



UNIVERSITÀ TELEMATICA
INTERNAZIONALE UNINETTUNO



Master in APPLIED ARCHAEOLOGICAL SCIENCES

EXPRESSION OF INTEREST

**Blended Online & in Situ, Second Level Master's degree
(Duration: 18 months, Credit Units: 90 ECTS)**

A World unique unprecedented Master course that supports, integrates and enrolls the students in the contemporary labour market and the requirements of the digital and mobile technology; an ideal combination of anthropology, archaeology, art through proper management, preservation and ethical approach to the material cultural heritage.

An original combination of modern concept and needs for identification, documentation, maintenance, rescue and diffusion of at risk world heritage. Contemporary approaches which act as catalysts in the preservation and documentation of cultural heritage, that is also relevant to past social and anthropological interpretations through the interdisciplinary approach.

The course includes concrete hands-on field & laboratory interactions, theoretical evaluation & modern digital and other technological tools. Saves students from the World to move away from home, benefits them from the current financial depression, enhances safety issues without reduction in the quality and experiences needed.



A Unique Masters Course

Academic Director - Coordinator: Prof. Ioannis Liritzis, International Telematic University Uninettuno, Rome, Italy (www.liritzis.eu) * Professor of Archaeometry-Natural Sciences, University of the Aegean, Rhodes, Greece.

Learning procedure: Blended course of distance learning / online learning & Lab & Field work. (Online synchronous and asynchronous learning via the University's platform) & **15 days** in class/lab/fieldwork and measurements for MSc thesis **at Delphi**, Greece.

Duration: 18 months (3 semesters starting within 2019).

Summer Course at Delphi; 15 Days (planned beginning of July or September).

Online Courses: 10 courses (9 scientific modules of 10 presentations each + 1 Course of scientific work and writing methodology) in 2 semesters (60 ECTS). Each Course comprises of 10 online advanced video presentation Instructions. And a 3rd semester drafting the Master Thesis (30 ECTS).

In Situ (Delphi) Courses: 12 Days field work & Lab at Delphi Greece, equivalent to **130 hours (108 hrs in situ + 22 hrs essay)**.

Fieldwork includes Archaeological Excavation experience in sites directed by or affiliated with the University of the Aegean, Greece.

Total Credit hours: 2250 (not including exams, including in situ contact, electronic contact / exchange questions-answers, essays, guided educational visits, master thesis).

Tutors: from Greece, USA, Italy, European Universities.

Credit Units: 90 ECTS

[1 ECTS = 25 activity hours)

10 Courses = 60 ECTS + 30 ECTS **Research Dissertation Thesis = 90 ECTS**

Study Requirements: a) 1 essay per Unit Course / Module, b) Quizzes per instruction (10 instructions per course for 10 courses in all)

Master Thesis Evaluation Requirements: a) *by Research Thesis*, & b) *by online comprehensive examination (Viva) at the end of the Program.*

a) Research Project

The Thesis Dissertation Project must be experimental work or evaluation and processing of data.

The former requires taking lab measurements. This can be done either a) with an additional 5 days in Delphi or local laboratory learning and gathering data for processing and thesis writing at home (under the advice of an assigned expert tutor), or b) at a student home area laboratory with prior arrangement with an expert tutor.

The latter can be done with guidance of an expert tutor of data acquired online and processed following specific software.

Students should consult with their advisers before selecting a plan for completion of degree requirements. Arrangements about thesis dissertation project are made during the 1st Semester and finalized in the mid of the 2nd Semester at most.

b) Online comprehensive examination

Using interactive exercises and multiple-choice questions and short essays per presentation.

GOALS, TARGETS, ORIGINALITY

Master in “APPLIED ARCHAEOLOGICAL SCIENCES”



The Master aims at deepening and interdisciplinary training on issues of Graduate level on four pillars: a) *Archaeometry and Archaeological Sciences* (dating, characterization, provenance, geophysical prospection, bioarchaeology, geoarchaeology, marine, coastal and terrestrial environment), b) *2D & 3D digitization, GIS, Cyber archaeology*, photogrammetry, drones image processing, and cultural heritage documentation (artefacts and monuments), learning of software tools, c) *Conservation (preventive, rescue) of archaeological finds* (organic and inorganic, theory and laboratory) in situ at Archaeological Excavation premises, and d) *Management of Cultural Heritage* (legal framework, historical architecture, cultural tourism, sustainable development through technology applied to cultural heritage). The archaeology module focuses in the S.E. Mediterranean region and circum-Caucasian / Middle East region. World archaeology topics as well, from prehistory to Roman period.

The Master’s thesis is carried out in academic premises (universities, research institutes) and is purely instrumental or use of software at the 4 graduate directions.

