

MUNICIPAL PLANNING (Código UC: 1465, 1616)

Degree: 2nd cycle – Landscape Architecture
Curricular Year: 1º Semester: 1º

Academic year 2024/2025

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Scientific coordinator: Prof. Ana Luísa Soares

Professors: Prof. Ana Luísa Soares (alsoares@isa.ulisboa.pt), Prof. Selma Pena (selmapena@isa.ulisboa.pt), Prof. Maria Matos Silva (mmatossilva@isa.ulisboa.pt)

1. Contact hours:

Lectures: 28 (2h/week)
Studio: 56 (4h/week)

2. Schedule:

Lectures – Friday 10h30 to 12h30, S2 (Prof. Selma Pena)
Studio – Wednesday 8h30 to 12h30 Herbário (Prof. Ana Luísa Soares (alsoares@isa.ulisboa.pt), Prof. Selma Pena*(selmapena@isa.ulisboa.pt) (Prof. Maria Matos Silva (mmatossilva@isa.ulisboa.pt)
**only between 10h30-12h30*

3. Objectives:

This subject aims to prepare students comprehensively, covering all aspects of landscape planning. It equips students to coordinate and/or participate in teams involved in preparing Municipal Planning Masterplans at their different scales (ranging between scales 1/25,000 and 2,000). The course encourages a critical approach to municipal masterplans, including criticism of REN, RAN and current masterplan maps and regulations. It also prepares students to design the landscape according to the ecological demands of different human activities, integrating the cultural and ecological networks. Regarding the existing Portuguese planning system, the intervention corresponds to the Landscape Planning Municipal Plans (PDM, PU, PP).

4. Program:

In theoretical classes, the cultural, formal and political-administrative components of landscape planning are comprehensively covered. This includes the urban and rural landscape conception theory in several periods, with an emphasis on the post-modern and contemporary times. After an introduction with the conductive thread of the hermeneutic of the landscape's conception, made by the lecturer, each student studies an author and presents it. Then, there is a critical debate about the various authors. The legal instruments of Territorial Planning are also studied - The legal Regime of Urbanization and Building (RJUE), the Legal Regime of Territorial Management Instruments (RJIGT) and complementary legislation. This comprehensive coverage ensures that students are well-prepared and confident in their understanding of the subject.

- The conception of urban and rural landscape in pre-modernism
- Conception of the urban and rural landscape in modernism
- The design of urban and rural landscapes in post-modernism
- The current methodologies of landscape design - planning by structures/systems in the urban landscape (Ecological network, water cycle, soil conservation, reduction of flood risk by Landscape planning)
- The current methodologies of landscape design - planning by structures/systems in rural landscape (Ecological network, Water Cycle, Soil Conservation, fire risk reduction by Landscape planning)
- Soft mobility strategies in the urban landscape
- Landscape Planning in Sustainable Development Goals and Ecosystem Services

- The legal instruments of Landscape planning
- Discussion, critical approach, reflection on texts and films (round table)

In studio classes, intervention proposals are studied at a scale of 1/25000 (PDM) and 1/10000 (PU) in groups and developed individually at a scale of 1/2000 (PP). The work is developed using GIS and Sketch. It developed the Concept of Intervention at scales 1/25000, 1/10000 and 1/2000 and criticism of the PDM in force.

5. Bibliography

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Main:

- Magalhães, M. R., 2001, *A Arquitectura Paisagista - morfologia e complexidade*. Editorial Estampa, Lisboa.
- Magalhães, M. R., Abreu, M.M., Lousã, M., Cortez, N., 2007, *Estrutura Ecológica da Paisagem. Conceitos e Delimitação – Escalas Regional e Municipal*, ISAPress, Lisboa.
- Magalhães, M. R. (coord), 2013. *Estrutura Ecológica Nacional. Uma proposta de delimitação e regulamentação*. ISAPress, ISBN: 978-972-8669-53-9.
- Magalhães, M. R. (coord), 2016. *Ordem Ecológica e Desenvolvimento. O Futuro do Território Português*. ISAPress, ISBN: 978-972-8669-64-5.
- Giro, C., Imhof, D., 2017. *Thinking the Contemporary Landscape*. Princeton Architectural Press, New York.

Complementar:

