

SYLLABUS

Second Semester 2022/2023

University of Coimbra

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UNIVERSIDADE D
COIMBRA



**ARCHITECTURE
LANDSCAPE
ARCHAEOLOGY**
ERASMUS+
JOINT MASTER

University of Coimbra

Department of Architecture FCTUC, Department of Archaeology FLUC
School of Architecture - Colégio das Artes

Paulo Providência

Local Coordinator

| Modules | Aims | Professors | Scientific disciplinary sectors (SDS) | ECTS | Hours | Didactics | Assessment |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------|------|-------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 1.e Design Studio B Coimbra: Archaeology and Territory Design | A design studio course in architecture and archaeology, based on design exercises on specific archaeological, landscape or urban sites, chosen with associated partners. The objective of the course is to produce design proposals where the analytical tools of archaeology allow support for architectural options of design, and vice versa, where architectural intentions and construction of meaning are incorporated in the various forms of archaeological intervention - from preventive archaeology to archaeological reconstruction. | J. M. Ribeiro L. M. Correia | ICAR/ 14 ICAR/ 15 | 12 | 300 | design studio tutorials, masterclass lectures, seminar, site visits | Design Studio criticism sessions, involving invited architects and archaeologists |
| 2.e Archaeogeography and territory techniques | The course gives a set of very precise tools of territorial analysis, contributing to the study of geo-historic subjects, not yet studied by areas like historical geography, geo-history and landscape archaeology. The course develops skills in the analysis of landscape lines of strength, communication axes, hydrographic elements, parcelling plots and habitat. | C. Martins C. Lopes | ICAR/ 18 L-ANT/ 07 L-ANT/ 09 L-ANT/ 10 | 6 | 150 | masterclass lectures, tools workshop | group work, designed compiled chart, oral presentation |
| 3.e Landscape Archaeology: Architecture and Territory | Landscape Archaeology: Architecture and Territory is a theoretical course that extends common visions of architecture and archaeology, through an anthropological or anthropo-archaeological spatial approach. Taking the experience of the archaeology of bronze- and copper-age settlements, it proposes interpretations that evoke primordial perceptions of the organization of the natural space. The phenomenological approach of the course allows questioning of both disciplines, taking the landscape, the city and the territory as privileged locus of that articulation. | J. Muralha | ICAR/ 14 ICAR/ 15 ICAR/ 21 | 6 | 150 | masterclass lectures, seminars, tools workshop | individual report on an archaeological site |
| 4.e Narratives of Restoration | As regards the Portuguese experience and international cases to be presented in the cycle of conferences of this subject, the student should understand and develop a critical perspective on different narratives of restoration, such as the relations that are established between the landscapes and built archaeological environment, as well as the desired musealization of space. | R. Lobo A. Rabaça B. Gil P. Providência | ICAR/ 14 L-ART/ 04 | 6 | 150 | conferences, seminars, case studies | submission and discussion of a programme and essay |

Professors

João Mendes Ribeiro
Luís Miguel Correia

Guest Lecturers

Catarina Raposo

Tutors

Lúisa Bebiano
Pedro Martins

Schedule

Tuesday, Thursday
09.00 - 12.00am

Aims

The objective of the course is to produce design proposals where the analytical tools of archaeology allow support for architectural options of design, and vice versa, where the architectural intentions and construction of meaning is incorporated in the various forms of archaeological intervention - from preventive archaeology to archaeological reconstruction.

Themes

Each edition has its own themes, based on interventions in archaeological sites related to territorial and landscape problems. The current edition is fully dedicated to the rehabilitation of the interior spaces and the reconnection of the Numão Castle, with its surrounding territory. This Design Studio edition aims for students to consider the roles of the wall, the towers, the doors and the moments of entrance, using them as drivers for the reinterpretation of the established and delimited archaeological site and for enhancing its relations with the surrounding territory and community. Two particular moments will be taken into consideration, regarding the two main existing entrances to the site: the south entrance and its relationship with the church of Santa Maria and cemetery and the northeast entrance related to the two towers (keep and east tower) and the exterior church of São Pedro.

