

SYLLABUS

Second Semester 2019/2020

University of Coimbra



ARCHITECTURE
LANDSCAPE
ARCHAEOLOGY
ERASMUS+
JOINT MASTER

2 EMJMD ALA | Second semester

University of Coimbra

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

Modules	Aims	Professors
1.e Design Studio B Coimbra: Archaeology and Territory Design	A design studio course in architecture and archaeology, based in design exercises on a 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 supporting architectural options of design, and viceversa, where the architectural intentions and sense construction is incorporated in the various forms or archaeological intervention - from preventive archaeology to archaeological reconstruction.	P. Providência J. Mendes Ribeiro
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.	M. C. Lopes C. Martins
3.e Landscape Archaeology: Architecture and Territory	Landscape Archaeology: Architecture and Territory is a theoretical course that deepens common visions of architecture and archaeology, through an anthropological or anthropo-archaeological spatial approach. Taking the experience on the archaeology of bronze and copper settlements, purposes readings that evoke primordial perceptions on the organization of the natural space. The phenomenological approach of the course allows to question both disciplines taking the landscape, the city and the territory as privileged locus of that articulation.	J. Muralha A. Rabaça J. G. Silva
4.e Narratives of Restoration	In regards of Portuguese experience and the 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.	L. M. Correia P. C. Carvalho

Paulo Providência
Local Coordinator

Lúsa Bebiano
Ricardo Cabral
Pedro Martins
Tutors

Scientific disciplinary sectors (SDS)	ECTS	Hours	Didactics	Assessment
ICAR/ 14 ICAR/ 15	12	300	design studio tutorials/ magistral lectures/ seminars/site visits	project and research work/mid-review and final presentation at design studio critic session date
ICAR/ 18 L-ANT/ 07 L-ANT/ 09 L-ANT/ 10	6	150	magistral lectures/tools workshop	submission of an essay and oral presentation/ discussion date
ICAR/ 14 ICAR/ 15 ICAR/ 21	6	150	magistral lectures/ seminars/tools workshop	submission of an essay date
ICAR/ 14 L-ART/ 04	6	150	conferences/seminars/ case studies	submission of an essay date

4 1.e Module | Design Studio Archaeology and Territory Design

Professors

Paulo Providência, João Mendes Ribeiro

Guest Lecturers

Jorge Alarcão, Rui Alfenim, José António Bandeirinha, Manuela de Deus

Tutors

Luisa Bebiano, Pedro Martins, Ricardo Cabral

Aims

The objective of the course is to produce design proposals where the analytical tools of archaeology allow supporting architectural options of design, and viceversa, where the architectural intentions and sense construction is incorporated in the various forms or archaeological intervention - from preventive archaeology to archeological reconstruction.

Themes

Each edition has its own themes, based on interventions in archaeological sites related with territorial and landscape problems. In the first editions, a set of four *Fora* located in villas of the south of Portugal were chosen: Miróbriga, Beja, Mértola and Idanha-a-Velha. These *Fora* do have an important impact in the urban landscape of respective cities.

For the next three editions, design studio will include design studies in archaeological sites located in the south and southwest coast, allowing to develop preventive protection actions; a set of four Villas of the 3rd and 4th century located along the Guadiana river, allowing to develop protective design strategies of archaeological sites located in rural areas; and two territorial areas located in the north of the country, articulated by landscape infrastructures.

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 critics - one interim, and a final session - involving invited architects and archaeologists.