- Choay, F., 1965, *L'urbanisme, utopies et réalités*, Éditions du Seuil, Paris.
- Cunha, N.S., Magalhães, M. R., Domingos, T., Abreu, M. M., Withing, K. (2018). The land morphology concept and mapping method and its application to mainland Portugal, *Geoderma*, 325: 72-89. [Doi: 10.1016/j.geoderma.2018.03.018]
- Cunha, N.S., Magalhães, M. R. (2019). Methodology for mapping the national ecological network to mainland Portugal: A planning tool towards a green infrastructure, *Ecological Indicators* 104C: 802-818. [Doi: 10.1016/j.ecolind.2019.04.050]
- Lamas, J., 1992, *Morfologia Urbana e Desenho da Cidade*, Textos Universitários de CSH, Fundação Calouste Gulbenkian/ Junta Nacional de Investigação Científica e Tecnológica, Lisboa.
- Magalhães, M.R., Batista, F.O., Cunha, N., Müller, A, Pena, S.B., Silva, J., Leitão, M., 2012. O Ordenamento do Território na Prevenção dos Incêndios Rurais in Tedim, F. , Paton D. (eds), 2012. *A dimensão humana dos incêndios florestais* pp 55-99. *Estratégias Criativas*, Porto
- Mollison, B., 1988, *Permaculture. A Designers' Manual*, Tagari Publications, Australia
- Molchanov, A. A., *Hidrologia Florestal*, 1963, Fundação Calouste Gulbenkian, Lisboa, 1971
- Pena, S.B., Magalhães, M.M., Abreu, M.M., 2018. Mapping headwater systems using a HS-GIS model. An application to landscape structure and land use planning in Portugal. *Land Use Policy* 71: 543-553. DOI: 10.1016/j.landusepol.2017.11.009
- Pena, S.B., Abreu, M.M., Magalhães, M.M., 2016. Planning landscape with water infiltration. Empirical model to assess maximum infiltration areas in Mediterranean Landscapes. *Water Resources Management* 30: 2343-2360. DOI:10.1007/s11269-016-1291-0.
- Pena, S.B., Abreu, M.M., Magalhães, M.R., Cortez, N., 2019. Water erosion aspects of land degradation neutrality to Landscape Planning Tools at National Scale. *Geoderma*
- Pregill, P.; Volkman, N., 1993, *Landscapes in history. Design and planning in the Western tradition*. Van Nostrand Reinhold, New York.
- Ragon, M., 1986, *Histoire de l'architecture et de l'urbanisme modernes*. Vol.1-3. Éditions du Seuil, Paris.

6. Evaluation

Assessment with a continuous component (paragraph b) paragraph 4 of the General Rules of Knowledge Assessment)

Frequency: The frequency is obtained by the following:

- a) Review and presentation of a book
(the book is chosen by the student and accepted by Prof. Selma Pena - see Appendix)

Evaluations:

- a) Exam - 50%.
- b) Presentation and critical review of a book - 10%.
- c) Presentations of the different phases of the practical work - 40%. [(1) phase 40%; (2) phase 40%; (3) phase 20%]

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Minimum mark in all components - 10

7. Hours of attendance for students:

Prof. Selma Pena: Friday from 2 pm-3 pm (send email to arrange)

8. Presentation/Evaluation Schedule

Studio:

The studio is developed in three phases:

- (1) Municipality: Presentation of the work developed at a scale of 1:25000, including cultural and ecological network understanding, perceptions, intervention concept, and intervention proposal (work to be developed in groups of 3 to 4 students per group) – October 23, 2024
- (2) Parish from the Municipality: Presentation of the study of landscape typologies, urban ecological network and presentation of the Image Plan proposal (1:10000), PDM in force critique (work to be developed in groups of 3 to 4 students per group) – November 27, 2024
- (3) Area: Delivery of Individual work at a scale of 1:2000 (selection of area in the case study), calculation of urban planning indices – 20 December 2024

Theory:

- round table session (critique)
- 22 November 2024: submission of a critical review of the chosen book, a maximum of five pages
- 6, 13 and 20 December: presentation of the book critical review

Appendix - Booklist

(Indicative only, each student must make his choice based on the consultation of books in bookstore/library architecture/urbanism sections, with 1st edition after 1940)

1. Non-places, Marc Augé
2. Atmosferas, Peter Zumthor
3. Elogio da Sombra, Junikito Tarizaki
4. A Invenção da Paisagem, Anne Cauquelin
5. A Arquitectura da Cidade, Aldo Rossi
6. Da organização do Espaço, Fernando Távora
7. Projecto e Utopia, Manfredo Tafuri
8. Genius Loci, Norberg Schulz
9. Antropologia do Espaço, Filomena Silvano
10. A Sociedade do Espectáculo, Guy Debord
11. A Fenomenologia, Lyotard
12. A cidade, Massimo Cacciari
13. A Cidade e o Urbanismo, Jean-Paul Lacaze
14. A Imagem da Cidade, Kevin Lynch
15. Arte e Técnica, Lewis Mumford
16. A Ideia Construída, Campos Baeta
17. A Paisagem Urbana, Gordon Cullen
18. O significado da Cidade, Carlo Aymonino
19. Território da Arquitectura, Vittorio Gregotti
20. Novos Princípios do Urbanismo, François Ascher
21. O espaço limite – produção e recepção em arquitectura, Jorge Cruz Pinto
22. Imaginar a evidência, Álvaro Siza Vieira
23. Tempos Hipermodernos, Gilles Lipovetsky e Sébastien Charles
24. Urbanismo Contemporâneo, Hans Maubach
25. A Era do Vazio, Gilles Lipovetsky
26. Architecture and Disjunction, Bernard Tschumi
27. Introdução ao Pensamento Complexo, Edgar Morin
28. O Pós-Modernismo explicado às crianças, Jean-François Lyotard
29. A cidade e o arquitecto, Benevolo
30. Do Tempo da Paisagem, Henrique Pereira dos Santos
31. Arquitectura e Design, ecologia e ética, Victor Papanek
32. The New Ecological Order, Luc Ferry
33. A Revolução de Uma Palha, Masanobu Fukuoka