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EDICULA
Educational Digital Innovative Cultural heritage related Learning Activities

**EDICULA
TEACHERS'
COURSE**

Project Code: 2020-1-EL01-KA203-079108

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Erasmus+ Programme
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IKY

NATIONAL TECHNICAL
UNIVERSITY OF ATHENS
[GREECE]

SAPIENZA
UNIVERSITÀ DI ROMA
[ITALY]

BEZALEL ACADEMY
OF ARTS AND DESIGN
[ISRAEL]

PERPETELSI SRL
[ROMANIA]

ISRAEL ANTIQUITIES
AUTHORITY
[ISRAEL]

HELLENIC RESEARCH INSTITUTE OF
THE ALEXANDRIAN CIVILIZATION
[GREECE]

EDICULA TEACHERS' COURSE PARTICIPANTS

The goal of the EDICULA Teachers' Course is to train higher education teachers to promote the transdisciplinary scientific synthesis as the key element for innovative education. Moreover, it aims to projects to the Society the interconnection between Education and Research. In this framework, Innovation can serve as the catalyst to transform research into novel educational approaches to achieve authentic learning. This has been aptly demonstrated throughout all EDICULA project's intellectual outputs and multiplier events.

Although the importance of innovative transdisciplinary scientific synthesis is widely recognized in the field of cultural heritage as the driving force for addressing complex and grand challenges, such synthetic approach is relevant to other scientific fields and correspondingly to educators too. The EDICULA Teachers' Course builds upon the knowhow gained in the field of CH protection, as demonstrated by emblematic use-cases such as the rehabilitation of the Holy Aedicule, as well as on the hands-on experience from the Jerusalem and Alexandria events and the innovation and educational issues analyzed in E3, and thus functions as the "stepping stone" to transfer this framework and methodology of synthesis to students and the Society.

In the above context, higher education, in particular postgraduate programs, is the only level on which both Education and Research can integrate Innovation in real-time and real-scale and promote transdisciplinarity within interdepartmental programs. In contrast, primary and secondary education do not currently offer such capability, hence the Teachers' Course is addressed to University trainees. Furthermore, expanding from an innovative education in the field of CH protection, the curricula applied should be adaptive to other scientific fields, to the relevant audiences needs, and to the needs of Society. This requirement not only specifies that non-specific curricula should be developed, but also that the trainees receiving such training should correspond to Innovation-driven scientific fields, to optimally absorb and later diffuse the EDICULA educational approach to their Universities.

EDICULA Teachers' Course trainers are professors and educators from the EDICULA stakeholders, the National Technical University of Athens, Sapienza University of Rome, Bezalel Academy of Arts and Design, as well as the Israel Antiquities Authority.

The EDICULA Teachers' Course **trainees** are higher education teachers selected from different fields to promote the EDICULA educational framework for transdisciplinarity through innovation. A training group consisting of 20 participants representatives of post-graduate programs, have been selected as relevant to the disciplines that can be applied in cultural heritage protection, but can also transfer the EDICULA framework into other scientific fields as well.

The team of eight trainees from UNIROMA1 consists of representatives from the Departments of Physics, Dept. of Food, Dept. of Earth Sciences, Dept. of Environmental biology, Dept. of Biology and Biotechnologies 'Charles Darwin', as well as from Ca' Foscari University of Venice, Dept. Environmental Sciences, Informatics and Statistics and from the Consiglio Nazionale delle Ricerche - Istituti dei Sistemi Complessi (CNR-ISC).

The team of four trainees from BEZ consists of representatives from the School of Architecture, Master's Program in Urban Design, SCE School for Architecture in the Negev, and the Former Head of Architecture Dept., Bezalel. It should be noted that the reduced participation of trainees from BEZ, compared to eight as originally planned is attributed to academic scheduling commitments for the remaining trainees that did not allow them to attend the Course.