February

1:00pm - 5:00pm

16 Introduction and scope of the design studio

20 Site interventions and programme
P. Providência

25 GIS, an introduction
Trip to Beja, Miróbriga, Mértola, Idanha / Carnaval

27 Mapping fieldtrips
P. Providência

28 Fieldtrip to Miróbriga, Pax Julia, Egítania

29 Fieldtrip to Miróbriga, Pax Julia, Egítania

March

1:00pm - 5:00pm

01 Fieldtrip to Miróbriga, Pax Julia, Egítania

03 Site model preparation

05 Archaeologic problematics
Miróbriga, Idanha
P. Carvalho

10 Site model preparation

12 Archaeologic and architectural objectives for site intervention
P. Providência

17 Site model preparation

19 Archaeologic and architectural objectives for site intervention

24 Site model preparation

26 Design strategy. Case studies in support

31 Model conclusion and model testing of design strategies of design strategies

April

1:00pm - 5:00pm

02 Model conclusion and model testing of design strategies

14 Preparation for the critic session
P. Providência, J. M. Ribeiro

16 Interim design studio critic sessions

21 Adjusting design strategies and developing archaeological and architectural proposals

23 Adjusting design strategies and developing archaeological and architectural proposals

28 Developing archaeological and architectural proposals

30 Model testing of design strategies

May

1:00pm - 5:00pm

05 Model communication of design ideas

07 Graphic communication of design ideas/process

12 Model communication of design ideas

14 Collecting archaeological data for supporting design strategies

19 Preparation of final presentations

21 Production of final materials and of the design process and panels

28 Final assessment

Professors

Maria da Conceição Lopes, Carlos Martins

Guest Lecturers

Miguel Reimão Costa, Bruno Navarro

Aims

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

Themes

The themes of land parcelling, *limitatio* and roman centuriation, routes and infrastructure design, the erosion processes of siltation in the shoreline, context interpretation.

Methods

The course is organized articulating theoretical classes with practical exercising classes. These last classes will introduce reading methods on graphic representation in archaeology, cartographic interpretation, archaeological techniques of reading aerial photography, viewsheds and aviewspots.

Assessment

Group essay related to the topics of the course.

February

10:00am - 13:00am

19 Introduction and scope of the design studio
C. Lopes

26 Trip to archaeological sites Beja, Miróbriga, Mértola, Idanha

March

10:00am - 13:00am

04 Techniques of archaeological digging
C. Lopes

11 Crossing geology, geo-history, with cartographies and cartographic interpretation
C. Lopes

18 History of land parcelling, Forms of landscape, *Limitatio* and roman centuriation; territorial marks of roman centuriatio
C. Lopes

25 The public space of the city - the forum as a model
C. Martins

April

10:00am - 13:00am

01 Graphic representations in archaeology, analogic way
C. Lopes

15 Graphic representations in archaeology, digital way
J. L. Madeira

22 Archaeological techniques of reading aerial photographs
C. Lopes

29 Hydrographic and topographic cartography as a basis for the interpretation of the erosion process and siltation in the shoreline
C. Martins

May

10:00am - 13:00am

06 Territorial road infrastructures: a cartographic interpretation
C. Martins

13 Cartographic interpretation of archaeological data; viewsheds, and visibility spots
R. Cabral

20 The context interpretation in F. Távora. History and Archaeology as disciplines for design
C. Martins

27 Essay presentation and final assessment

6 3.e Module | Landscape Archaeology: Architecture and Territory

Professors

João Muralha, Armando Rabaça

Guest Lecturer

João Gomes da Silva

Aims

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

Themes

Taking the experience on the archaeology of bronze and copper settlements, purposes readings that evoke primordial perceptions on 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 is another theme, as well as the professional approach to landscape archaeology.

The interpretations of architecture and landscape in antiquity, as well as in nineteenth and twentieth century 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

Group essay related with topics of the course.

February

10:00am - 13:00am

19 Introduction and scope of the course
J. Muralha

26 Trip to archaeological sites Beja, Miróbriga, Mértola, Idanha

March

10:00am - 13:00am

04 Historiography of interpretative paths: Landscape Archaeology and Archaeological Parks
J. Muralha

11 From Archaeological Site to Archaeological Park. Contexts, interpretation and preservation of archaeological territorial areas
J. Muralha

18 Case Study: Castanheiro do Vento
J. Muralha

25 Case Study: Foz Côa Archaeological Park
J. Muralha

April

10:00am - 13:00am

01 Landscape archaeology: a professional approach
J. Gomes Silva

15 Case Study: The thermae of S. Pedro do Sul
J. Gomes Silva

22 Case Study: The archaeological site of Saint Géraud, Aurillac
J. Gomes Silva

29 Architecture and Landscape in Antiquity and Classicism
A. Rabaça

May

10:00am - 13:00am

06 Architecture and Landscape in Antiquity and Classicism. Nineteenth and twentieth-centuries interpretations
A. Rabaça

13 Interpreting architecture and landscape through drawing. Exercises about the cases studies of Beja, Miróbriga, Mértola, Idanha
A. Rabaça

