

Semester	Cycle	Elective Curricular Units (translation) <small>(shared between courses and advanced studies programmes)</small>	ECTS	Type	Professors	Knowledge Area	Potential Regarding Rethink <small>(none; basic; good; essential)</small>
1	2C / 3C	PAPER ARCHITECTURE AND SUSTAINABLE MATERIALS	1,5 / 5	ELECTIVE	Mário Kong, Pedro Januário	Drawing	none
1	2C / 3C	Architecture And History Of Construction	1,5 / 5	ELECTIVE	Madalena Cunha Matos	Architecture	none
1	2C / 3C	BIM	1,5 / 5	ELECTIVE	Francisco Agostinho	Computation	good
1	2C	City And Climate Change Adaptation	1,5	ELECTIVE	João Pedro Costa	Architecture / Urbanism / Social Sciences	essential
1	2C	Construction in Wood	1,5	ELECTIVE	Paulo Almeida	Building Technology	basic
1	2C / 3C	Object Critique	1,5 / 5	ELECTIVE	Centeno Jorge, Maria Calado, Rita Almendra	Theory	none
1	2C / 3C	CULTURE AND SUSTAINABLE URBAN DEVELOPMENT	1,5 / 5	ELECTIVE	Graça Moreira	Social sciences	good
1	2C / 3C	HUMAN FIGURE DRAWING/NAKED MODEL	1,5 / 5	ELECTIVE	Armando Caseirão	Drawing	none
1	2C / 3C	3d scanning - Close Range	1,5 / 5	ELECTIVE	Paulo Bártolo, Helena Bártolo	Computation	basic
1	3C	3d scanning - Wide Range	5	ELECTIVE	Luis Mateus, Victor Ferreira	Computation	good
1	2C / 3C	Urban And Territorial Intervention Forms	1,5 / 5	ELECTIVE	João Pedro Costa	Architecture / Urbanism / Social Sciences	essential
1	2C / 3C	Geotechnics and Foundations in Ancient Buildings	1,5 / 5	ELECTIVE	António Morais	Building Technology	none
1	2C / 3C	Evaluation and Management of Building, Urban and Regional Environment	1,5 / 5	ELECTIVE	Jorge Ribeiro, Susana Ganhão	Building Technology	good
1	2C	Urban Management	3	ELECTIVE	José Luis Crespo	Urbanism	good
1	2C / 3C	Shape Grammars	1,5 / 5	ELECTIVE	Luis Romão, José Pinto Duarte	Computation	basic
1	2C / 3C	History of Scenic Arts	1,5 / 5	ELECTIVE	Maria João Neto	History	none
1	2C	IMAGE INTERPRETATION: CONTEMPORARY PRACTICES	1,5	ELECTIVE	João Figueira	Architecture (Theory)	none
1	2C / 3C	Introduction To Geographic Information Systems	1,5 / 5	ELECTIVE	Cristina Henriques	Social sciences / Computation	good
1	2C	Lisbon Metropolis – Projects and Paths in the City	1,5	ELECTIVE	Carlos Ferreira	Architecture / Urbanism	none
1	2C / 3C	Materials and Traditional Construction Technologies	1,5 / 5	ELECTIVE	Jorge Bastos	Building Technology	good
1	2C / 3C	VISUAL PROCEDURES UPON THE ARCHITECTURAL SPACE	1,5 / 5	ELECTIVE	Alexandra Ai Quintas	Drawing / Theory	none
1	2C / 3C	Housing Spaces: Architecture and Urbanism - Comparing Portugal and Brazil	1,5 / 5	ELECTIVE	Tânia Ramos	Architecture / Urbanism	basic
1	3C	Programming for Architecture	5	ELECTIVE	António Leitão	Computation	good
1	2C / 3C	ARCHITECTURAL CONSERVATION, RESTORATION AND REHABILITATION PROJECT I	1,5 / 5	ELECTIVE	José Aguiar, Fernando Salvador	Architecture	good