Methods

The design studio exercises are developed through a reflexive practice, group work and tutored individual work. Specific courses will allow to improve drawing and communication skills, through various forms of representation (analogue as well as digital) including model construction. Theoretical reflexion includes site visits reports, case studies, and a design process construction.

Assessment

There are two planned sessions of design studio criticism - one interim, and a final session - involving invited architects and archaeologists.

Professors

Carlos Martins
Maria Conceição Lopes

Guest Lecturers

Alessandra Ponte
Helena Paula Carvalho
Hélène Noizet

Tutors

Bruno Caprichoso
Hugo Pires
Ricardo Cabral

Schedule

Wednesday
14.00 - 17.00pm

Aims

The course gives a set of very precise tools for territorial analysis, oriented towards an approach of the transmission of forms of spatial organization in the long duration.

Themes

The course develops skills in the field of archaeogeographical methods of reading and analysis of landscape forms, structured in the construction of the "Carte compilé" (GIS), which is a planimetric document that associates in the same geographical and geometric space information on parcels, buildings, communication routes, environmental and hydrographic elements, from different periods.

Methods

The course is organized with a blend of theoretical classes with practical exercising classes. Specific workshops in geographic information systems allow the various levels of information and respective interpretation to be incorporated.

Assessment

Group work of a compiled chart, orally presented.

February

14 Introduction and scope of the design studio
L. M. Correia
J. M. Ribeiro
L. Bebiano
P. Martins

16 Preparation to site visit
23 J. M. Ribeiro
L. Bebiano
P. Martins

24 Guided visit to the 25 archaeological site 26 and Lectures 27

28 Site readings and mappings - drawings and models
J. M. Ribeiro
L. Bebiano
P. Martins

March

02 Site readings and mappings - drawings and models
L. M. Correia
L. Bebiano
P. Martins
L. M. Correia

09 Guided visit to Ourém and Pombal

14 Introduction to Landscape Design Tools
C. Raposo

16 Landscape approach to the Design objectives
C. Raposo

21 Design Strategies - drawings and models
23 J. M. Ribeiro
28 L. Bebiano
30 P. Martins
L. M. Correia

April

11 Preparation crit session
J. M. Ribeiro
L. Bebiano
P. Martins

13 Interim Design Studio Critic Session - drawings and models
C. Raposo
M. Rorigues
P. Alonso

18 Developing individual proposal - drawings and models
20 J. M. Ribeiro
27 L. Bebiano
P. Martins
L. M. Correia

June

01 Preparation of design process - drawings and models
06 J. M. Ribeiro
L. Bebiano
P. Martins

12 Final Design Studio Crit Session
K. Dimiri
N. Marda
A. Capuano
P. Miano

09 Interim Design Studio Critic Session - drawings and models
P. Providência

11 Developing individual proposal - drawings and models
16 L. M. Correia
18 L. Bebiano
P. Martins
J. M. Ribeiro

30 Preparation of design process - drawings and models
L. M. Correia
J. M. Ribeiro
L. Bebiano
P. Martins

01 Preparation of design process - drawings and models
06 L. M. Correia
J. M. Ribeiro
L. Bebiano
P. Martins

12 Final Design Studio Crit Session
K. Dimiri
N. Marda
A. Capuano
P. Miano

February

15 Introduction and scope of the course
C. Martins
C. Lopes

22 The representation of the Territory
C. Martins

March

01 Landscape markers and cadastral intervention in the territory near Bracara Augusta
H. P. Carvalho

08 Between planned and unthought, the ordinary fabric of urban forms
H. Noizet

15 3D Aerial Photogrametry module 1
H. Pires

22 LIDAR module 2
H. Pires

29 SIG module 3
R. Cabral

April

12 The Landscapes of the Antiquarians
A. Ponte

19 Governing Climate: Maps and Territories
A. Ponte

26 The Archives of the Planet: Cartography and Human Geography
A. Ponte

May

03 Spherology & Spherography: fin-de-siècle cosmographies
A. Ponte

10 Montreal and the Artificial Intelligence Mandate: From Cartography to Infographics
A. Ponte

17 SIG chart presentation - The Compiled Chart
C. Lopes
R. Cabral

31 Documents and Method: crossing geology, geo-history, with cartographies and cartographic interpretation - the compiled chart
C. Lopes

