

# **SYLLABUS**

Second Semester 2020/2021

**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
<b>1.e Design Studio B Coimbra: Archaeology and Territory Design</b>	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. F. Gonçalves J. M. Ribeiro L. M. Correia P. Providência	ICAR/ 14 ICAR/ 15	12	300	design studio tutorials, masterclass lectures, seminar, site visits	Design Studio criticism sessions, involving invited architects and archaeologists
<b>2.e Archaeogeography and territory techniques</b>	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.	M. 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
<b>3.e Landscape Archaeology: Architecture and Territory</b>	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
<b>4.e Narratives of Restoration</b>	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.	B. Gil R. Lobo P. Providência A. Rabaça	ICAR/ 14 L-ART/ 04	6	150	conferences, seminars, case studies	submission and discussion of a programme and essay

**Professors**

João Mendes Ribeiro  
 José Fernando Gonçalves  
 Luís Miguel Correia  
 Paulo Providência

**Guest Lecturers**

Graça Vasconcelos  
 João Muralha  
 Jorge Oliveira  
 José António Bandeirinha  
 Vitor Gonçalves

**Tutors**

Pedro Martins

**Schedule**

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 enhancement of archaeological sites from the Chalcolithic and Megalithic ages. Castanheiro do Vento is an archaeological site located in the Alto Douro region, close to the Vale do Côa open air museum and Castelo Velho de Freixo de Numão, deployed on the top of a hill, with a strong landscape presence. Anta Grande do Zambujeiro is one of the largest dolmens of southwest Iberia, located in the Alentejo region, close to the cromlech of Almendres and with visual relationships with the present-day city of Évora. The approach to the interpretation of both sites is made through landscape archaeology.

**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**

Maria da Conceição Lopes

**Guest Lecturers**

Alessandra Ponte  
 Magali Watteaux  
 Miguel Reimão Costa

**Tutors**

Ricardo Cabral

**Schedule**

09:00 - 12:00am

**Aims**

This course gives a set of very precise tools of territorial analysis, contributing to the study of geo-historic subjects; these tools allow students to develop their skills in the analysis of landscape lines of strength, communication axes, hydrographic elements, parcelling plots and habitat.

**Themes**

The themes include land parcelling, *limitatio* and *roman centuriation*, routes and infrastructure design, geology and geomorphology interpretation, context interpretation.

**Methods**

The course is organized with a blend of theoretical classes with practical exercising classes. These latter classes will introduce reading methods on graphic representation in archaeology, cartographic interpretation, archaeological techniques of reading aerial photography, viewsheds and view spots. The readings inform the construction of a compiled chart. 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.

**September**

- 21 Introduction and scope of the design studio.
- 23 Preparation to site visit.
- 28 Site interventions and programme.
- 30

**October**

- 12 Site readings.
- 14 Site Mappings.
- 19
- 21
- 26 First drafts.
- 28 Anta Grande do Zambujeiro - presentation of the structural report
- Graça Vasconcelos

**November**

- 02 Preparation for the critic session.
- 04 Interim design studio critic sessions.
- 09 Adjusting design strategies and developing archaeological and architectural proposals.
- 11
- 16 Developing archaeological and architectural proposals.
- 18 Structural conceptions for protecting archaeological ruins.
- Edgar Brito
- 23 Developing archaeological and architectural proposals
- 25
- 30 Final archaeological and architectural designs.

**December**

- 02 Final archaeological and architectural designs.
- 07
- 09
- 14 Preparation for the final design critic session.
- 16

**January**

- 11 Preparation of the design process.
- 13
- 18 Production of final materials and of the design process and panels.
- 20
- 27 Final critic session and assessment.

**September**

- 22 Introduction and scope of the course.
- C. Lopes
- 29 Archaeogeography, Archaeology, geoarchaeology.
- C. Lopes

**October**

- 13 Archaeogeography and Planimetric Landscapes.
- C. Lopes
- 20 Documents and Method: crossing geology, geo-history, with cartographies and cartographic interpretation.
- C. Lopes
- 27 Urban Fabric.
- C. Lopes

**November**

- 03 O GIS aplyed to archaeology and territory, LIDAR Surveys / Ricardo Cabral.
- C. Lopes
- 10 Domestic architecture and settlement in the central region of Anti-Atlas: conservation of heritage in the perspective of local development.
- M. Reimão Costa
- 17 The Road Network in the Longue Durée: A Reading Key of the History of Territories.
- M. Wateaux
- 24 The Landscapes of the Antiquarians.
- A. Ponte