1. The Goals of this Master is the postgraduate education in the advanced digital cultural Heritage and in the archaeological sciences and offers basic hands-on experience & training in conducting research and in applications to cultural heritage through science and technology. The interdisciplinary program is addressed to:

i. teachers and education & research professionals,

ii. executives in organizations and enterprises in the public and private sector involved in archeology, cultural heritage, sustainable development

iii. scientists / researchers of exact and / or human sciences who use and implement virtual archeology programs, museology, cultural tourism, conservation, digitalization of cultural goods, development of cultural projects with archaeological content for sustainability, as well as, to those that follow with a PhD in a relevant discipline.

2. Targets are:

i. On a theoretical level, the production and transmission of scientific knowledge in the areas of applied modern technology in archeology lifelong learning, the education of new graduates and adults and e-learning, the scientific research methodology in Archaeological Sciences, digital archeology, cyber-archaeology, basic principles in the Conservation of (organic and inorganic) antiquities, the Cultural Management principles in education and training.

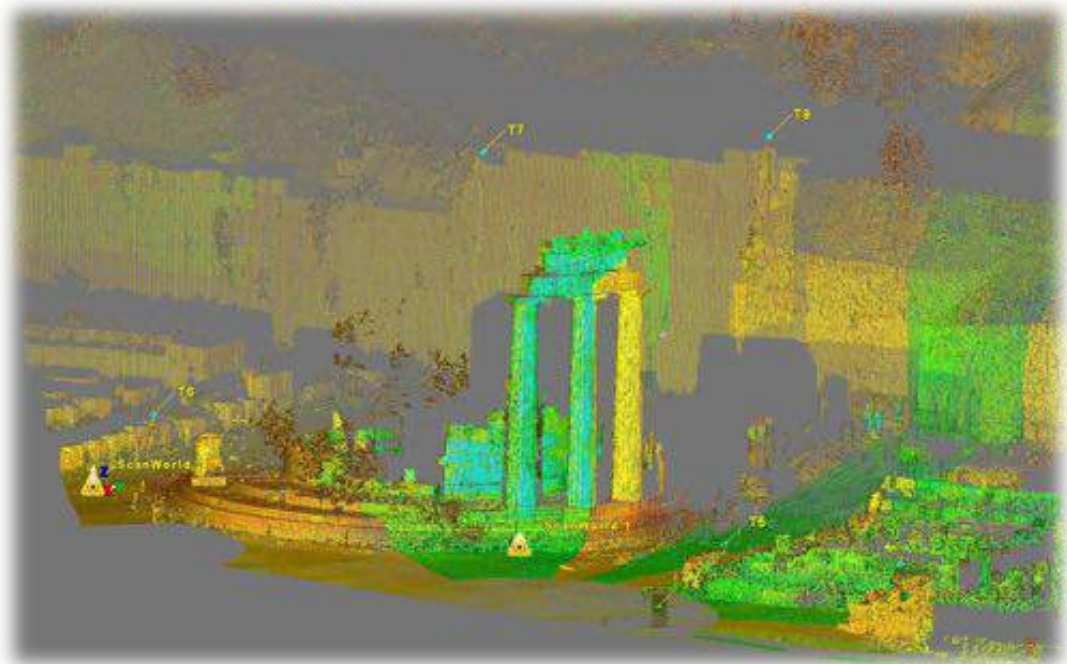
ii. **At the level of professional practice**, the acquisition of knowledge, skills and competences necessary for the development and implementation of standard archaeological programs and digital heritage in education & cultural tourism market. It refers to World examples with case studies from the region of the Eastern Mediterranean & Near-Middle East, includes applications in the society of information technology, educational programs and systems for lifelong learning (education, training, professional development, etc.), by applying the most modern methods and practices in the field of new technologies, management, conservation of archaeological finds, focused in archaeological research, documentation, dissemination, curation, processing of big data; highlighting local, regional and national sustainable development projects and educational processes in the exploitation of cultural assets of ancient civilizations and cultural heritage by using modern approaches in the excavations; the theoretical interpretation and interdisciplinary study of monuments & artifacts through natural science and modern digital technology.

Minimum Selection Criteria: Students holding a Bachelor degree from recognized body of national NARIC, from natural sciences, humanities, arts and cultural areas, and english language skills requirement at least at the European B level of linguistic competency.

Advantages over other World recognized Master Degrees: a) study mainly from home, save money and time and energy of moving, b) hands on instrumentation and experience in applying the portable techniques on the World famous UNESCO protected archaeological site of Delphi (Museum and sanctuary), c) grasp the opportune time and delve in other cultural sites and beautiful landscapes as leisure & tourism, wonder in sea & sun, mythological mountain & riversides, valleys & plains of sacred land of Greece.

Fees: Tuition fees **7500 Euros** (does not include the 15 days fieldwork accommodation and travel to Delphi and the transfer to examination poles around the world or to the University's headquarters in Rome for thesis presentation and viva).