June

07 Assessment of the course
C. Lopes
C. Martins
A. Ponte

Professors

João Muralha

Guest LecturersAna Vale
Aurora Carapinha
João Gomes da Silva**Schedule**Tuesday
14.00 - 17.00pm**Aims**

Landscape Archaeology: Architecture and Territory is a theoretical course that extends common visions of architecture and archaeology, through an anthropological or anthropo-archaeological spatial approach.

Themes

Taking the experience on the archaeology of bronze- and copper-age settlements, it proposes readings that evoke primordial perceptions of the organization of the natural space. The historiography of interpretative paths, refers to landscape archaeology in archaeological parks; the construction of the archaeological territorial park, through the archaeological site; contexts, interpretation and preservation of archaeological territorial areas are other themes, as well as the professional approach to landscape archaeology.

The interpretations of architecture and landscape in antiquity, as well as in the nineteenth and twentieth centuries are also subject of study.

Methods

The phenomenological approach of the course allows to question both disciplines taking the landscape and the territory as privileged locus of that articulation. Magistral classes on relevant theoretical themes are articulated with courses on case studies, based on lecturers experience as landscape architects, archaeologists or architects.

Assessment

Construction of an individual report on an archaeological site through a phenomenological approach, translating the landscape experience, annotations, photographic images and drawings.

ProfessorsRui Lobo
Armando Rabaça
Bruno Gil
Paulo Providência**Guest Lecturers**Gonçalo Byrne
Luigi Franciosini
Pedro Alarcão
Vincenzo Latina**Schedule**Wednesday
10.00-13.00am**Aims**

Regarding the Portuguese experience in the field of heritage interventions and the international cases to be presented in the cycle of conferences of this subject, students should develop a critical perspective on different narratives of restoration, such as the relations that are established between the landscapes and the built archaeological environment. Organized by exploring the relationship between theoretical and philosophical concepts, architectural and archaeological techniques and interventions, the course aims to reinforce reflective practice in the enhancement and management of archaeological sites.

Themes

For the current edition, the four concepts that presentations and seminars will be organized around are *Anastylosis*, *Translatos*, *Interpretatio* and *Limes*. The themes will be presented through a seminar with readings, a lecture, and a project presentation including a discussion with the author.

Methods

The aim of this course is to debate a set of highly relevant examples of intervention in archaeological sites by prominent authors, chosen to illustrate intervention concepts. These examples allow debate about the aims and results, and disciplinary and extra-disciplinary processes involved in the interventions. The lectures bring debate about highly qualified projects in both disciplines - architecture and archaeology - and broaden the cultural landscape of students.

Assessment

A final individual essay based on a programme for exploring a concept chosen from a previous list, presented orally and discussed.