**December**

- 01 Governing Climate: Maps and Territories.
- A. Ponte
- 08 The Archives of the Planet: Cartography and Human Geography.
- A. Ponte
- 15 Spherology & Spherography: fin-de-siècle cosmographies.
- A. Ponte
- January
- 12 Montreal and the Artificial Intelligence Mandate: From Cartography to Infographics.
- A. Ponte
- 19 SIG chart presentation.
- C. Lopes
- 26 Chart Readings and Final Assessment.
- C. Lopes

**Professors**

João Muralha

**Guest Lecturers**Ana Vale  
Aurora Carapinha  
João Gomes da Silva  
Lara Bacelar Alves**Schedule**

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 (Castanheiro do Vento or Anta Grande do Zambujeiro), through a phenomenological approach, translating the landscape experience, annotations, photographic images and drawings.

**Professors**Armando Rabaça  
Bruno Gil  
Paulo Providência  
Rui Lobo**Guest Lecturers**Gonçalo Byrne  
João Mendes Ribeiro  
Jose Ignacio Linazasoro  
Toni Gironès**Schedule**

14:00 - 17:00pm

**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 the ruin, spolia, stratigraphy and repristination. 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.

September	October	November	December	September	October	November	December
21 Introduction. Assessment methods and bibliography. Landscape Archaeology: conceptualization and historiography. <b>J. Muralha</b>	12 From the archaeological park to the archaeological site. <b>J. Muralha</b>	09 Archaeological Architectures. An approach to the prehistoric site of Castanheiro do Vento (Northern Portugal) <b>Ana Vale</b>	07 Landscape projects and interventions in archaeological sites. <b>J. G. Silva</b>	23 Introduction and scope of the course. <b>A. Rabaça</b>	14 Reading Seminar on <i>Spolia</i> . <b>A. Rabaça</b>	04 Introductory lecture to the concept of Ruins. <b>R. Lobo</b>	02 Reading Seminar on <i>Repristination</i> . <b>P. Providência</b>
28 The landscape of the archaeological park: the study case of Vale do Côa Archaeologic park. <b>J. Muralha</b>	19 A archaeological site, its context, interpretation of constructive morphologies and structures conservation. A case study. <b>J. Muralha</b>	16 Introduction to Landscape Studies – the elements of the territory and the construction of landscape: topography, orography, geomorphology, vegetation. <b>J. G. Silva</b>	14 Landscape Heritage. <b>A. Carapinha</b>	30 Introductory lecture to the concept of <i>Spolia</i> . <b>A. Rabaça</b>	21 Case study presentation and discussion: Gonçalo Byrne presents <i>Forum of Aeminium, Coimbra</i> <b>A. Rabaça</b>	11 Case study presentation and discussion: Jose Ignacio Linazasoro presents <i>Escuelas Pias de Lavapies, Madrid</i> <b>R. Lobo</b>	09 Case study presentation and discussion: João Mendes Ribeiro presents <i>Balnea of S. Pedro do Sul, Coimbra</i> <b>P. Providência</b>
	26 Final remarques: the landscape use. Experience, Drift, Mediation. <b>J. Muralha</b>	23 Landscape, productive agrarian landscapes and landscape history (pasture landscapes, types of order in roman agrarian landscapes, etc.). <b>J. G. Silva</b>	<b>January</b>		28 The practical exercise of the Course. <b>A. Rabaça</b> <b>P. Providência</b>	18 Case study presentation and discussion.	16 Introductory lecture to the concept of <i>Strata</i> . <b>B. Gil</b>
		30 Questions of landscape representation. <b>J. G. Silva</b>	11 North and South in Historic gardens in Portugal. <b>A. Carapinha</b>			25 Introductory lecture to the concept of <i>Repristination</i> . <b>P. Providência</b>	<b>January</b>
			18 Essay presentation and corrections. <b>J. Muralha</b> <b>J. G. Silva</b>				13 Reading Seminar on <i>Strata</i> . <b>B. Gil</b>
			25 Final assessment. <b>J. Muralha</b> <b>J. G. Silva</b>				20 Case study presentation and discussion: Toni Gironès presents IESSO, Leida <b>B. Gil</b>
							27 Essay presentation and final assessment.

