

## EDICULA NTUA MSc “Protection of Monuments” Reformation

It concerns the Optional Course 3.3 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>3.3 Pilot applications of preservation of monuments</b>	<b>Interdisciplinary documentation, diagnostics and guidelines for the compatible and performing preservation of historic monuments – emblematic cases</b>
<b>7 ECTS</b>	<b>7 ECTS</b>
Compatibility issues of materials and conservation interventions on characteristic monuments and complexes. Pilot conservation interventions (Acropolis of Athens, Medieval City of Rhodes, Venice, etc). Historical mortars and plasters. Criteria for designing restoration mortars and assessment of their performance	Preserving compatibility, the materiality and integrity of structures and architectural authenticity, issues are examined in principle and in theory and are applied through documentation diagnostics and preservation guidelines on Emblematic monuments like, Acropolis, Pythian Apollo, Kaisariani Monastery, Varnakova Monastery.

### 3.3

#### 3.3.1 Preserving compatibility, the materiality and integrity of structures and architectural authenticity

1. Prof. Emer. A. Moropoulou, From diagnosing incompatible materials to compatible materials synthesis and preservation interventions in Mediterranean monuments
2. S. Della Torre, Preserving compatibility, the materiality and integrity of structures and architectural authenticity
3. Assoc. Prof. E. Konstantinidou, Preserving compatibility, the materiality and integrity of structures and architectural authenticity

#### 3.3.2 Emblematic Projects

##### 3.3.2.1 The Monuments of Acropolis in the Ancient Athens

1. Dr. E. Aggelakopoulou, A. Tsimereki, E. Ksinopoulou, V. Eleftheriou, Conservation interventions at the Acropolis wall
2. Photos - Scientific Visit to Acropolis, 23 3 23, under the guidance of Dr. Aggelakopoulou, YSMA

### **3.3.2.2 Mobile Laboratory in Ancient Athens**

P. Pouli, A. Giakoumaki, E. Ampatzioglou, T. Antonopoulou, S. Dellis and C. Bekiari, CALLOS project Conservation of Athens antiquities with Laser and Lidar technologies Open to Science and public

### **3.3.2.3 Temple of Pythian Apollo in Rhodes**

#### **A. 3D Digital Documentation**

Researcher S. Soile, Dr. E. Tsilimantou, V. Keramidas, Dr. M. Karoglou, F. Bourexis, E. Adamopoulos, E. Delegoui, Assis. Prof. K. Lampropoulos , C. Ioannidis , Prof. Emer. A. Moropoulou, M. Michailidou, M. Pikoula  
Multidisciplinary Documentation Combination of NDTs with geometric documentation for the diagnostic study of Ancient Temples - The case of the Temple of Pythian Apollo in Rhodes

#### **B. Materials and diagnostics**

Dr. M. Apostolopoulou, V. Keramidas, N. Galanaki, M. Kalofonou, Ch. Skoula, Dr. M. Karoglou, E.T. Delegou, Ch. Mouzakis , Assoc. A. Bakolas, Prof. Emer. A. Moropoulou, M. Pikoula, M. Michailidou, A study regarding the historical materials of the Pythian Apollo Temple in Rhodes for the design and selection of appropriate restoration materials.

#### **C. Structural response under earthquake risk**

N. Psycharis , E. Avgenakis , I. M. Taflampas, M. Kroustallaki, M. Pikoula, M. Michailidou, Examination of the structural response of the Temple of Pythian Apollo in Rhodes Island under probable seismic excitations and recommendations for its restoration

### **3.3.2.4 Kaisariani Monastery**

G. Mourgis, Dr. E. Tsilimantou, E.T. Delegou, C. Ioannidis, Prof. Emer. A. Moropoulou, Documentation of the Building Materials and Decay Patterns of the Kaisariani Monastery

### **3.3.2.5 Varnakova Monastery**

#### **0. Archaeological**

A. Psalti, M. Tsakoumaki and M. Vassileiou, The Archaeological Aspect of the Rehabilitation of the Varnakova Monastery: Preliminary Results of the Archaeological Project

### **1. 3D Documentation**

T. Kouimtzooglou, Varnakova Katholikon, Architectural survey and documentation

### **2. Diagnostics & materials**

Dr. M. Apostolopoulou, E.T. Delegou, V. Keramidas, C. Michalaros, Dr. E. Tsilimantou, T. Kouimtzooglou, C. Papatrechas, Assis. Prof. K. Lampropoulos and Prof. Emer. A. Moropoulou, The historical materials of the Varnakova Monastery Katholikon and proposals for their conservation

I. Ntoutsis, E. T. Delegou, M. Thoma, Dr. M. Apostolopoulou, C. Papatrechas, G. Economou and Prof. Emer. A. Moropoulou, The effect of fire on building materials: the case-study of the Varnakova monastery cells in Central Greece

PhD Cand. V. Keramidas, Dr., Assis. Prof. K. Lampropoulos, MSc G. Bletsas-Yfantis, Dr. E. Tsilimantou, Assoc. Prof. C. Mouzakis Emer. Prof. Antonia Moropoulou, Non-destructive evaluation of the pathology of the Katholikon of the Monastery of Panagia Varnakova with ground penetrating radar

E.T. Delegou, F. Kolisis, D.G. Karpouzas, A. Chatziioannou, P. Theodoropoulou, T. Bris, D. Mamma, S. Genitsaris, P.A. Karas, S. Vasileiadis, K. Rousidou, E. Pilalis, G. Karyotakis, M. Mertzani, Prof. Emer. A. Moropoulou, Metagenomics approaches for the integration of the diagnostic study and the conservation of porous stone elements. The Katholikon of Varnakova Monastery

### **3. Architecture**

J. Vobiri Architect Protection of Monuments MSc NTUA, G. Andriotakis Architect D.P.L.G, The case of the Varnakova Monastery in Fokis, The rehabilitation of the Katholikon, The Architectural Approach

### **4. Structural**

Assoc. Prof C. Mouzakis NTUA, Rehabilitation design of the Katholikon of Varnakova Holy Convent in Phocis

## **5. Interdisciplinary approach**

A. Psalti, M. Tsakoumaki, G. Andriotakis, J. Vobiri, Assoc. Prof C. Mouzakis, N. Moropoulos, V. Keramidas, Dr. M. Apostolopoulou, E.T. Delegou, Prof. Emer. A. Moropoulou, Interdisciplinary study for Varnakova Monastery Catholicon rehabilitation

Prof. Emer. A. Moropoulou, C. Mouzakis, G. Andriotakis, J. Vobiri, V. Zafeiris, Dr. M. Apostolopoulou, N. Moropoulos, V. Keramidas, E.T. Delegou, Assis. Prof. K. Lampropoulos, S. Roumeliotis, M. Tsakoumaki and A. Psalti, Interdisciplinary approach: Evolution of rehabilitation works, supervision, monitoring and control at the Varnakova Monastery Catholicon

S. Roumeliotis, V. Keramidas, Assis. Prof. K. Lampropoulos, E.T. Delegou, Assoc. A. Bakolas and Prof. Emer. A. Moropoulou, Enhanced documentation and evaluation of grouting process, through the fusion of nondestructive testing and evaluation information The case study of the Katholikon of the Monastery of Panagia Varnakova

Photos of the Scientific visit of the construction site of the Varnakova rehabilitation Works of the Master Course Protection of Monuments, Direction Conservation of Building Materials, April 2023, with Prof. Emer. Moropoulou, Prof. Mouzakis Delegkou, Ass. Prof. Lampropoulos, L.T.S.M. ET. Delegou