| February | March | April | May | February | March | April | May |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16 Introduction. Assessment methods and bibliography J. Muralha | 07 Concepts of Landscape Archaeology J. Muralha | 13 Introduction to Landscape Studies – the elements of the territory and the construction of landscape: topography, orography, geomorphology, vegetation J. G. Silva | 04 Landscape projects and interventions in archaeological sites J. G. Silva | 15 Introduction and scope of the course R. Lobo A. Rabaça B. Gil P. Providência | 01 <i>Anastylosis</i> - Case study presentation and discussion: Pedro Alarcão / Forum Conimbriga R. Lobo | 12 Launching of the Practical Exercise / Choosing concepts and readings R. Lobo A. Rabaça B. Gil P. Providência | 03 Reading Seminar on <i>Interpretatio</i> A. Rabaça |
| | 16 The archaeological park J. Muralha | | 11 Landscape Heritage A. Carapinha | 22 Introduction Lecture to the concept of <i>Anastylosis</i> R. Lobo | 08 Reading Seminar on <i>Anastylosis</i> R. Lobo | 19 Interpretatio - Case study presentation and discussion: Luigi Franciosini / The Topographical Discontinuity Between Ancient and Modern City A. Rabaça | 10 Introduction Lecture to the concept of <i>Limes</i> P. Providência |
| | 23 Archaeological Architecture: from the site to the landscape A. Vale | 18 Landscape, productive agrarian landscapes and landscape history (pasture landscapes, types of order in roman agrarian landscapes, etc.) J. G. Silva | 18 Report presentation, and corrections and assessment J. Muralha J. G. Silva | | 15 Introduction Lecture to the concept of <i>Translatos</i> B. Gil | | 17 <i>Limes</i> - Case study presentation and discussion: Vincenzo Latina/ Entrance to the excavations of Artemision in Siracusa P. Providência |
| | 30 Archaeological Architecture: from the landscape to the site A. Vale | 27 Questions of landscape representation J. G. Silva | June | | 22 <i>Translatos</i> - Case study presentation and discussion: G. Byrne / Capela do Tesoureiro at Museu Machado de Castro R. Lobo B. Gil | 26 <i>Interpretatio</i> - Case study presentation and discussion: A. Rabaça | 31 Reading Seminar on <i>Limes</i> P. Providência |
| | | | 06 Final assessment 131 J. Muralha J. G. Silva | | 29 Reading Seminar on <i>Translatos</i> B. Gil | | June |
| | | | | | | 07 Assessment of the course - essay on a chosen concept R. Lobo | |

| February | March | | April | May | | June |
|--------------------------------|-----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 08 reception week | 01 module 2.e, 4.e visit | 23 module 1.e, 3.e | 04 holiday start | 01 | 24 | 01 module 1.e, 3.e |
| 09 | 02 module 1.e, 3.e | 24 | 06 end of holidays | 02 module 1.e | 25 | 02 |
| 10 | 03 | 25 weekend | 07 | 03 module 2.e, 4.e | 26 | 03 weekend |
| 11 weekend | 04 weekend | 26 | 08 | 04 module 1.e, 3.e | 27 weekend | 04 |
| 12 | 05 | 27 | 09 weekend | 05 | 28 | 05 |
| 13 | 06 | 28 module 1.e | 10 | 06 weekend | 29 | 06 module 1.e |
| 14 module 1.e opening conf. | 07 module 1.e | 29 module 2.e, 4.e | 11 module 1.e | 07 | 30 module 1.e | 07 module 2.e, 4.e |
| 15 module 2.e, 4.e | 08 module 2.e, 4.e | 30 module 1.e, 3.e | 12 module 2.e, 4.e | 08 | 31 module 2.e, 4.e | 08 |
| 16 module 1.e, 3.e | 09 visit | 31 | 13 module 1.e, 3.e | 09 module 1.e | | 09 |
| 17 | 10 | | 14 | 10 module 2.e, 4.e | | 10 weekend |
| 18 weekend | 11 weekend | | 15 weekend | 11 module 1.e, 3.e | | 11 |
| 19 | 12 | | 16 | 12 | | 12 |
| 20 | 13 | | 17 | 13 weekend | | 13 |
| 21 holiday | 14 module 1.e | | 18 module 1.e | 14 | | 14 |
| 22 module 2.e, 4.e | 15 module 2.e, 4.e | | 19 module 2.e, 4.e | 15 | | 15 |
| 23 module 1.e | 16 module 1.e, 3.e | | 20 module 1.e, 3.e | 16 module 1.e | | 16 |
| 24 visit | 17 | | 21 | 17 module 2.e, 4.e | | |
| 25 weekend visit | 18 weekend | | 22 | 18 module 1.e, 3.e | | |
| 26 field work | 19 | | 23 | 19 | | |
| 27 module 1.e, 3.e visit | 20 | | 24 | 20 weekend | | |
| 28 module 1.e | 21 module 1.e, 3.e | | 25 holiday | 21 | | |
| | 22 module 2.e, 4.e visit | | 26 module 2.e, 4.e | 22 | | |
| | | | 27 module 1.e, 3.e | 23 | | |

