



FICHA DE UNIDADE CURRICULAR

Unidade Curricular

201999314 - TECNOLOGIAS DO ESPAÇO PÚBLICO

Tipo

Optativa

Ano lectivo

2019/20

Curso

Doutoramento Arquitetura

Ciclo de estudos

3º

Créditos

5.00 ECTS

Idiomas

Português ,Inglês

Periodicidade

semestral

Pré requisitos

Ano Curricular / Semestre

Área Disciplinar

Tecnologias da Arquitetura, Urbanismo e Design

Horas de contacto (semanais)

Teóricas	Práticas	Teórico práticas	Laboratoriais	Seminários	Tutoriais	Outras	Total
0.00	0.00	1.50	0.00	0.00	0.00	0.00	1.50

Total Horas da UC (Semestrais)

Total Horas de Contacto
21.00

Horas totais de Trabalho
140.00

Docente responsável (nome / carga lectiva semanal)

Francisco Manuel Camarinhas Serdoura

Outros Docentes (nome / carga lectiva semanal)

Francisco Manuel Camarinhas Serdoura 1.50 horas

Jorge Manuel Tavares Ribeiro 1.50 horas

Objetivos de aprendizagem (conhecimentos, aptidões e competências a desenvolver pelos estudantes)

A Unidade Curricular (UC) *Tecnologias do Espaço Público* (TEP), aborda conceitos, políticas, estratégias, ações e metodologias de natureza multidisciplinar, aplicáveis na 'transformação' do espaço público das cidades do século XXI. A UC visa a integração de ferramentas de análise, síntese, simulação de cenários, e, avaliação de contextos no domínio do urbanismo, enquanto processo que desenvolve soluções

inovadores, de apoio à decisão para problemas complexos, colocados ao espaço urbano público pelo quotidiano das pessoas.

Conteúdos Programáticos / Programa

O conteúdo programático da unidade curricular está organizado da seguinte forma:

1. Espaço público, vida pública
 - a. Noções de espaço público;
 - b. Componentes e características do espaço público;
 - c. Princípios e objetivos de intervir no espaço público.
2. Políticas e estratégias de desenvolvimento do espaço público
 - a. Programas, legislação e normas;
 - b. Escalas de intervenção;
 - c. Natureza e processo de implementação.
3. Planeamento urbano e territorial e a 'produção' do espaço público
 - a. As dimensões urbanas do espaço público;
 - b. Espaço público, criatividade e competitividade das cidades;
 - c. A influência do ambiente construído no desenho do espaço público.
4. Vida pública urbana
 - a. Utilizadores e atividades humanas no espaço público;
 - b. Espaço público e a inclusão / exclusão social;
 - c. Segurança e a 'privatização' do espaço público;
5. Mobilidade urbana e a 'transformação' do espaço público
 - a. O 'fim' da dependência automóvel nas cidades do século XXI;
 - b. A bicicleta como 'novo' modo de mobilidade em meio urbano;
 - c. Espaços de circulação pedonal: O conceito de 'Walkability'.
6. Espaço público na cidade informal
 - a. Espaço público 'Informal' *versus* espaço público 'Formal';
 - b. Componentes e características do espaço público nos assentamentos informais;
 - c. Atividades humanas no espaço público em assentamentos informais.
7. Aulas temáticas
 - a. Tema 1 - Políticas e estratégias - Políticas e estratégias 'cicláveis': O caso de Lisboa
 - b. Tema 2 - Planeamento urbano e territorial
 - c. Tema 3 - Forma urbana
 - d. Tema 4 - Vivência urbana
 - e. Tema 5 - Mobilidade

 - f. Tema 6 - Espaço público informal

Demonstração da coerência dos conteúdos programáticos com os objetivos de aprendizagem da unidade curricular

Os conteúdos teórico-práticos da UC consagram um conjunto de temáticas para dar suporte às noções e à reflexão sobre os desafios que se colocam à arquitetura e ao urbanismo no contexto das novas exigências de execução de projetos de espaço público, assim como, aos principais aspetos técnicos do exercício da atividade profissional, especialmente no que respeita ao enquadramento e viabilidade dos projetos na qualificação da cidade.

As temáticas de enquadramento e a procura de soluções inovadoras serão aplicadas em aulas teórico-práticas, com o desenvolvimento de um caso de estudo pelos alunos, através da exploração de soluções em exercícios práticos que permitem consolidar os conhecimentos adquiridos.

Metodologias de ensino (avaliação incluída)

A avaliação é realizada de forma contínua e acompanhada no tempo de contacto em aula.

Constituem elementos de avaliação a participação e interesse demonstrados em aula, bem como assiduidade e pontualidade.

A avaliação contínua resulta da combinação ponderada dos seguintes elementos:

Componente Teórico-Prática- 100%

: Exercício 1 - 30%;

: Exercício 2 - 70%.