September	October		November		December	January
13 reception week	01	24	01	24 module 2.e	01	05 end of holidays
14	02 weekend	25	02 module 1.e, 3.e	25 module 1.e, 4.e	02	06
15	03 field trips	26 module 1.e, 3.e	03 module 2.e	26	03	07
16	04 field trips	27 module 2.e	04 module 1.e, 4.e	27 weekend	04 weekend	08 weekend
17	05 field trips	28 module 1.e, 4.e	05 weekend	28	05	09
18 reception weekend	06 field trips	29 field trips	06	29	06	10 field trips
19	07 field trips	30 weekend	07	30 module 1.e, 3.e	07 module 1.e, 3.e	11 module 1.e, 3.e
20	08 field trips	31	08		08 module 2.e	12 module 2.e
21 module 1.e, 3.e	09 weekend		09		09 module 1.e, 4.e	13 module 1.e, 4.e
22 module 2.e	10		10		10 field trips	14
23 module 1.e, 4.e	11		11		11 weekend	15 weekend
24	12 module 1.e, 3.e		12 field trips		12	16
25	13 module 2.e		13 field trips		13	17
26	14 module 1.e, 4.e		14 weekend		14 module 1.e, 3.e	18 module 1.e, 3.e
27	15		15		15 module 2.e	19 module 2.e
28 module 1.e, 3.e	16		16 module 1.e, 3.e		16 module 1.e, 4.e	20 module 1.e, 4.e
29 module 2.e	17		17 module 2.e		17	21
30 module 1.e, 4.e	18		18 module 1.e, 4.e		18 weekend	22 weekend
	19 module 1.e, 3.e		19		19	23
	20 module 2.e		20 weekend		20 holiday start	24
	21 module 1.e, 4.e field trips		21			25 module 3.e
	22		22			26 module 2.e
	23		23 module 1.e, 3.e			27 module 1.e, 4.e

## Field Trips to Archaeological Sites and Museums

### 03 October 2021

Archaeological sites of São Gabriel and Lapas Cabreiras (pre-historic sites with paintings).

### 04 October 2021

Archaeological sites of Castelo Velho de Freixo de Numão and Castanheiro do Vento (3rd millennium B.C.). Visit guided by João Muralha.

### 05 October 2021

Archaeological sites of Canada do Inferno (Palaeolithic art), visit to the Art and Archaeology Museum of the Côa Valley. Adega do Sável.

### 06 October 2021

Visit to Senhora do Viso and landscape observation of Castanheira do Vento.

### 07 October 2021

Megalithic Museum of Mora. Archaeological sites of Mora, Anta da Lapeira, Cromlech of Fontainhas.

### 08 October 2021

Évora Museum, Archaeological site of Cromlech of Almendres, Brissos and Escoural Caves. Archaeological site of Anta Grande do Zambujeiro. Visit guided by Vítor Gonçalves.

### 09 October 2021

Archaeological site of Anta Grande da Comenda, Reguengos, Olival da Pega, Cromlech of Xerez. Jerónimos Museum exhibition "Ídolos - Olhares Milenares.

### 21 October 2021

Forum of Aeminium and Machado de Castro Museum. Visit guided by Gonçalo Byrne.

### 29 October 2021

Conimbriga Archaeological Site and Monographic Museum. Visit guided by José Ruivo and Pedro Alarcão.

### 12, 13 November 2021

Mértola's archaeological field. Visit guided by Susana Martinez and Virgílio Lopes.

### 10 December 2021

Thermal baths of São Pedro do Sul. Visit guided by João Mendes Ribeiro and Pilar dos Reis.

## Guest Lecturers

**Alessandra Ponte**, trained as an architect, PhD under supervision of Manfredo Tafuri at IUAV, full professor at the Université de Montréal, Montréal, Canada. Alessandra has published extensively on landscape, including *The House of Light and Entropy*, AA London, 2014.

**Alexandre Alves Costa**, trained as an architect, emeritus professor at the University of Porto, principal of Atelier 15, Porto, Portugal. AICA award in 2008, among others. Acclaimed projects in the archaeological site of Egitânia and heritage site of Santa Clara-a-Velha, Coimbra.

**Ana Vale**, trained as an 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.

**António Luis Pereira**, Trained as a historian with a specialization in archaeology from the University of Porto, and a master's in medieval history and archaeology from Nova University in Lisbon. Founder of the Museum of the Rural Memory in Carrazada de Ansiães, he belongs to the graduate staff of the Direcção Regional de Cultura do Norte - DRCN.

**Aurora Carapinha**, graduate in landscape architecture from the University of Évora in 1980, PhD in landscape arts and techniques from the same university in 1995. She is currently professor at the University of Évora, director of PhD programme in Arts and Techniques of Landscape. Researcher at the CHAIA, local partner in the research project "Launching Innovation-Based Landscape Architecture Training Framework in Europe".

