



Study Plan

School: School of Sciences and Technology

Degree: Master

Course: Landscape Architecture (cód. 635)

1st Year - 1st Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
PAO09163M	Visual Studies	Visual Arts	3.5	Semester	91
PAO09164M	Landscape Planning I	Landscape Arts and Techniques	11.5	Semester	299
ERU09165M	Geographical Information Systems	Rural Engineering	2.5	Semester	65
PAO09166M	Landscape Aesthetics	Philosophy	2.5	Semester	65
PAO09167M	Landscape Design I	Landscape Arts and Techniques	10	Semester	260

1st Year - 2nd Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
PAO09169M	Landscape Design II	Landscape Arts and Techniques	10	Semester	260
PAO09170M	Landscape Planning II	Landscape Arts and Techniques Economy Sociology	11.5	Semester	299
PAO09168M	Landscape Ethic	Philosophy	2.5	Semester	65

Options

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
PAO09579M	Contemporaneity and Landscape Architecture	Landscape Arts and Techniques	3.5	Semester	91
PAO09580M	Rehabilitation of Landscape Heritage	Landscape Arts and Techniques	3.5	Semester	91
PAO09581M	Discourse and Practices on the Use of Vegetation in Landscape Architecture	Landscape Arts and Techniques	3.5	Semester	91
PAO12246M	Studio I	Landscape Arts and Techniques	6	Semester	156
PAO12247M	Studio II	Landscape Arts and Techniques	6	Semester	156
PAO10626M	Environmental Assessment	Environment and Ecology Sciences	3	Semester	78
PAO10622M	Geobotanics	Environment and Ecology Sciences	6	Semester	156
PAO12248M	Planning and Management of Ecological Systems	Environment and Ecology Sciences	6	Semester	156
Free Option					

2nd Year - 3rd Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
PAO09171M	Seminar in Landscape Architecture	Landscape Arts and Techniques	7.5	Semester	195



2nd Year - 3rd Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
Options					
Component code	Name	Scientific Area Field	ECTS	Duration	Hours
PAO09579M	Contemporaneity and Landscape Architecture	Landscape Arts and Techniques	3.5	Semester	91
PAO09580M	Rehabilitation of Landscape Heritage	Landscape Arts and Techniques	3.5	Semester	91
PAO09581M	Discourse and Practices on the Use of Vegetation in Landscape Architecture	Landscape Arts and Techniques	3.5	Semester	91
PAO12246M	Studio I	Landscape Arts and Techniques	6	Semester	156
PAO12247M	Studio II	Landscape Arts and Techniques	6	Semester	156
PAO10626M	Environmental Assessment	Environment and Ecology Sciences	3	Semester	78
PAO10622M	Geobotanics	Environment and Ecology Sciences	6	Semester	156
PAO12248M	Planning and Management of Ecological Systems	Environment and Ecology Sciences	6	Semester	156
Free Option					
Dissertation					
Project Work					
Report					

2nd Year - 4th Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
Dissertation					
Project Work					
Report					

Conditions for obtaining the Degree:

*** TRANSLATE ME: Para conclusão do curso é necessário a aprovação (através de avaliação ou creditação) das seguintes unidades curriculares:

1.º Ano

1.º Semestre:

5 UC obrigatórias num total de 30 Ects

2.º Semestre:

3 UC obrigatórias num total de 24 Ects

UC optativa conforme Opção 1 do quadro n.º 4 num total de 6 ECT

2.º Ano

3.º Semestre:

1 UC obrigatórias num total de 7.5 Ects

UC optativa conforme Opção 2 do quadro n.º 4 num total de 6 ECT

Para obtenção do grau, é necessário também a aprovação na Dissertação, Relatório de Estágio ou Trabalho de Projecto, com um total de 45 ECTS, no 3.º e 4.º Semestre. ***

Program Contents

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Visual Studies (PAO09163M)



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Landscape Planning I (PAO09164M)

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Geographical Information Systems (ERU09165M)

- 1 - Project objectives and key issues to resolve. {\}
2. Methodology of the project. {\}
3. Project data. {\}
4. Analysis and discussion of project results. {\}
4. Analyze and evaluate the rigor associated with the project. {\}
5. Presentation of the project.

