

UNIVERSITY OF CAGLIARI
SCHOOL OF SPECIALISATION IN ARCHITECTURAL AND LANDSCAPE HERITAGE
aa.yy. 2022-23 and 2023-24

COURSE INFO

Professor
Carlo Atzeni
Title of the course
Construction techniques of traditional architecture
Scientific Disciplinary Sector
ICAR/10
Number of hours
20
Language
Italian/English
Objectives of the course
Knowledge of basic design theory and the main regulatory frameworks on the landscape protection and enhancement. The course is connected with others of a design nature in particular related to the urban and landscape scale but also with the disciplines of technology, urban planning and restoration. Specific areas of study: - analysis and study of the main structural techniques of the tradition: the principle of the wall cell as the basis for the construction of the space of pre-modern Mediterranean architecture; - analysis and study of the main construction techniques of the Sardinian tradition with particular reference to both stone and raw earth masonries; - study of the relationship between form and construction in traditional architecture in relation to the different techniques and different construction materials; - traditional construction as a paradigm of the circular economy and settlement sustainability; - inter-scaling of traditional construction: from construction elements to landscape structures.
Any prerequisites
Knowledge of technical design and the foundations of architectural construction, especially the historical and pre-modern ones. The course is connected with others of a technological, historical, restoration and design nature.
Topics and contents of the course
The course deals with the themes of traditional pre-modern construction and its implications with the different scales of architecture and landscape
Methods of examination
Oral. Practice-laboratory test.
Essential bibliography
G. Angioni, A. Sanna, <i>L'Architettura Popolare in Italia. Sardegna</i> , Laterza, Roma-Bari 1988. C. Atzeni, D. Bianco, F. Cuboni, G.G. Ortu, A. Sanna, <i>I Manuali del Recupero dei Centri Storici della Sardegna</i> , voll. 0.1, I.1, II.1, III, IV, V, DEI - Tipografia del Genio Civile, Roma 2008-09. F. Giovannetti, <i>Manuale del recupero del Comune di città di Castello</i> , DEI - Tipografia del Genio Civile, Roma 2000. S. Musso, G.Franco, <i>Guida alla manutenzione e al recupero dell'edilizia e dei manufatti rurali</i> , Marsilio, Venezia 2000. Equipe Corpus (a cura di), <i>Arquitectura tradicional mediterránea</i> , Col.legi d'Aparelladores i Arquitectes Tècnics de Barcelona per il Meda-corpus, Barcellona 2002.

Further bibliographical information
<p>X. Casanovas (a cura di), <i>Manuel pour la réhabilitation de la ville de Dellys</i>, Col·legi d'Aparelladors, Arquitectes Tècnics i Enginyers d'Edificació de Barcelona pour le consortium Montada Barcelone, Barcellona 2012.</p> <p>C. Atzeni, M. Manias, <i>Manuale del Recupero dei centri storici della Marmilla, del Sarcidano, dell'Archi e del Grighine</i>, DEI Tipografia del Genio Civile, Roma 2006.</p> <p>AA.VV, <i>Architettura di base</i>, Alinea editrice, Firenze 2007.</p> <p>X. Casanovas (directeur), <i>Méthode RehabiMed. Architecture Traditionnelle Méditerranéenne. I. Réhabilitation Ville et Territoire ; II. Réhabilitation Bâtiments</i>, Rehabimed, Barcelone 2007.</p> <p>F. Giovannetti, <i>Manuale del recupero del Centro Storico di Palermo</i>, Flaccovio editore, Palermo 1997.</p> <p>A. Giuffrè, <i>Sicurezza e conservazione dei Centri Storici. Il caso Ortigia</i>, Laterza, Bari 1993.</p> <p>A. Giuffrè, C. Carocci, <i>Codice di pratica per la sicurezza e la conservazione dei Sassi di Matera</i>, edizioni La Batta, Matera 1997.</p> <p>A. Giuffrè, C. Carocci, <i>Codice di pratica per la sicurezza e la conservazione del centro storico di Palermo</i>, editori Laterza, Bari 1999.</p>
Didactic materials
<p>Lessons in .pdf format; Basic material for practice; Some bibliographic extracts in .pdf format.</p>
External guests
<p>Xavier Casanovas, UPC Barcellona; Edoardo Currà, Sapienza Roma.</p>