**Edgar Brito**, 1984, Coimbra. Edgar Brito is a chartered senior structural engineer from FEUP and has a PhD in architecture candidate from FAUP, where he has taught an experimental structural course for architects since 2018. Previously worked at afaconsult, where he contributed to the design of structures for over 60 projects. He is a principal at Clanet&Brito.

**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 ages palace built over the former Forum of Aeminium, Coimbra.

**Graça Vasconcelos**, trained as a civil engineer, with a master's from the University of Porto and a PhD from the University of Minho. Graça belongs to the U Minho Research Group Historical and Masonry Structures. Her research interests are in structural interpretation of historical constructions, masonry and wood structures; she has published extensively under those topics.

**João Gomes da Silva**, trained as a landscape architect, teaches at the Academy of Mendrisio, principal of Global, arquitetura paisagista, Lisbon, Portugal. João has participated in numerous design competitions and projects in archaeological sites, to which he brings his very important landscape expertise.

**José Ignacio Linazasoro** was born in San Sebastian, Spain, in 1947. He has a bachelor of arts from the School of Architecture of Barcelona (ETSAB) in 1972 and PhD from ETSAB in 1980. He is the chair of projects at the University of Valladolid (1983-97), and has been at the School of Architecture of Madrid (ETSAM) since 1988. Visiting professor at the Institutes of Venice, Polytechnic of Central London, Princeton and Pamplona, amongst others.

**José Ruivo** graduated in archaeology from the University of Coimbra and has a PhD in archaeology from the University of Porto. Director of the Monographic Museum of Conimbriga.

**Lara Bacelar Alves**, trained as an archaeologist, has a PhD from the University of Reading (UK). For 20 years, her research has been dedicated to the social and cultural contexts of rock art. Currently a full-time research fellow at the University of Coimbra.

**Magali Watteaux**, PhD in archaeology from the Université Paris 1 in 2009 under the supervision of Gérard Chouquer on archaeogeography. Post-doc at the University of Coimbra in 2010-2011, since 2013 *Maitre de conférences* in history and archaeology of the middle-ages at the Université Rennes 2.

**Miguel Reimão** Costa trained as an architect and has a PhD from the University of Porto. He is an assistant professor at the University of Algarve where he teaches on the master's programme in landscape architecture and history and heritage.

**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).

**Pilar Reis** graduated and obtained a PhD in archaeology at the University of Coimbra. She is a researcher at the CEAU, University of Porto. Pilar published largely on Roman *balnea* and *therme* in Lusitania.

**Samuel Rama**, PhD in visual arts at (UPV) Valencia, and BA in fine arts at ESAD, C. Rainha, where he has been teacher since 2003. Researcher at LIDA. Samuel divides his activity between sculpture, drawing and photography, rethinking the complex intertwined historical relations between these media and landscape.

**Sérgio Fernandez**, trained as an architect, retired professor at the University of Porto, principal of Atelier 15, Porto, Portugal. AICA award in 2008, among others. Acclaimed projects in the archaeological site of Egitânia and heritage site of Santa Clara-a-Velha, Coimbra.

**Susana Martinez**, PhD at the Universidad Complutense of Madrid in 2004, Susan is researcher at the Campo Arqueológico de Mértola. She is currently professor at the University of Évora. Her research interests focus mainly in Islamic and late medieval archaeology.

**Toni Gironès**, architect, PhD from ETSAB, principal of *estudi d'arquitectura toni gironès saderra*, Barcelona, Spain.

**Virgílio Lopes**, master's in art history at the Nova University of Lisbon in 2003, PhD in archaeology at the University of Huelva in 2014. His research interests focus mainly in late antiquity archaeology and Paleo-Christian architecture, and he has been a member of the Campo Arqueológico de Mértola since 1990.

**Vitor Oliveira Jorge** trained as an archaeologist. He obtained his PhD in pre-history and archaeology (1982) at University of Porto where he was full professor between 1990 and 2011. His recent research is on late prehistoric societies without an organization based on the state. The main subject is the organization of space. He is a researcher at the IHC (Institute of Contemporary History).

**Vitor S. Gonçalves**, born 1946. Educated at the University of Lisbon. Founder and director of the research centre in archaeology UNIARQ - Centro de Arqueologia da Universidade de Lisboa, from 1976 to 2016. Emeritus professor at the University of Lisbon.

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