The team of eight trainees from NTUA consists of representatives from NTUA's Program in Protection of Monuments / Direction A' Conservation and Restoration of Historic Buildings and Complexes, from MSc Program in Computational Mechanics, from MSc Program in Environment and Development, from University of Ioannina, Dept of Materials Science and Engineering (UoI Vicer Rector for Research, Innovation and Development, UoI MSS-NDE Lab), University of Peloponnese, Department of History, Archaeology and Cultural Resources Management, MSc Program in Cultural Heritage Materials and Technologies, and Technical University of Crete, School of Architecture, MSc Program in in Protection, valorization and conservation of Monuments and Sites.

The SC in cooperation with NTUA, UNIROMA1 and BEZ opted to include participants from other Universities and Institutions to enhance the impact of the Project, as well as to benefit from a diverse range of scientific fields and Universities educational curricula and research experience. The selected group of trainees conform to this approach and attended the Course successfully, bringing back to their institutions and programs a valuable experience.

EDICULA TEACHERS' COURSE PARTICIPANTS				
	First Name	Last Name	program represented	email
Sapienza Universita di Roma				
Trainers				
Prof	Gabriele	Favero		gabriele.favero@uniroma1.it
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Dr	Alessia	Masi		alessia.masi@uniroma1.it
Dr	Laura	Medeghini		laura.medeghini@uniroma1.it
Trainees				
Prof	Elisabetta	Zendri	<p>Science and Technologies in the Restoration of Cultural Heritage</p> <p>Prof. E. Zendri, Ca' Foscari University of Venice, Dept. Environmental Sciences, Informatics and Statistics, is a member of the National Inter-University Consortium for the Chemistry of Materials (INSTM), member of the Società Chimica Italiana (Italian Chemistry Society), Environmental and Cultural Heritage Division and member of the International Council on Monuments and Sites ICOMOS-CIF, and through her longstanding cooperation with UNIROMA1 will disseminate the results of the Teachers' course to Ca' Foscari Univ. and the international organizations she participates.</p> <p>No Grant required, as Prof. Zendri covered her expenses from other sources.</p>	elizen@unive.it
Prof	Francesca	Cappitelli	<p>Science and Technologies in the Restoration of Cultural Heritage</p> <p>Dr. Fr. Cappitelli is a Full Professor of Microbiology at the Università degli Studi di Milano, in the Department of Food, Environmental and Nutritional Sciences and through her cooperation with UNIROMA1 Program Science and Technologies in the Restoration of Cultural Heritage will disseminate the Teachers' course experience</p>	francesca.cappitelli@unimi.it
Prof	Francesca	Frasca	Science and Technologies in the Restoration of Cultural Heritage (Sapienza Univesita di Roma, Dipartimento di Fisica)	f.frasca@uniroma1.it
Lecturer	Claudia	Moricca	Sapienza Univesita di Roma, Dipartimento di Scienze della Terra	claudia.moricca@uniroma1.it
Prof	Cristiano	Vignola	Science and Technologies in the Restoration of Cultural Heritage (Sapienza Univesita di Roma, Dipartimento di Biologia Ambientale)	cristiano.vignola@uniroma1.it
Prof	Silvia	Capuani	<p>Science and Technologies in the Restoration of Cultural Heritage</p> <p>Prof. Silvia Capuani, Consiglio Nazionale delle Ricerche - Istituti dei Sistemi Complessi (CNR-ISC), headquarters in Physics Department of Sapienza University of Rome, where she directs her own research group and holds the Nuclear Magnetic Resonance and Medical Physics Laboratory.</p>	silvia.capuani@isc.cnr.it