20 Interpreting architecture and landscape through drawing. Exercises about the cases studies of Beja, Miróbriga, Mértola, Idanha
A. Rabaça

27 Essay presentation and final assessment

Professors

Luís Miguel Correia, Pedro Carvalho, Rui Lobo

Guest Lecturers

João Branco, Gonçalo Byrne, Susana Constantino, Alexandre Alves Costa, Sérgio Fernandez, Toni Gironès, Paula del Río, Caroline Voet

Aims

Regarding Portuguese experience in the field of heritage interventions, and the international cases to be presented in the cycle of conferences of this subject, the student should 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.

Themes

The themes are articulated with the general themes of each edition of the master; for the first edition, the themes are very much articulated around interventions in *Fora*; for the next issues, the themes will as well follow the general topic of each edition.

Methods

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

Assessment

A final individual essay.

February	March	April	May
10:00am - 13:00am	10:00am - 13:00am	10:00am - 13:00am	10:00am - 13:00am
<p>20 Introduction and scope of the course L. M. Correia, P. Carvalho</p> <p>27 Work Paper Presentation</p> <p>28 Fieldtrip to Mirobriga, Pax Julia, Egítania</p> <p>29 Fieldtrip to Mirobriga, Pax Julia, Egítania</p>	<p>01 Fieldtrip to Mirobriga, Pax Julia, Egítania</p> <p>05 The beautiful Past L. M. Correia</p> <p>12 Forum of Aeminium, Machado de Castro Museum G. Byrne, P. Carvalho</p> <p>19 Sta Clara a Velha monastery, Afurada Museum, Tower at Freixo de Numão A. A. Costa, S. Fernandez</p> <p>26 Conimbriga, Mertola, Beja P. Providência, M. C. Lopes</p>	<p>02 Roman Villa of Rabaçal P. del Rio, J. Branco</p> <p>16 Vaals Monstary, by H. V. der Laan C. Voet</p> <p>23 Roman Theater at Tarragona, Roman Ruins of Can Tacó T. Gironès</p> <p>30 Digital investigations about Santa Cruz Convent R. Lobo</p>	<p>07 Interventions in Castles S. Constantino</p> <p>14 Questions concerning cartographies A. Ponte</p> <p>21 Manique do Intendente R. Lobo, L. M. Correia</p> <p>28 Final presentation of the Work paper L. M. Correia</p>

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February

01 weekend	17
02 weekend	18 module 1.e
03	19 module 2.e, 3.e
04	20 module 1.e, 4.e
05	21
06	22 weekend
07	23 weekend
08 weekend	24 site visit
09 weekend	25 site visit
10	26 site visit
11	27 site visit
12 opening week	28 site visit
13 opening week	29 weekend
14 opening conference	
15 weekend	
16 weekend	

March

01 weekend	17 module 1.e
02	18 module 2.e, 3.e
03 module 1.e	19 module 1.e, 4.e
04 module 2.e, 3.e	20
05 module 1.e, 4.e	21 weekend
06	22 weekend
07 weekend	23
08 weekend	24 module 1.e
09	25 module 2.e, 3.e
10 module 1.e	26 module 1.e, 4.e
11 module 2.e, 3.e	27
12 module 1.e, 4.e	28 weekend
13	29 weekend
14 weekend	30
15 weekend	31 module 1.e
16	

April

01	module 2.e, 3.e	17
02	module 1.e, 4.e	18 weekend
03		19 weekend
04	weekend	20
05	weekend	21 module 1.e
06	holiday	22 module 2.e, 3.e
07	holiday	23 module 1.e, 4.e
08	holiday	24
09	holiday	25 weekend
10	holiday	26 weekend
11	weekend	27
12	weekend	28 module 1.e
13		29 module 2.e, 3.e
14	mid review	30 module 1.e, 4.e
15	mid review	
16	mid review	

May

01		17 weekend
02	weekend	18
03	weekend	19 module 1.e
04		20 module 2.e, 3.e
05	module 1.e	21 module 1.e, 4.e
06	module 2.e, 3.e	22
07	module 1.e, 4.e	23 weekend
08		24 weekend
09	weekend	25
10	weekend	26 exams
11		27 exams
12	module 1.e	28 final review
13	module 2.e, 3.e	29
14	module 1.e, 4.e	30 weekend
15		31 weekend
16	weekend	

Jorge **Alarcão**, educated as Archaeologist, retired Full Professor at the University of Coimbra, Coimbra, Portugal.

