

COURSE OUTLINE

1. GENERAL

SCHOOL	ENGINEERING		
DEPARTMENT	PRODUCT AND SYSTEMS DESIGN ENGINEERING		
LEVEL OF STUDIES	GRADUATE		
COURSE CODE	5208	SEMESTER	9th
COURSE TITLE	DESIGN HISTORY		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Lectures		3	6
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge		
PREREQUISITE COURSES:	NONE		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
COURSE DELIVERED TO ERASMUS STUDENTS	YES (ENGLISH)		
MODULE WEB PAGE (URL)	https://eclass.uowm.gr/		

2. LEARNING OUTCOMES

Learning outcomes
The course is the course of free choice. Upon completion of this course, students should be able to:
<ol style="list-style-type: none"> 1. Document the information (digital and / or analog) 2. Evaluate the accuracy of digital information. 3. Propose techniques for digitization and storage of cultural resources. 4. Propose the methodology of designing digital culture applications (choice of methodology and approach). 5. Evaluate existing digital culture applications in terms of their accuracy, usability and impact. 6. Evaluate the challenges and opportunities in this scientific field.
General Skills
<ul style="list-style-type: none"> • Search, analysis and synthesis of data and information, using the necessary technologies • Decision making • Autonomous work • Teamwork • Promoting free, creative and inductive thinking • Production of new research ideas

3. COURSE CONTENTS

The course "Digital Cultural Heritage" offers an introduction to the basic principles of digital recording, documentation, archiving, dissemination and promotion of Cultural Heritage and will give all the necessary knowledge needed to create digital (digital library) and analog (3D printing).) applications. The aim is to understand the contemporary needs arising from the convergence of the digital world with the Cultural Heritage and the development of new innovative applications for the management and promotion of content of cultural interest.

Finally, the aim of the course is to familiarize students with current trends, both in experimental and applied level, in the field of Digital Object Recording Technology and advanced tools for research, documentation and promotion of Cultural Heritage.

The course Digital Culture analyzes the basic concepts (culture, cultural heritage, digitization, technology, etc.), documents the need to digitize our culture, examines the factors that affect the outcome of a digital culture application, analyzes examples of 'good practice' and presents the designing cultural applications using technology. Students through a series of exercises (during the course), understand theoretically and practically the complex issue of Digital Culture and understand the challenges and opportunities in this field.

4. TEACHING METHODS - ASSESSMENT

MODE OF DELIVERY	THEORY Face to face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	<ul style="list-style-type: none"> • Video and slide presentations via projector • Support of teaching process via the electronic platform e-class 	
TEACHING METHODS	Activity	Semester workload
	Lectures	60
	Study and analysis of literature	20
	Non-directed study	40
	Study project	30
	Course total	150
ASSESSMENT METHODS	<p>The language of evaluation is Greek. Student assessment is based on:</p> <ul style="list-style-type: none"> • in a written final exam (70%) that includes: <ul style="list-style-type: none"> i. Short Answer Questions ii. Essay development questions iii. Multiple choice questions • Exercises that took place throughout the semester and a study project at the end of the semester (30%) 	

5. ATTACHED

- Suggested bibliography:

1. ΠΟΛΙΤΙΣΤΙΚΗ ΑΝΑΠΑΡΑΣΤΑΣΗ Παπαγεωργίου Δημήτρης, Μυριβήλη Ελένη, Μπουμπάρης Νίκος
2. DIGITAL HERITAGE. PROGRESS IN CULTURAL HERITAGE, 2016 [Τόμος 1],
3. DIGITAL HERITAGE. PROGRESS IN CULTURAL HERITAGE, 2016 [Τόμος 2]

- Related academic journals: