

Course Unit	Land Use Planning		Field of study	Land Planning	
Bachelor in	Environmental Engineering		School	School of Agriculture	
Academic Year	2022/2023	Year of study	3	Level	1-3
Type	Semestral	Semester	1	ECTS credits	6.0
Code	9099-309-3104-00-22				
Workload (hours)	162	Contact hours	T 30	TP -	PL 30
			TC -	S -	E -
			OT 20	O -	

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) Marina Maria Pedrosa Meca Ferreira Castro

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

1. To recognize Land-use planning relevance, while addressing different thematic regarding land use planning systems with special emphasis on the Portuguese institutions and Plans.
2. Students should achieve a set of competences including the ability to participate the development of land use and strategic plans.
3. To interact with the planning process from different kind of institutions and to develop complementary participatory processes.
4. Students should develop autonomous and team working skills, with the development of technical solutions in a real world context.

Prerequisites

Before the course unit the learner is expected to be able to:

Basic knowledge on environmental processes and its repercussion on land use planning.

Course contents

1- Introduction to Land Use 2 – Brief history of Land Use Planning 3 – Concepts and Definitions 4 – The Planning Process 5 – Land Use Planning Instruments 6- Public Participation 7 – Land Use – the Portuguese Perspective. 8. strategic environmental assessment.

Course contents (extended version)

1. Presentation
 - Landscape Planning Concept.
2. Landscape Planning History;
 - The city and the urban planning;
 - Post-Industrial Land Use Planning;
 - Land Use Planning Methods Evolution;
 - Land Use Planning in Portugal.
3. Land Use Planning Concepts:
 - Environmental and Resources Planning;
 - Sustainable Development;
 - Uses, Activities and Functions;
 - Land Use Classification;
 - Spatial Units and NUTS.
 - Carrying capacities and limits;
 - Land aptitude and use capacity;
 - Land use Limitations;
 - Land Use Planning Concept.
4. Planning:
 - Evolution of Land Use Planning;
 - Rational Planning;
 - Image Mapping Plans;
 - Strategic Planning;
 - Local Agenda 21.
5. Portuguese Land Use Plans:
 - Typologies and objectives of Land Use Management Tools;
 - National Plans;
 - Regional Plans;
 - Sub-Regional Plans;
 - Local Plans;
 - Other Land Use Regulations;
 - Local Land Use standards.
6. Public Participation:
 - The importance of Public Participation;
 - Public Participation Methods.
7. Land Use Policy in Portugal (an overview):
 - Institutions;
 - Major Land Use features;
8. Practical Activities:
 - Reporting;
 - Participation Methods;
 - SWOT Analysis;
 - Role Playing Game;
 - Land Use Plans Presentation

Recommended reading

1. Goitia, Fernando Chueca. (1997). Breve Historia del Urbanismo. Madrid: Alianza Editorial, S. A.
2. Direcção Geral do Ordenamento do Território e Desenvolvimento Urbano. (1988). Carta Europeia do Ordenamento do Território. Lisboa. Comissão das Comunidades Europeias.
3. Partidário, Maria do Rosário (1999). Introdução ao Ordenamento do Território. Universidade Aberta, Lisboa.
4. Medeiros, C. A. (Direcção) (2005-2006) – Geografia de Portugal, Círculo de Leitores, 4 volumes, Lisboa.
5. DGOTDU. (2013). Servidões e restrições de utilidade pública: Direcção-Geral do Ordenamento Urbano e Desenvolvimento do Território.

Teaching and learning methods

The classes assume a theoretical-practical approach, with the predominance of the practical component, as the students are engaged in autonomous team work, in order to provide a context for a student-centered learning process, in which the student is stimulated to develop oriented study, to develop of technical documents and perform practical activities in real context.

Assessment methods

1. Alternative 1 - (Regular, Student Worker) (Final, Supplementary, Special)
 - Final Written Exam - 40% (Exam)
 - Practical Work - 60% (Three group practical works and one individual work, all with oral presentation.)
2. Alternative 2 - (Student Worker) (Final, Supplementary, Special)
 - Final Written Exam - 50% (Exam)
 - Practical Work - 50% (An individual assignment submitted by the last week of classes)

Language of instruction

Portuguese, with additional English support for foreign students.

Electronic validation

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12-12-2022	19-12-2022	20-12-2022	21-12-2022