Field Trips to Archaeological Sites and Museums

February 24 morning and afternoon

Museum of Penafiel and Monte Mozinho Castro, with Andreia Azezes

February 25 morning

Foz Coa Museum visit, with Ana Vale and João Muralha

February 25 afternoon

Vila Muralhada of Numão, visit with Miguel Rodrigues, Luis Miguel Correia and João Mendes Ribeiro

February 26 all day

Field work with Hugo Pires and Bruno Caprichoso

February 27 morning

Castelo Velho de Numão visit with Ana Vale and João Muralha

March 1

Visit to Conimbriga, with Pedro Alarcão

March 9

Visit to the Castles of Ourém and Pombal, with João Mendes Ribeiro and Luis Miguel Correia

March 22

Visit to the Museum Machado de Castro and Tesoureiro Chapel with Gonçalo Byrne

Guest Lecturers

Alessandra Ponte, educated as Architect, PhD under supervision of Manfredo Tafuri at IUAV, Full Professor at the Université de Montréal, Montréal, Canada. Alessandra published extensively on landscape - among others *The House of Light and Entropy*, AA London, 2014.

Ana Vale, educated as archaeologist, with a PhD at the University of Porto. Her research has been mainly dedicated to the architecture and ways of organizing space in recent Peninsular Prehistory and gender archaeology and discourse production in Archaeology. Currently a full-time Research Fellow at the University of Porto.

Andreia Azezes, educated as archaeologist, with a PhD at the University of Porto. She's Assistant Professor at Faculty of Arts and Integrated Member at CITCEM. Her research has been mainly focused on early medieval funerary world, on ethnicity studies and historiography of archeology. She's currently responsible for GULFARQ II - a research project in Archaeology, devoted to Castro de Guifões.

Aurora Carapinha, graduated in Landscape Architecture by the University of Évora in 1980, PhD in Landscape Arts and Technics at the same University in 1995. She's currently Professor at the University of Évora, director of PhD Programme in Arts and Technics of Landscape. Researcher at the CHAIA, local partner in the research project "Launching innovation-based Landscape Architecture Training Framework in Europe".

Carles Enrich, the unceasing search of Carles Enrich (BA Architecture, ETSAB, 2005) for an architecture understood as the overlay of layers rooted in the landscape led him to base his ongoing enquiry on teaching, as an associate lecturer in Projects at the ETSAB since 2016. From 2008 to 2017, he taught Projects and Urban Design at the Reus School of Architecture and, in 2015, Projects at the ETSAB. He was also visiting professor in the Extra-Local workshop organised by Columbia GSAPP in 2019, has collaborated on international master's degrees such as the BIARCH in 2012 and the master's degree in Restoration at the UPC in 2014, and directed the Vertical Workshop at the UIC Barcelona School of Architecture in 2018.

Gonçalo Byrne, architect, invited Full Professor at the Universities of Coimbra, Lausanne and Mendrisio, Doctor Honoris Causa by the Technical University of Lisbon in 2005. Principal of GB Architects, Lisbon. Among his much acclaimed and prized work in archaeological contexts, Byrne designed the complete renovation and expansion of the Machado de Castro Museum, a middle age palace built over the former Forum of Aeminium, Coimbra.

Helena Paula Carvalho, is Assistant Professor of History and Archaeology in the History Department of the Institute of Social Sciences of Minho University. Graduated in History/Archaeology by the University of Coimbra in 1984; Master in History by the University of Azores in 1993; PhD in Archaeology (area of Landscape Archaeology) by the University of Minho, in 2008. Helena does research in: Archaeology, Roman

Archaeology, Landscape Archaeology and Rural History. Her most recent publication is 'Landscape markers and cadastral intervention in the territory near Bracara Augusta (Hispania Citerior Tarraconensis).'

