

SYLLABUS

First semester

Sapienza, University of Rome



ARCHITECTURE
LANDSCAPE
ARCHAEOLOGY
ERASMUS+
JOINT MASTER

EMJMD ALA

ALA is a postgraduate international and interdisciplinary 2-yrs (120ECT) Erasmus Joint Master Programme in Architecture, Landscape and Archaeology, developed by a consortium of 4 institutions (University of Rome Sapienza, University of Coimbra, National Technical University of Athens, University of Naples Federico II) and associated partners (other universities, governmental and international agencies, museums and archaeological sites, architectural professional offices).

The three partner countries, Italy, Greece, Portugal, represent academic and professional excellence in the fields of architecture, landscape and archaeology at European and global level. Nowadays architects and archaeologists are different professions whose training and education follow diverse paths, regardless the frequent and increasing need for a joint and shared approach especially in the professional challenges (national boards for heritage, conservation companies, architects' offices, etc.).

The ALA Master has therefore the following finalities:

- A fully recognized Joint Degree;
- To encourage interaction between the different professions and a better integration between preservation strategies, planning and contemporary design interventions;
- To form highly specialized experts able to understand and apply the correct analytical, scientific and creative skills for the enhancement of archaeological contexts;
- To bridge academic and job-market needs with the exchange of expertise in a highly innovative research area (Archaeology/Cultural Heritage/Design/Public-Private investments).

Modules	Aims	Professors	Scientific disciplinary sectors (SDS)	ECTS	Hours	Tools	Exams
a. ARCHITECTURAL AND ARCHAEOLOGICAL CULTURE							
1.a The relationship between archaeology and architecture in urban transformation	To outline the role of archaeology in urban transformations and highlight different cultural positions.	A. Capuano, D. Palombi	ICAR 14 L-ANT/07	4	100	lessons/exercise/lab/ site visit/individual study	written test december 16
2.a Landscape and archaeology	To outline the role of unseen past landscapes and promote cultural dissemination connected to landscape heritage.	P. Carafa, F. Morgia	L-ANT/07 ICAR 14	4	100	lessons/exercise/lab/ site visit/individual study	pecha-kucha presentation december 16
3.a Design and archaeology: narratives and techniques	To investigate the role of design in building an archaeological site story telling.	A. Giovannelli, D. Nadali	ICAR 16 L-OR/05	4	100	lessons/exercise/lab/ site visit/individual study	slides presentation + short essay january 7
b. ARCHAEOLOGICAL METHODOLOGIES							
1.b Preventive archaeology and context analysis	To outline the role of preventive archaeology, rescue archaeology, salvage archaeology and context analysis.	A. I. Del Monaco, A. Vanzetti	ICAR 14 L-ANT/01	4	100	lessons/exercise/lab/ site visit/individual study	written test december 17
2.b Archaeological excavation and on field methodologies	To outline the relation between discovery and restoration interventions.	M. T. D'Alessio, D. Esposito	L-ANT/07 ICAR 19	4	100	lessons/exercise/lab/ site visit/individual study	written test january 7
3.b Measured drawings and digital cartography	To provide all instruments necessary to reading, representing, analyzing an architectural/ archeological context.	A. Ippolito, A. Ten	ICAR 17 L-ANT/09	4	100	lessons/exercise/lab/ site visit/individual study	written test january 8
c. ROME WORKSHOP							
1.c Architectural, urban and landscape design in archaeological contexts	Design Workshop for the enhancement of archaeological landscapes in the urban and suburban areas of the city of Rome.	A. Capuano, P. Carafa, A. I. Del Monaco, A. Giovannelli, A. Grimaldi, F. Morgia, D. Palombi	L-ANT/07 ICAR 14 ICAR 16	6	150	seminar/lab/site visit	Mid-reviews and Final Presentation of the project january 24

1.a Module | The relationship between archaeology and architecture in urban transformation

Professors

Alessandra Capuano, Domenico Palombi.

Aims: to outline the role of archaeology in urban transformations and highlight the different cultural positions in modern and contemporary times.