1	2C / 3C	URBAN RENEWAL OF HISTORIC URBAN AREAS - KNOWLEDGE AND DIAGNOSIS	1,5 / 5	ELECTIVE	João Sousa Morais, Flávio Lopes	Architecture / Urbanism	good
1	2C / 3C	MANAGEMENT AND LEGAL PROTECTION OF THE ARCHITECTURAL HERITAGE	1,5 / 5	ELECTIVE	Flávio Lopes	Architecture / Law	basic
1	2C	Coastal Areas Requalification	1,5	ELECTIVE	Isabel Rosa, Miguel Baptista Bastos	Urbanism	good
1	2C / 3C	Space Syntax	1,5 / 5	ELECTIVE	Francisco Serdoura , Victor Ferreira	Urbanism / Computation	essential
1	3C	URBAN SUSTAINABILITY	5	ELECTIVE	Carlos Alho	Urbanism	essential
1	2C	Plastic Expression Techniques for Architectural Design	1,5	ELECTIVE	Ana Guerreiro	Drawing	none
1	2C	Roman tradition in the Construction of Cultural Landscape	1,5	ELECTIVE	Isabel Rosa, Centeno Jorge	Urbanism	none
1	2C	Flow Visualization	1,5	ELECTIVE	Ana Leonor Rodrigues	Drawing	none
2	2C / 3C	The Wish Machine	1,5 / 5	ELECTIVE	Ana Leonor Rodrigues	Drawing	none
2	2C / 3C	Computer Animation	1,5 / 5	ELECTIVE	Carlos Figueiredo	Computation	none
2	3C	VISUAL ANTHROPOLOGY	5	ELECTIVE	Maria João Durão	Drawing / Theory	none
2	2C	Earth Architecture	1,5	ELECTIVE	Centeno Jorge, Luísa Reis Paulo	Architecture	good
2	2C	Filmed Architecture	1,5	ELECTIVE	Centeno Jorge, Daniel Jesus	Architecture (Theory)	none
2	2C / 3C	Useless Architectures	1,5 / 5	ELECTIVE	Margarida Louro, Frrnaciso Oliveira, Fernando More	Architecture	none
2	2C / 3C	URBAN SCENOGRAPHY	1,5 / 5	ELECTIVE	Maria João Neto	Architecture (Theory)	none
2	2C / 3C	Coordination and Technical Harmonization of Building Designs	1,5	ELECTIVE	António Morais, João Pardal Monteiro	Building Technology	none
2	2C	Color and Environments: Drawing in the City	1,5	ELECTIVE	Ana Guerreiro	Drawing	none
2	2C	Drawing The Alternative-Lisbon	1,5	ELECTIVE	Pedro Janeiro	Drawing	none
2	3C	Site Management	5	ELECTIVE	Fernando Pinheiro	Building Technology	basic
2	2C	Entrepreneurship	1,5	ELECTIVE	Carlos Oliveira Santos	Social sciences	good
2	2C / 3C	Advanced Digital Fabrication	1,5 / 5	ELECTIVE	Paulo Bártolo, Helena Bártolo, José Pinto Duarte	Design / Computation	essential
2	2C / 3C	Tools for Analysis and Simulation	1,5 / 5	ELECTIVE	Luis Romão	Computation	essential
2	2C / 3C	Mathematical Bases For Computation	1,5 / 5	ELECTIVE	Jorge Ribeiro, Susana Ganhão	Computation	essential
2	2C	Urban Management	1,5	ELECTIVE	José Luis Crespo	Urbanism	essential
2	2C / 3C	Human Figure Illustration/Naked Model	1,5 / 5	ELECTIVE	Armando Caseirão	Drawing	none
2	2C	Technical English	1,5	ELECTIVE	Paulo Almeida	Language	none
2	2C / 3C	PUBLIC ART - ACTING IN THE URBAN SPACE	1,5 / 5	ELECTIVE	Alexandra Ai Quintas	Drawing / Theory	none
2	2C	LABORATORY OF EXPERIMENTAL ARCHITECTURE - EXPERIMENTAL HOUSING	1,5	ELECTIVE	Ana Marta Feliciano, António Leite	Architecture	basic
2	2C	Light and Color	1,5	ELECTIVE	Dulce Loução, João Pernaó	Theory	none
2	2C	Spatial Modeling In Geographic Information Systems	1,5	ELECTIVE	Cristina Henriques	Urbanism / Computation	essential
