emer. E. Maistrrou, A. Giannikouris, Prof. Emer. A. Moropoulou, Reuse of historic buildings in the Medieval City of Rhodes to comply with the needs for sustainable urban development
5. Dr. S. I. Drakos, Deputy Mayor of Rhodes, Circular economy applications for adaptive reuse of cultural heritage buildings in Historical areas of Rhodes Municipality,
6. M. Karavasili, Architect dplg, MSc Regional-Urban Planner, ex Special Secretary of Environment & Energy Inspectorate, ECOCITY Member of the Board

#### **3.4.3 Strategic planning of sustainable development by exploiting and revealing cultural assets of augmenting their resilience**

1. C. Boniotti, Politecnico di Milano, Department of Architecture, Built Environment and Construction Engineering
2. B. Charalampopoulou, CEO Geosystems Hellas A.E.
3. Prof. Emer. A. Moropoulou, “Sustainable Development of Less Developed Regions and Isolated Areas by Creating New Touristic Resources and Products through Analysis, Documentation and Modelling of Cultural Assets using Innovative ICT Applications “ (AEI)
4. N. Kampanis, FORTH, G. Alexandrakis, G. V. Kozyrakis, K. Spanoudaki, Protection of coastal monuments against climatic change induced sea level rise and storm waves reckoning designing limitations
5. G. Alexandrakis, G. V. Kozyrakis, N. Paxakis, A. Parasyris, A. Vythoulka, N. A. Kampanis, Prof. Emer. A. Moropoulou, Analysis between cultural heritage, human settlements and landscapes using earth observation and archaeological data

6. Prof. Emer. A. Moropoulou, Assis. Prof. K. Lampropoulos and Anastasia Vythoulka, The riverside roads of culture as a tool for the development of Aitolokarnania
7. E. Oikonomopoulou, E. T. Delegou, A. Vythoulka, John Sayas<sup>†</sup>, Prof. Emer. A. Moropoulou Preservation of Cultural Landscape as a tool for the Sustainable Development of Rural Areas: the case of Mani Peninsula in Greece
8. E. Fafouti, A. Vythoulka, E. T. Delegou, Designing cultural routes as a tool of responsible tourism and sustainable local development in isolated and less developed islands: the case study of the Symi island in Greece
9. E. Fragkakis, Mayor of Chalki, Sustainable Development of Chalki by Creating New Touristic Resources and Products
10. Prof. Emer. A. Moropoulou, A. Konstanti, A. Vythoulka, Sustainable islands' development through the protection and revealing of cultural and environmental reserve,
11. Prof. Emer. A. Moropoulou, A. Vythoulka, N. Batis, Assis. Prof. K. Lampropoulos, A. Giannikouris, N. Kampanis, G. Alexandrakis, Chalki: A model of sustainable development, local participation and international cooperation
12. A. Vythoulka, F. Kalliakmanis, E.T. Delegou, A. Giannikouris, N. Kampanis, G. Alexandrakis, Prof. Emer. A. Moropoulou, Agritourism as a strategy of remote island's development: the case study of Kasos,
13. E. Fafouti, A. Vythoulka, E. T. Delegou, A. Xanthis, A. Giannikouris, N. Kampanis, G. Alexandrakis and Prof. Emer. A. Moropoulou, Enhancing Heritage Management for Sustainable Development in Insular Areas through Digital Documentation: The Case Study of the Historic Center of the Megisti Island (Kastellorizo).
14. A. Vythoulka, E.T. Delegou and Prof. Emer. A. Moropoulou, Computer aided design for the preservation of cultural heritage: the case of Mavrogiorgiannika in Kythera, Greece