Themes: the birth of archaeology; the relationships between ancient city and contemporary city; urban archaeology and the stratigraphic season; Infrastructures and Archaeology; city and archaeology in three great European capitals: Rome, Athens, Istanbul; the case of Rome (the Fora; the Appia Antica Park, the Aurelian Wall; the Ara Pacis; the Crypta Balbi; Villa Gordiani; infrastructures and archaeology), other international cases (like Mexico City, Mèrida, Beirut, etc.).

Methods and Tools: Introduction to languages and models; Case studies; Site visits; Workshop.

Final Exam: Knowledge of the list of readings and notes taken in class and during site visits to be able to answer from 3 to 6 questions in the test given on Monday December 16.

1.b Module | Preventive archaeology and context analysis

Professors

Anna Irene Del Monaco, Alessandro Vanzetti.

Aims: to outline the role of context analysis and preventive, rescue and salvage archaeology, with respect to urban and territorial transformations, introducing as well different methodologies, global institutional actions, success stories.

Themes: The module will focus upon the Mediterranean and the extra-Mediterranean context, discussing the issues of: International conventions and National regulations, conservation or transformation of landscape and context; strategies for preventive knowledge, risk assessment and strategic planning; field preventive/rescue archaeology; community archeology and production of situated archaeological and historical value.

Methods and Tools: lectures, discussion, selected literature.

Final Exam: Evaluation test, written paper (3-5 pages) on selected argument and oral question on Tuesday december 16.

October	Activity 1 9:00 - 11:00	Activity 2 11:30 - 13:30	Activity 3 15:00 - 17:00	October	Activity 1 9:00 - 11:00	Activity 2 11:30 - 13:30	Activity 3 15:00 - 17:00
07 monday	The city between retrospectives and perspectives A. Capuano	The urban case of the Ara Pacis in Rome D. Palombi	The classical language of architecture: from antiquarianism to archaeology S. Pasquali	08 tuesday	Prevention why and how. A world view. A. Vanzetti	Architectural design as "prevention" procedure A. I. Del Monaco	Workshop
09 wednesday	History of the Imperial Fora S. Pasquali	Architecture for Archaeology: world wide cases M. Segarra Lagunes	Workshop	10 thursday	Public archaeology as a cycle P. Güll	Community Archaeology and Preventive Archaeology E. Zanini	Site visit Rinascente building
11 friday		Republican and Imperial Fora G. Ortolani				Site visit	
14 monday	Rome and the Appia: Ruins Utopia Design A. Capuano	Memory of Antiquity and the Grand Tour C. Di Fazio	Site visit Villa Gordiani C. Di Fazio	15 tuesday	Predictive Modeling: Dutch experience and Mediterranean view P. Martijn van Leusen	International context and charters V. Magar	Site visit Metro C
16 wednesday	Athens A. Sassù	Urban Archaeology G. Facchin V. Di Cola	Site visit Crypta Balbi G. Facchin V. Di Cola	17 thursday	The major infrastructures and archaeology G. Magarò	The growth of preventive archeology in Italy L. Malnati M. G. Fichera S. Martone	Workshop
18 friday		Appia Antica Park A. Capuano				Site visit	
21 monday	Aurelian Wall: urban and suburban space J. Gadeyne	The linear integrated park of the Aurelian Wall A. Criconia	Site visit Excavation at the Basilic of Massentius D. Palombi	22 tuesday	The Great Dam projects and preventive Archaeology F. Balossi Restelli & P. Buzi	Preventive archaeology and Open data G. Gattiglia	INRAP: the French view of Preventive Archaeology Kai-Salas Rossenbach
23 wednesday	Infrastructures and city F. Lambertucci	The Coliseum ticket office and the Amba Aradan station P. Desideri	Workshop	24 thursday	The Auditorium of Rome: preventive archaeology + architecture G. Ricci	Site visit: The Auditorium of Rome and Anna Perenna sacred spring	Workshop
26 saturday		Aurelian Wall Walk J. Gadeyne				Site visit	

2.a Module | Landscape and archaeology

Professors

Paolo Carafa, Federica Morgia.

Aims: Landscape is an integrated reality connecting territories, monuments and objects. It can be defined the largest artifact conceivable by human mind. As a cultural artifact, it expresses cultural history of individuals and communities and a constant flow of changes and continuity. A network of relations constantly re-assessed through time and space defines historical landscapes.