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Landscape Aesthetics (PAO09166M)

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Landscape Design I (PAO09167M)

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Landscape Design II (PAO09169M)

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Landscape Planning II (PAO09170M)

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Landscape Ethic (PAO09168M)

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Contemporaneity and Landscape Architecture (PAO09579M)



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Rehabilitation of Landscape Heritage (PAO09580M)

- The cultural, phenomenological and aesthetics dimension of the landscape features.
- The landscape as cultural representation: the landscapes of production and protection, the symbolic and the pleasure landscape. Conceptual and typological spaces of landscape with heritage value. These contents will be offered according to the following themes:
- The Identity dimension of the landscape
- Landscape Heritage dimension (Cultural and Natural)
- Recovery of Landscapes
- Evolution of concepts
- Dangers that threaten the integrity of historic gardens
- Philosophy and methodology of recovery of historic gardens
- Presentation and discussion of case - study.
- National and international legal framework

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Discourse and Practices on the Use of Vegetation in Landscape Architecture (PAO09581M)

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Studio I (PAO12246M)

1. Landscape design methodology, the place and landscape design program, project strategy, typologies and landscape design characteristics;
2. Relationship between the functional organization, physical setting and global structure (natural and cultural) : spaces, paths and edges; vegetation, topography, water and inert elements;
3. Instruments of design: freehand sketch, technical draw, model, oral communication and poster.

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Studio II (PAO12247M)

Characterization and synthesis of the landscape structure and morphology through the identification of its biographical components: ecologic basis (hydrologic, geomorphologic, bioclimatic and vegetation system, agricultural and forestry capacity, land use capacity) cultural basis, socio-affective and historical basis (policies, ideologies, technologies, emotional experiences, signs. . .).

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Environmental Assessment (PAO10626M)

1. The concepts of environmental assessment - environmental concept, evaluation concept - the cycle of project, planning and management
2. The environmental assessment concept in the frame of the sustainability concept - environmental assessment as a process of internalisation of environmental costs
3. EIA legal framework: national and EU legislation. Other national models, Relations with the planning and permit processes..
4. EIA phases: screening, scoping, reference situation, impact evaluation and mitigation, Environmental Impact Declaration, post evaluation (monitoring and auditing) Public participation
5. Impact evaluation and prediction methodologies, Universes of impact, Impact aggregation. EIA methodologies and mitigation methodologies.
6. Certification and auditing
7. Risk analysis. Outrage
8. Main types of environmental impacts.
9. Impacts on flora, fauna, vegetation and habitats.



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Geobotanics (PAO10622M)

Ecological factors that influence the adaptation and distribution of plants and phytocoenosis

Bioclimatology and Biogeography

Methods to study vegetation (phytosociological methodology) and analysis of plant communities

Landscape (Phytosociology Integrated): Series and Geoseries

Conservation and Management of the Vegetation Heritage

Applied phytosociology

Recovery of degraded areas: particular case-studies

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Planning and Management of Ecological Systems (PAO12248M)

MANAGEMENT PROCESSES FOR ECOLOGICAL SYSTEMS

The processes of management; organization / administration; Planning; Project; Implementation, Maintenance, monitoring, education and public involvement

MANAGEMENT OF AREAS WITH ECOLOGICAL SIGNIFICANCE

The management concept in areas with ecological interest; notion of sustainable development, NATURA 2000, National system of protected areas

MODELS OF ECOLOGICAL SYSTEMS MANAGEMENT

Environmental management plans, evaluation criteria in protected areas (rarity, diversity, fragility, stability, cultural, planning and management framework) buffer areas, management by fire and grazing, ecological corridors, definition of core areas for conservation, floristic values, ability to regenerate gradients of equilibrium, disturbance risks, factors of risk (fire, invasion).

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Seminar in Landscape Architecture (PAO09171M)