

## Course 3a: NEW APPROACHES TO CULTURAL HERITAGE MANAGEMENT

Course Director: Daniele Malfitana

**Masters' Degree required: Physics, Geology, Chemistry, Cultural Heritage Preservation Sciences, Architecture (with specialization in Restoration, History of Urban planning), Archeology, Ancient Sciences Literary-Philological and historical- artistic, Historic Sciences**

Directed by experienced heritage professionals and leading researchers of the Institute for Archeological and Monumental Heritage (IBAM), the **training course "New approaches to Cultural Heritage Management"** provides appropriate and crucial training on theoretical issues and the operational methods applied to technologies in order to support the management process of cultural heritage.

**Objectives:** At the conclusion of the course, participants will have a better understanding of critical processes in cultural heritage in order to apply them at the macro/micro levels; expand their awareness, knowledge, skills and understanding of current principles and practices in cultural heritage management.

**Methodology:** Training is based on a multiple activity model including lectures, case studies, practical hands-on exercises, site visits, group work, and classroom discussions. Looking at the new funding possibilities offered by the new Horizon 2020 programme and combining academic studies with practical applications, this flexible course covering a period of time of six months provides an informed and up-to-date overview of heritage management theory (100 hours) and practice (approximately 620 hours), exploring the multi-disciplinary nature of heritage studies.

**Place:** IBAM represents the ideal environment for heritage studies. Heritage is writ large in the landscape around the four regions where IBAM Offices are placed: Catania, Lecce, Roma, Potenza.

**Structure :** The didactic section aims to provide basic knowledge on topics related archeology and management of cultural heritage techniques. It is made of the following modules:

### 1) Archeological Heritage

- Archaeology and Art History of the Mediterranean countries, with particular attention to the identification of cultural heritage on which to develop common policies.
- History of the Mediterranean: cultural and political processes that have characterized the history of the ancient Mediterranean
- Archaeology of the Roman and Greek period.
- Methodology of archaeological research: description of the main methods and tools of current archaeological research.
- Theory, techniques and tools for cataloging, promotion and use of indoor and outdoor cultural heritage systems.
- Theory and tools to better understand ethno-anthropological heritage in order to strengthen the construction of systems enhancement and enjoyment of territorial identity.

### 2) Legal Aspects applied to cultural heritage

- Cultural Heritage Legislation to learn and develop the most advanced experiences in the field of European regulatory framework.

### 3) Management module

- Understanding of the key principle of archaeological project management.

- Knowledge of the curatorial frameworks and policies that govern archaeological project work in Horizon 2020.

#### **4) ICT tools applied to Cultural Heritage**

- General outline of the main tools for the management of cultural heritage .
- Geographic information systems and data management : leading and innovative information systems and spatial data management.
- Elements of digitization and image processing : knowledge of principal and innovative systems for scanning and image processing .
- The practical section includes the laboratory activities aimed at the transmission of technical expertise of the major tools and technology applications useful for cataloging, managing and administrating cultural heritage. The laboratories will focus on 1) foundational practical experience with VR modeling, 2)with the using of GIS and its application in archaeology, 3)a practical training in the use of topographical survey equipment: ranging from conventional techniques, though total station and GPS survey. Site visits and group work will be planned over the section.

For more info please visit: <http://www.ibam.cnr.it>