Themes: The relationship between excavations, sites, findings and landscape accommodations; Archaeological Parks; Landscape Archaeology; Relations between archaeological enhancement, biodiversity and local communities; Role of agriculture and Invisible archaeology enhancement.

Methods and Tools: Introduction to Projects and Theory; Case studies; Site visits; Workshop.
Final Exam: Presentation 20x20 Pecha Kucha format (6 minutes, 40 seconds each) in order to focusing one or more topics of the contents of readings and sites visits on December 17.

2.b Module | Archeological excavation and on field methodologies

Professors

Maria Teresa D'Alessio, Daniela Esposito.

Aims: the study and classification of pottery and other kind of finds in order to date the identified sequences and the story that they tell. The data acquired during archaeological research will be the base knowledge for the restoration interventions. Analysis and restoration of monuments are two aspects of the same process that aims to perpetuate the memory of the past.

Themes: Archeological excavation is a complex and unique (as unrepeatable) process that allows to extract clues and information from the ground and turn them into stories. The archaeological approach will allow restoration interventions to consciously respect the authenticity of the remains discovered during excavations.

Methods and Tools: Introduction to Methodologies; Case studies; Sites.
Final Exam: Knowledge of the list of readings and notes taken in class and during site visits to be able to answer from 3 to 6 questions in the test given on Monday January 7.

October/ November	Activity 1 9:00 - 11:00	Activity 2 11:30 - 13:30	Activity 3 15:00 - 17:00	October/ November	Activity 1 9:00 - 11:00	Activity 2 11:30 - 13:30	Activity 3 15:00 - 17:00
28 monday	Landscape of ruins F. Morgia	The archaeological tales of landscapes P. Carafa	Workshop	29 tuesday	From excavation to museum M. T. D'Alessio	Archaeological research for the history of construction D. Esposito	Workshop
30 wednesday	Around Selinunte D. Malfitana	Archaeological Museum and Agricultural Park in El Zahara, Cordoba E. Sobejano	Workshop	31 thursday	Archaeological research on the NE slope of the Palatine A. Ferrandes	Arrangement and valorization on the Palatine site M. Asciutti	Workshop
1 friday		Holiday				Holiday	
4 monday	Reading and understanding heritage landscape C. Imbrogini	Archaeological enhancement and local communities M. C. Capanna	Workshop	05 tuesday	Archaeological research and interpretations at the Portico d'Ottavia F. De Stefano	Restoration and valorization of the Portico d'Ottavia G. Batocchioni L. Romagnoli	Workshop
6 wednesday	Villa Adriana F. G. Cavallero	Designing the UNESCO buffer zone at the Grand Villa Adriana F. Di Carlo A. Giancotti	Workshop	07 thursday	The case of Brescia between tradition and innovation F. Morandini	Covers and other safeguarding systems for ruins protection L. Di Muzio	Workshop
8 friday		Villa Adriana A. Giancotti				Site visit	
11 monday	Contemporary archaeological parks T. Matteini	Role of agriculture and Invisible archaeology enhancement M. C. Capanna	Workshop	12 tuesday	The so-called Tempio di Minerva Medica in the Esquiline landscape M. Barbera S. Barrano	The restoration of the so-called tempio di Minerva Medica M. Magnani	Workshop
13 wednesday	Norba: A "de facto" archaeological park L. Di Noto	Artena archaeological site L. Montuori R. Petrachi	Workshop	14 thursday	Archaeological research at the Domus Tiberiana S. Camporeale	Restoration at the Domus Tiberiana M. G. Filetici F. Coletti	Workshop
15 friday		Norba L. Di Noto				Site visit	

3.a Module | Design and archaeology: narratives and techniques

Professors

Anna Giovannelli, Davide Nadali.

Aims: Investigation and analysis of the design processes for the needs and aims of comprehension, enhancement and narration of an archaeological context, focusing on multi-layered design solutions for archaeology.

Themes: Narrative strategies; design for archaeology: enhancement strategy; close reading of reference texts and archaeological findings; perception of archaeological sites in perspective; making the archaeological site a museum: exhibition and communication of the remains.

