

# CULTURAL HERITAGE (LB13)

(Università degli Studi)

## Teaching SURVEY AND ANALYSIS OF ANCIENT MONUMENTS II

GenCod A006435

Owner professor Carla Maria AMICI

**Teaching in italian** Rilievo e analisi dei monumenti antichi II

**Teaching** SURVEY AND ANALYSIS OF ANCIENT MONUMENTS II

**SSD code** L-ANT/09

**Reference course** CULTURAL HERITAGE

**Course type** Laurea

**Credits** 4.0

**Teaching hours** Front activity hours: 24.0

**For enrolled in** 2022/2023

**Taught in** 2023/2024

**Course year** 2

**Language** ENGLISH

**Curriculum** ITALO CINESE TECHNOLOGY

**Location**

**Semester** Second Semester

**Exam type** Oral

**Assessment** Final grade

**Course timetable**

<https://easyroom.unisalento.it/Orario>

### BRIEF COURSE DESCRIPTION

Special cases and technical innovations in ancient buildings; survey method outlines for direct and indirect survey, for computerized systems applied in drawing and for virtual reconstructions.

### REQUIREMENTS

Good knowledge the architecture of ancient buildings, with particular reference to the technical and functional aspects; familiarity with computer systems, i.e. CAD, would be preferable.

### COURSE AIMS

Update know how on significant technical innovations of the construction technique of antiquity in relation to modern construction practice and to specific applications for the conservation and restauration cultural heritage buildings; outlines on the methodology of direct and indirect survey, and elementary know-how in virtual reconstruction of ancient buildings.

### TEACHING METHODOLOGY

Lectures and Classes with the support of PPT presentations.  
Module will be taught in a 2 week block mode and in presence.  
If possible, survey exercises will be proposed.

### ASSESSMENT TYPE

Final Exam: This course will have a written final exam. The examination will evaluate students' understanding of the material presented in the course, and of the assigned readings. Grading: Grades will be determined according to the following breakdown: Attendance and courseworks: 40% Final exam: 60%

### FULL SYLLABUS

The course aims to offer a reasoned compendium on the major technical innovations of the ancient construction technique, to explain the methodology of direct and indirect survey, and of computerized systems applied in drawing and virtual reconstructions. If it will be possible, it will includes some survey exercises.

**Bibliography**

Adams, J.P (2005) " Roman Building, Materials and Techniques,  
Routledge 2005, available on Taylor & Francis eBooks,

Amici, C.M. (2008) "Survey and technical analysis: a must for understanding ancient monuments" in  
ARCHAIA: Case Studies on Research, Planning, Characterisation, Conservation and Management of  
Archaeological Sites , *BAR* 51877, Oxford 2008, pp. 29-41.

Amici, C.M. (2015), "Hidden iron: high tech devices in roman imperial architecture", *Proceedings of  
the Fifth International Congress on Construction History*, Chicago, pp. 63-71.

Amici, C.M.- TEN A., "Preliminary Methodological Indications for the Restoration of Ancient  
Buildings" *Proceedings of the X International Congress of the Conservation of Monuments in the  
Mediterranean Basin (MONUBASIN)*, Athens 2018, pp. 487-505.