Hélène Noizet is a professor of Medieval History at Paris I. She works on urban morphology and analyzes the formation of the urban fabric as a process that constantly brings inherited spaces into play, in permanent interaction with the actors' projects and practices. She recently published the book "Faire ville. Entre planifié et impensé, la fabrique ordinaire des formes urbaines, Saint-Denis, Presses Universitaires de Vincennes", with Anne-Sophie Cléménçon, historian of architecture and urban forms and associated researcher-photographer at UMR5600.

João Gomes da Silva, educated as Landscape Architect, teaches at the Academy of Mendrisio, principal of Global, arquitetura paisagista, Lisbon, Portugal. João participated in numerous design competitions and projects in archaeological sites, bringing his very important landscape expertise.

Luigi Franciosini (Orvieto 1957) is a Research Doctor in Architectural Composition and Professor of Architectural and Urban Design at Università degli Studi Roma Tre. He has directed research in which Architecture is confronted with archeology and ancient landscapes, accompanied by publications in scientific journals and teaching, and has been integrated to the third level training and in architectural design activities in monumental contexts (Complesso dei Mercati di Traiano in Rome). An international approach since 2000, involving Italian and foreign university institutions, led to Franciosini participation as Visiting Professor at Carnegie Mellon University of Pittsburgh USA among other institutions. He is the founder of the Doctorate Architecture, Innovation and Heritage of the Roma Tre University since 2013.

Miguel Rodrigues, Degree in History (1980-1984) and a Master's in Archeology from the University of Porto (1990-1994), Miguel Rodrigues has been an Archaeologist at the Northern Regional Directorate of Culture since September 1987, having accompanied archaeological and heritage works in the region, and in particular in Trás-os-Montes. He have been specialized in strategic planning and cultural policies.

Neli Marda, Studied Architect Engineer NTUA (1978), Athens, and has a Master's Degree Bartlett School of Architecture, U.C.L. (1985), London, and PhD Diploma Bartlett School of Architecture, U.C.L. (1996), London. She teaches Design Studio at Faculty at the School of Architects in the field of Architectural Design, Athens, where she is Full Professor. She is a practicing architect, at Neli Marda Studio.

Paco Alonso, Francisco Alonso de Santos, architect, professor at the Madrid School of Architecture and the Pontifical University of Salamanca, shares his teaching work with architectural creation and experimental research linked to the project to unify construction sciences and trades.

Pedro Alarcão, Coimbra, 1961. Architect (FAUP, 1986), PhD in Architecture (*Building in the Ruin. About the romanised city of Conimbriga*, FAUP, 2009). Design Studio Teacher at FAUP since 1993, and of Project Methodologies in *Advanced Studies in Architectural Heritage* (CEAPA-FAUP). Coordinator of the research line *Atlas of the Ancient Ways and Towns of Portugal* (CEAU-FAUP), and co-founder of the International Centre for Architectural Design and Archaeology (ICADA).

Vincenzo Latina, was born in 1964. In 1989 he graduated in Architecture at the IUAV in Venice. Since 2015 he has been Associate Professor of Architectural and Urban Design at the University of Catania; he has been a lecturer at the Mendrisio Academy of Architecture (USI). He has presented his works in several national and international publications and is frequently invited to show the design and research activity in many exhibitions, conferences and workshops. He has received numerous awards and prizes, among which: the "International Mediterranean Prize, City of Dialogue", promoted by the International Mediterranean Foundation (2020); the "Italian Architect Award 2015", awarded by the National Council of Architects, Landscapers, Planners and Conservatories; the "ARCH&STONE'13 Architecture Award in stone of the new millennium. International Award - 2nd edition" (2012); the "Gold Medal for Italian Architecture 2012" of the Milan Triennale; the "International Award to the Client of Architecture Dedalo Minosse" - under 40 (2004); "The Prince and the Architect" (2003) and "International Award for Stone Architecture 2003"

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