APPENDIX

CREDIT UNITS AT A GLANCE:

<i>USA unit the same at the undergraduate and graduate levels</i>	<i>Hours to complete 1 unit</i>	<i>ECTS credit if total hours per ECTS credit is 25 hours</i>
1 unit	50 hours	2 credits =50hrs
2 units	100 hours	4 credits
3 units	150 hours	6 credits
4 units (typical USA course)	200 hours	8 credits
12 units (UPS full time student)	600 hours	24 credits
36 units (3 quarters = 2 semesters)	1,800 hours	72 credits

DIDACTICS and METHODOLOGY

Didactic activity takes place through the Internet, in the “Master” section of the portal: www.uninettunouniversity.net, the first portal in the world where teaching is delivered in six languages: Italian, English, French, Arabic, Greek and Polish. The adopted psycho-pedagogic model implements the shift:

- from the central role of the teacher to that of the student;
- from the transmission of knowledge to the building of knowledge;
- from passive and competitive learning to active and collaborative learning.

The students play an active role in their learning progress and can study whenever and wherever they wish to. In the course of their learning, the students are guided by an online tutoring system, which is able to facilitate their learning and web-based communication process and to supply them with the tools to carry out their study of their particular subject successfully. The online tutoring is organized into classes of students, with an advanced agenda system that is able to recognize each individual and to obtain the tracking of didactic activities and the quantitative and qualitative evaluation of the learning process of each single student.

The didactic activity on the Internet unfold within the WEB macro-area known as the Didactic Cyberspace. In the Didactic Cyberspace the learning and developmental process is implemented and the access are differentiated through login and passwords on the basis of

the three different roles of those who participate in the learning process: Professors, Tutors and Students. The three categories of those who utilize the service can access information linked to each teaching subject.

In particular, the Professor and Tutor can modify or substitute didactic materials and add new ones for the duration of the teaching period, while the student has his or her own area where data, information and personal notes can be inserted. The student can access:

- the Page of the Appointed Teaching Professor
- the Tutor Page

Within these pages the Learning Environments are inserted and it is possible to access:

- **Didactic Materials**

They constitute the course contents: digitized video-lessons with bookmarks allow the hypertextual and multimedia link to books, selected bibliographical references, texts of the exercises, lists of selected websites. The system of dynamic bookmarks gives the Internet-based video-lessons a hyper-textual character allowing different levels of navigation: from one lesson to the other one, between the subjects of a single lesson, between the materials referring to the same subject.

- **Distance Tutoring**

The students enrolled in the Master's course will be able to be followed during every step of their study path by the Telematic Professor-Tutor, who represents a guide as well as a constant presence during your Learning Process. The long-distance Tutoring activities can be carried out in two ways:

- in a synchronic manner, by using the chat rooms, the videochat rooms, video and audio-conference systems activated in the Didactic Cyberspace, but also the three-dimensional classroom created on the UTIU Island of knowledge on Second Life.
- in a diachronic manner, through tools such as e mail and discussion forums on the Internet. The discussion forums, related to the topics of a given teaching subject, allow you to extend the dialogue and activate a collaborative learning and to organize your thoughts regarding the discussion topic and study activity that you are engaged in.

- **The virtual classroom in UNINETTUNO Island of Knowledge on Second Life**

In UNINETTUNO (International Telematic University) Island of Knowledge we realized a 3D Auditorium devoted to the Master's course. This is where the students' avatar and professors / tutors' avatars interact in the three-dimensional world of UNINETTUNO by their voice. Practice works, assessment tests and videoconferences with the protagonists of the European Union attending through their avatars are carried out, as well as direct practice activities guided by the professors/tutors' avatars. In the virtual classroom of Second Life on the UNINETTUNO Island of

Knowledge the students and the professors/tutors teach and learn in a collaborative and cooperative way, they build and share knowledge with people belonging to different political, cultural and religious realities, they dialogue, cultural differences are compared, socialization processes are activated as well as the creation of new knowledge.



SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD

EXPRESSION OF INTEREST FORM

Program: Master in Applied Archaeological Sciences

Personal Details:

SURNAME (as in Passport):

FIRST NAME (as in Passport):

DATE OF BIRTH:

COUNTRY AND PLACE OF BIRTH: /

ADDRESS:

P.C.:

TELEPHONE:

(WORK)

(HOME)

(MOBILE)

FAX :

EMAIL ADDRESS:

CURRENT PROFESSION / POSITION:

PROFESSIONAL HISTORY:

CITIZENSHIP:

Academic Details:

UNIVERSITIES:

UNDERGRADUATE:

INSTITUTION:

DATES OF ENROLLMENT AND GRADUATION:

GRADE:

POSTGRADUATE:

INSTITUTION:

DATES OF ENROLLMENT AND GRADUATION:

GRADE:

FOREIGN LANGUAGES:

INFORMATION TECHNOLOGY SKILLS:

SCIENTIFIC INTERESTS:

Date:/...../.....

Complete and send this page to the Master's Academic Director Prof. Ioannis Liritzis at:

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