Methods and Tools: Concepts and ideas of archaeological context: design proposal; case studies; site visits; workshop.

Final Exam: Slides presentation with short critical essay on January 7.

3.b Module | Measured drawings and digital cartography

Professors

Alfonso Ippolito, Alessandra Ten.

Aims: The module aims at providing the students with all instruments necessary to reading, representing, analyzing an architectural/archeological element in all its different aspects (metric, structural, formal, etc.). Each student will test different survey and digital representation techniques on archeological buildings.

Themes: Survey representation as main instrument to understand archaeological remains; mapping of the surfaces and ancient building techniques; identification of the resistant scheme; evaluation and graphic documentation of masonry cracks; detecting spatial design and its modifications over time; comprehensive reading of data in order to attempt reconstruction. Case studies within the Mediterranean archaeological area.

Methods and Tools: Survey representation for technical analysis, case studies with slides support; exercises for analysis and understanding of ancient remains.

Final Exam: Learning level will be evaluated through a specific test session (3-5 questions) January 8.

November/ December	Activity 1 9:00 - 11:00	Activity 2 11:30 - 13:30	Activity 3 15:00 - 17:00	November/ December	Activity 1 9:00 - 11:00	Activity 2 11:30 - 13:30	Activity 3 15:00 - 17:00
25 monday	Design concepts in international experiences A. Giovannelli	Methods and tools in archaeological context D. Nadali	15:00 - 19:00 - Geometrical foundations of representation - 3D laser scanner , theory + acquisition A. Ippolito, M. Attenni, M. Griffo Workshop	26 tuesday	SFM, theory and data elaboration A. Ippolito M. Attenni M. Griffo	Survey representation to understand ancient architectures A. Ten	Workshop
27 wednesday	The San Giovanni metro station A. Grimaldi	Enhancing the Trajan's markets legacy (lecture + site visit) S. Pastor P. Vigliarolo		28 thursday	3D laser scanner, elaboration A. Ippolito, M. Attenni, M. Griffo	Survey and technical analysis: understanding ancient monuments C. M. Amici	Workshop
29-30 friday - saturday		Site visit A. Ippolito M. Attenni M. Griffo				Ercolano	
02 monday	The Tabernae of Via Biberatica and the Campo Carleo project C. Clemente - Labics	Fragments of the of the past: the need for reconstruction D. Nadali	Lecture C. Mosbach	03 tuesday	Survey data elaboration A. Ippolito M. Attenni M. Griffo	From survey to 3D model: the Trajan's Markets M. Bianchini	Workshop
04 wednesday	The Colosseo square O. Carpenzano	Design for cultural experience: methods and perspectives L. Imbesi	15:00 - 19:00 - Pyrgi etruscan sanctuary - Survey data elaboration A. Ippolito M. Attenni M. Griffo	05 thursday	Middle East ocean of data: aerial archaeology and 3D acquisition C. Inglese P. Cimadomo	The survey as a means for understanding historic masonry P. Vitti	Workshop
6 friday		Palazzo Valentini P. Baldassarri				Site visit	
09 monday	The enhancement of Coenatio Rotunda on Palatino Hill A. Giovannelli	Perception and communication in architecture. F. Buccellati	15:00 - 19:00 - From worksite tracing to digital integrated mode - Survey data elaboration C. Inglese A. Ippolito M. Attenni	10 tuesday	- Rome under Rome. - Survey data elaboration A. Ippolito M. Attenni M. Griffo	Survey in archaeological architecture. Case studies. A. Guaglianone	Workshop
11 wednesday	The dream of space produces forms. Enhancement strategies A. Paredes - Paredespedrosa	Workshop	Workshop	12 thursday	Final presentation of 3D/2D survey data elaboration A. Ippolito, M. Attenni, M. Griffo	Reading bricks and mortar L. Lancaster	Workshop
13 friday		Domus Aurea A. D'Alessio				Site visit	

Architectural, urban and landscape design in archaeological contexts 9-24 January 2020

Professors

A. Capuano, P. Carafa, A. I. Del Monaco, A. Giovannelli, A. Grimaldi, F. Morgia, D. Palombi

Aims: The enhancement of archaeological landscapes in the urban and suburban areas of the city of Rome and its surroundings is the object of the design workshop that takes place at the end of the first semester in Sapienza.