Prof	Teresa	Rinaldi	Science and Technologies in the Restoration of Cultural Heritage (Sapienza Univesita di Roma, Dipartimento di Biologia e Biotechnologie "Charles Darwin")	teresa.rinaldi@uniroma1.it
Prof	Claudio	Chimenti	Science and Technologies in the Restoration of Cultural Heritage (Sapienza Univesita di Roma, Dipartimento di Biologia e Biotechnologie "Charles Darwin")	claudio.chimenti@uniroma1.it
Bezalel Academy of Arts and Design				
Trainers				
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Lecturer	Adi	Sela Wiener		adisewi@gmail.com
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Trainees				
Lecturer Dr. Architect	Michael	Braier	Bezalel Academy of Arts and Design, School of Architecture, Master's Program in Urban Design, Graduation Project Coordinator	MichalBraier@post.bezalel.ac.il
Lecturer Architect	Michael	Cidor	Bezalel Academy of Arts and Design, School of Architecture, SCE School for Architecture in the Negev	cidormich@post.bezalel.ac.il
Professor, Dr. Architect	Zvi	Efrat	Bezalel Academy of Arts and Design, Former Head of Architecture Dept. Bezalel. Design Instructor, Final Project (5th year) and summer studio (titled: Tropical Modernism)	zbiaprt@post.bezalel.ac.il
Lecturer Architect	Avner	Ofek	Bezalel Academy of Arts and Design, School of Architecture, Master's Program in Urban Design, Bachelor's degree program	avnerofek@post.bezalel.ac.il
Israel Antiquities Authority				
Trainers				
Dr	Yuval	Baruch		yuval@israntique.org.il
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National Technical University of Athens				
Trainers				
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Trainees				
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Professor	Maria	Stavroulaki	Assoc. Prof. M. Stavroulaki is a faculty member of the Technical University of Crete, School of Architecture. She participated in the Teachers' course, as part of the NTUA team, in order to disseminate the experience to the Technical University of Crete	mstavr@mred.tuc.gr
Professor	Noni	Maravelaki	Faculty representative: Technical University of Crete, School of Architecture, MSc Program in in Protection, valorization and conservation of Monuments and Sites Prof. N. Maravelaki, is a faculty member of the Technical University of Crete, School of Architecture. She participated in the Teachers' course, as part of the NTUA team, in order to disseminate the experience to the Technical University of Crete	pmaravelaki@tuc.gr
Professor	Theodoros	Matikas	Prof. Th. Matikas is a faculty member of the University of Ioannina, Dept. of Materials Science and Engineering. He participated in the Teachers' course, as part of the NTUA team, in order to disseminate the experience to the University of Ioannina, as Vice Rector for Research, Innovation and Development	matikas@uoi.gr
Dr	Dimitrios	Exarhos	Dr.Dimitrios Exarchos is a researcher at the Department of Materials Science and Engineering of the University of Ioannina, Mechanics, Smart Sensors & Nondestructive Evaluation (MSS-NDE) Laboratory He participated in the Teachers' course, as part of the NTUA team, in order to disseminate the experience to the Uoi MSS-NDE Lab educational activities	exarchosd@gmail.com
Professor	Nikolaos	Zacharias	Faculty representative: University of Peloponnese, Department of History, Archaeology and Cultural Resources Management, MSc Program in Cultural Heritage Materials and Technologies Prof. N. Zacharias, is a faculty member of University of Peloponnese, Department of History, Archaeology and Cultural Resources Management. He participated in the Teachers' course, as part of the NTUA team, in order to disseminate the experience to the University of Peloponnese	zacharias@uop.gr
Professor	Maria	Loizidou	National Technical University of Athens, School of Rural and Surveying Engineering and Geoinformatics, MSc Program in Environment and Development	mloizidou@chemeng.ntua.gr
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The EDICULA Educational Committee responsible for the Teachers' Course

National Technical University of Athens

Professor Antonia Moropoulou – Coordinator of EDICULA Project
Elected Assistant Professor Kyriakos Lampropoulos
Antonia Lampropoulou

Bezalel Academy of Arts and Design

Professor Mike Turner
Lecturer Adi Sela Wiener
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