Rui **Aldegalega**, educated as Historian, works in the Municipality of Beja, Beja, Portugal.

Rafael **Alfenim**, educated as Archaeologist, works in the Direção Regional de Cultura do Alentejo, Évora, Portugal.

José António **Bandeirinha**, educated as Architect, Full Professor at the Department of Architecture, University of Coimbra, Coimbra, Portugal.

João **Branco**, Architect, principal of Branco del Rio architects, Coimbra, Portugal.

Gonçalo **Byrne**, Architect and Professor of several Universities across Europe and USA, principal of GB architects, Lisbon, Portugal.

Susana **Constantino**, Architect, she belongs to the collective COMOCO architects, Coimbra and Delft, Portugal and Holland.

Alexandre Alves **Costa**, educated as Architect, retired Full Professor at the University of Porto, principal of Atelier 15, Porto, Portugal.

Miguel Reimão **Costa**, educated as Architect, Assistant Professor at the University of Algarve, Faro, Portugal.

Manuela de **Deus**, educated as Archaeologist, works in the Direção Regional de Cultura do Alentejo, Évora, Portugal.

ASSOCIATED PARTNERS

HERITAGE BODIES

MIBAC Soprintendenza Speciale Archeologia Belle Arti e Paesaggio di Roma
Direcção Geral do Património Cultural
Direcção Regional de Cultura do Alentejo (Sphera Castris)
Ministry of Culture of Greece
Direcção Regional de Cultura do Norte
UNESCO Hellas

ARCHAEOLOGICAL SITES

MIBAC Soprintendenza Pompei
MIBAC Parco Archeologico del Colosseo
MIBAC Parco Archeologico dell'Appia Antica
Campo Arqueológico de Mértola

ARCHITECTURAL/ ARCHAEOLOGICAL R INSTITUTES

Institute of Hellenic Architects
German Archaeological Institute of Athens
Chair UNESCO Landscape and Environment
The American School of Classical Studies of Athens
ICOMOS Hellenic

Sérgio **Fernandez**, educated as Architect, retired Associate Professor at the University of Porto, principal of Atelier 15, Porto, Portugal.

Toni **Gironès**, Architect, principal of estudi d'arquitectura toni gironès saderra, Barcelona, Spain.

Bruno **Navarro**, educated as Historian, President of the National Park and Museum of Vale do Coa, Vila Nova de Foz Côa, Portugal.

Alessandra **Ponte**, educated as Architect, Full Professor at the Université de Montréal, Montréal, Canada.

Paula del **Rio**, Architect, principal of Branco del Rio architects, Coimbra, Portugal.

João Gomes da **Silva**, educated as Landscape Architect, teaches at the Academy of Mendrisio, principal of Global, arquitetura paisagista, Lisbon, Portugal.

Caroline **Voet**, Architect, Assistant Professor at Gent - KU Leuven, Belgium.

ASSOCIATED UNIVERSITIES

AIA Academic Initiatives Abroad
 Ethniko Kapodistriako Panepistimio Athinon
 National School of Architecture and Urbanism
 Carthage/ Tunisia
 University of Belgrade/ Serbia
 Baía UF School of Architecture/ Brasil
 Notre Dame University Louaize/ Lebanon
 Universidad Autónoma de Ciudad Juárez/ Mexico

DESIGN OFFICES AND PRIVATE COMPANIES

Anas
 Souto Moura Arquitectos
 Álvaro Siza Arquitecto
 A.N.Tombazis Associates Architects

CO-FUNDED



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PARTNER UNIVERSITIES



SAPIENZA
UNIVERSITÀ DI ROMA



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FEDERICO II



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