2	2C / 3C	MEDIA AND COMMUNICATION	1,5 / 5	ELECTIVE	Carlos Figueiredo	Drawing / Computation	essential
2	2C / 3C	Pathologies in Traditional Construction	1,5 / 5	ELECTIVE	Jorge Bastos, António Morais	Building Technology	basic
2	2C / 3C	URBAN POLICIES, GOVERNANCE AND THE CITY	1,5 / 5	ELECTIVE	João Cabral	Urbanism / Social sciences	essential
2	2C / 3C	URBAN RENEWAL OF HISTORIC URBAN AREAS - POLICIES AND TOOLS	1,5 / 5	ELECTIVE	João Sousa Morais, Flávio Lopes	Architecture / Urbanism	essential
2	2C / 3C	PROJECT OF SISMIC RECUPERATION	1,5 / 5	ELECTIVE	Jorge Bastos, Francisco Oliveira, António Morais	Building Technology	good
2	2C / 3C	Design and Digital Fabrication	1,5 / 5	ELECTIVE	José Nuno Beirão, Pedro Januário	Design / Computation	good
2	2C	Digital Design	1,5	ELECTIVE	Francisco Agostinho	Design / Computation	good
2	2C / 3C	Parametric Urban Design	1,5 / 5	ELECTIVE	José Pinto Duarte, José Nuno Beirão	Design / Urbanism / Computation	essential
2	2C / 3C	Urban Rehabilitation	1,5 / 5	ELECTIVE	Carlos Alho	Urbanism	good
2	2C / 3C	Virtual Environments for Design	1,5 / 5	ELECTIVE	Joaquim Jorge, José Pinto Duarte	Computation	basic
2	2C	URBAN AND ARCHITECTURAL REQUALIFICATION	1,5	ELECTIVE	Isabel Rosa, Miguel Baptista Bastos	Architecture / Urbanism	good
2	2C / 3C	Techniques of Conservation, Restoration and Rehabilitation	1,5 / 5	ELECTIVE	Jorge Bastos, António Morais	Building Technology	basic
2	2C / 3C	Image Theory	1,5 / 5	ELECTIVE	Centeno Jorge	Theory	none
2	2C / 3C	THEORY OF HERITAGE AND ARCHITECTURAL CONSERVATION	1,5 / 5	ELECTIVE	Pedro Abreu, Paulo Pereira	Theory / History	none
2	2C / 3C	Harmonious Tracings	1,5 / 5	ELECTIVE	Mário Kong	Theory	none
2	2C / 3C	Contemporary Urbanism	1,5 / 5	ELECTIVE	Sofia Morgado	Urbanism	basic
2	2C / 3C	Urban Cultures and Architecture	1,5 / 5	ELECTIVE	Madalena Cunha Matos	Architecture / Urbanism	basic
2	3C	Ergonomics in Design	5	ELECTIVE	Francisco Rebelo	Design	none
2	3C	Aesthetics of Structural Shapes	5	ELECTIVE	António Morais	Building Technology	none
2	3C	Management and Marketing in Design	5	ELECTIVE	Carlos Oliveira Santos	Design	basic
2	3C	Project Management	5	ELECTIVE	Fernando Pinheiro	Building Technology	good
2	3C	History and Critique of Modernity	5	ELECTIVE	Michel Toussaint	History	basic
2	2C / 3C	Design Laboratory	3,0 / 10	ELECTIVE	Carrilho da Graça, Filipa Roseta	Architecture	none
2	3C	RESEARCH METHODOLOGIES IN ARCHITECTURAL HISTORY	5	ELECTIVE	Leonor Ferrão	Theory / History	none
2	3C	ONTOLOGY AND PHENOMENOLOGY OF ARCHITECTURE AND THE CITY	5	ELECTIVE	Pedro Abreu	Theory / History	none
2	3C	ARCHITECTURAL CONSERVATION, RESTORATION AND REAHABILITATION PROJECT II	5	ELECTIVE	Fernando Salvador, José Aguiar	Architecture / Urbanism	good
2	3C	WORKSHOP II: CONSERVATION OF HISTORIC URBAN AREAS IN LISBON	5	ELECTIVE	João Sousa Morais, Flávio Lopes	Architecture / Urbanism	basic