



General information		
Academic subject	Elements of CAD drawing	
Degree course	LM-2 inter-university MA	
Academic Year	2022-2023	
European Credit Transfer and Accumulation System (ECTS)		3
Language	Italian	
Academic calendar (starting and ending date)	Second Semester (27.02.2023 – 19.05.2023)	
Attendance	Attendance is governed by the Course Didactic Regulations (art.4): https://w3.uniba.it/corsi/archeologia/presentazione-del-corso/R.D.ARCHEOLOGIAA.A.20222023.pdf	

Professor/ Lecturer	
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Virtual headquarters	
Tutoring (time and day)	Monday through Friday, by appointment to be arranged with the lecturer via email

Syllabus	
Learning Objectives	Acquisition of skills related to the use of digital tools for 2D and 3D digital surveys and reconstructions for cultural heritage
Course prerequisites	Basic computer skills (elementary knowledge of a personal computer and operating system);
Contents	The course aims to provide students with the fundamentals related to the main areas of application of CAD drawing in the field of cultural heritage and in particular historical, artistic and archaeological heritage, from field survey to graphic reconstruction. During practical exercises the fundamental concepts of vector graphics but also of image acquisition and processing (image acquisition procedures, digital photography, bitmap graphics and photomodeling) will be analyzed and tested. During the laboratory sessions, students will be able to test the skills acquired in the realization of a project to be agreed with the lecturer.
Books and bibliography	Reference texts will be provided during the course
Additional materials	

Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
75	9	12	54
ECTS			
3			
Teaching strategy			
	Teaching tools and texts for learning will be delivered through a specific teaching platform		
Expected learning outcomes			

Knowledge and understanding on:	Knowledge and understanding of techniques and tools for 2D and 3D reconstructive drawings for cultural heritage.
Applying knowledge and understanding on:	Knowledge and understanding skills applied to the design and fabrication of digital reconstructive drawings.
Soft skills	<ul style="list-style-type: none"> • <i>Autonomy of judgment</i> Knowledge and ability to understand the use of CAD applications in the field of cultural heritage and archaeology; Knowledge and ability to understand the potential, problems, application methodologies, techniques and tools of CAD applications in the field of cultural heritage and archaeology; • <i>Communication skills</i> Communication skills and mastery of the technical lexicon. • <i>Ability to learn independently</i> Ability to learn and update skills in a rapidly and constantly changing scenario.

Assessment and feedback	
Methods of assessment	Due to the theoretical-practical nature of the course, verification of learning will already take place <i>in itinere</i> during laboratory sessions and seminars. Students will experience the skills acquired during the course in the realization of a project (theme of the year), the verification of which will constitute the examination.
Evaluation criteria	<ul style="list-style-type: none"> • <i>Knowledge and understanding</i> Knowledge of techniques and methodologies for surveying and drawing; • <i>Applying knowledge and understanding</i> Knowledge and ability to understand the quality of surveys and digital reconstructive drawings; • <i>Autonomy of judgment</i> Proper use of tools and methods. • <i>Communication skills</i> Implementation of a project or prototype survey/reconstructive design. • <i>Capacities to continue learning</i> Knowledge of techniques and methodologies for updating on course topics.
Criteria for assessment and attribution of the final mark	The discussion of the year's topic, together with the discussion of the themes that emerged during the lectures, will constitute the end-of-course assessment.
Additional information	