Themes: This year the design exercise will take place in the southern areas of the Appia Antica Park, in the municipality of Marino. The park has recently expanded its perimeter to include archeological sites as Bovillae. The workshop will explore possible ideas of interaction between archaeology, city and landscape and will be developed with the Archaeological Park of the Appia Antica, the Regional Park of the Appia Antica and the Municipality of Marino.

Methods and Tools: **Tools:** The workshop will spread out the whole semester with preparatory sessions organized in the afternoons of the regular teaching schedule and will enable students to acquire the basic knowledge of the study area. A Design Charrette will be held during two weeks with intense and full time work (weekends included) dedicated to develop a project in transdisciplinary teams.

Final Exam: Mid-reviews and Final Presentation of the project (January 24).



	Thursday 9	Friday 10	Saturday 11	Sunday 12
9:00	Opening conference	Site visit	Workshop activities	Workshop activities
13:00	Lunch break	Lunch break	Lunch break	Lunch break
14:00	Workshop activities		Workshop activities	Workshop activities
18:30				
20:00				
	Friday 17	Saturday 18	Sunday 19	Monday 20
9:00	Workshop activities	Workshop activities	Workshop activities	Workshop activities
13:00	Lunch break	Lunch break	Lunch break	Lunch break
14:00	Workshop activities	Workshop activities	Workshop activities	Workshop activities
18:30	Conference			
20:00				

	Monday 13	Tuesday 14	Wednesday 15	Thursday 16
	Workshop activities	Workshop activities	Workshop activities	Mid-review
	Lunch break	Lunch break	Lunch break	Lunch break
	Workshop activities	Workshop activities	Workshop activities	Workshop activities
		Conference	Conference	
	Tuesday 21	Wednesday 22	Thursday 23	Friday 24
	Workshop activities	Workshop activities	Workshop activities	Powerpoint
	Lunch break	Lunch break	Lunch break	Lunch break
	Workshop activities	Workshop activities	Workshop activities	Final review
	Conference		Projects submission	

EMJMD ALA | First semester

October				November				December				January			
1	accomodation	17	module 1.b	1	holiday	17	weekend	1	weekend	17	exams	1	holiday	17	workshop
2	opening conference	18	site visit	2	weekend	18	break	2	module 3.a	18	holiday	2	holiday	18	workshop
3	opening conference	19	weekend	3	weekend	19	break	3	module 3.b	19	holiday	3	holiday	19	workshop
4	accomodation	20	weekend	4	module 2.a	20	break	4	module 3.a	20	holiday	4	holiday	20	workshop
5	weekend	21	module 1.a	5	module 2.b	21	break	5	module 3.b	21	holiday	5	holiday	21	workshop
6	weekend	22	module 1.b	6	module 2.a	22	break	6	site visit	22	holiday	6	holiday	22	workshop
7	module 1.a	23	module 1.a	7	module 2.b	23	break	7	weekend	23	holiday	7	exams	23	workshop
8	module 1.b	24	module 1.b	8	site visit	24	break	8	weekend	24	holiday	8	exams	24	final review
9	module 1.a	25	free	9	weekend	25	module 3.a	9	module 3.a	25	holiday	9	workshop	25	weekend
10	module 1.b	26	site visit	10	weekend	26	module 3.b	10	module 3.b	26	holiday	10	workshop	26	weekend
11	site visit	27	weekend	11	module 2.a	27	module 3.a	11	module 3.a	27	holiday	11	workshop	27	mobility
12	weekend	28	module 2.a	12	module 2.b	28	module 3.b	12	module 3.b	28	holiday	12	workshop	28	mobility
13	weekend	29	module 2.b	13	module 2.a	29	site visit	13	site visit	29	holiday	13	workshop	29	mobility
14	module 1.a	30	module 2.a	14	module 2.b	30	weekend	14	weekend	30	holiday	14	workshop	30	mobility
15	module 1.b	31	module 2.b	15	site visit			15	weekend	31	holiday	15	workshop	31	mobility
16	module 1.a			16	weekend			16	exams			16	mid review		

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