Para ser dispensado de exame a avaliação dos trabalhos práticos tem de ser igual ou superior a 10 valores em ambos os exercícios.

O Exame da Unidade Curricular é constituído pela entrega e apresentação dos Exercícios Práticos.

Nos Exames de época normal, época de recurso e época especial, aplicam-se as mesmas regras e ponderações da avaliação contínua.

Demonstração da coerência das metodologias de ensino com os objectivos de aprendizagem da unidade curricular

As aulas teórico-práticas consagram um conjunto de temas para dar suporte às noções e à reflexão sobre os desafios que se colocam ao desenho do espaço público, no contexto das novas exigências do bem estar das pessoas e do desenvolvimento integrado dos territórios urbanos, assim como, aos principais aspetos técnicos do exercício da atividade profissional, especialmente no que respeita ao enquadramento e à viabilidade das soluções desenvolvidas pela arquitetura e pelo urbanismo.

Os temas de enquadramento e a execução de soluções serão aplicadas nas aulas práticas, com o desenvolvimento de pequenos exercícios, nos domínios da arquitetura e do urbanismo

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Bibliografia Complementar

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CURRICULAR UNIT FORM

Curricular Unit Name

201999314 - Public Space Technologies

Type

Optativa

Academic year

2019/20

Degree

Doutoramento Arquitetura

Cycle of studies

3º

Year of study/ Semester

5.00 ECTS

Lecture language

Português ,Inglês

Periodicity

semestral

Prerequisites

Unit credits

Scientific area

Tecnologias da Arquitetura, Urbanismo e Design

Contact hours (weekly)

Tehoretical	Practical	Theoretical-practicals	Laboratory	Seminars	Tutorial	Other	Total
0.00	0.00	1.50	0.00	0.00	0.00	0.00	1.50

Total CU hours (semestrial)

Total Contact Hours

21.00

Total workload

140.00

Responsible teacher (name /weekly teaching load)

Francisco Manuel Camarinhas Serdoura

Other teaching staff (name /weekly teaching load)

Francisco Manuel Camarinhas Serdoura 1.50 horas
Jorge Manuel Tavares Ribeiro 1.50 horas

Learning objectives (knowledge, skills and competences to be developed by students)

The Curricular Unit **Technologies for Public Space** (TPS) explores concepts, policies, strategies, actions and methodologies of multidisciplinary nature, which are applicable in the 'transformation' of public space in 21st century cities. The curricular unit aims to combine tools for analysis, synthesis, simulation of scenarios, and evaluation of phenomena of urban design, as a tool to develop innovative solutions, decision support for complex problems, placed in public urban space in everyday life.

Syllabus

The syllabus of the curricular unit is organized as follows:

1. Public space, public life
 - a. Notions of public space;
 - b. Components and characteristics of the public space;
 - c. Principles and objectives of intervening in the public space.
2. Policies and strategies for the development of the public space
 - a. Programs, legislation and standards;
 - b. Scales of intervention;
 - c. Nature and process of implementation.
3. Urban and territorial planning and the 'production' of the public space
 - a. The urban dimensions of public space;
 - b. Public space, creativity and competitiveness of cities;
 - c. The influence of the built environment on the design of the public space.
4. Urban public life
 - a. Users and human activities in the public space;
 - b. Public space and social inclusion / exclusion;
 - c. Security and the 'privatization' of public space;
5. Urban mobility and the 'transformation' of the public space
 - a. The 'end' of automobile dependency in cities of the 21st century;
 - b. The bicycle as a 'new' mode of urban mobility;
 - c. Pedestrian circulation spaces: The concept of 'Walkability'.
6. Public space in informal city
 - a. 'Informal' Public space vs 'Formal' public space;
 - b. Components and characteristics of public space in informal settlements;
 - c. Human activities in the public space in informal settlements.
7. Thematic classes
 - a. Theme 1 - Policies and strategies - Cyclable policies and strategies: The case of Lisbon
 - b. Theme 2 - Urban and territorial planning
 - c. Theme 3 - Urban form
 - d. Theme 4 - Urban living
 - e. Theme 5 - Mobility
 - f. Theme 6 - Informal public space

Demonstration of the syllabus coherence with the curricular unit's learning objectives

The theoretic and practical contents of the classes reflect a number of issues to support notions and reflection of the challenges facing the architecture and urban design in the context of new requirements of

public spaces project developments, as well as the main technical aspects of the exercise of the profession, especially with regard to the context and viability of the improvement of public life.

The thematic framework and looking-for inventing solutions will be applied in theoretic-practical classes, with the development of a case-study by the students, with the performance and exploration of tools in practical exercises that allow to confirm the acquired knowledge.

Teaching methodologies (including evaluation)

The evaluation is carried out continuously and accompanied by the time of contact in class.

The participation and interest shown in the class are evaluated, as well as attendance and punctuality.

Continuous assessment results from a weighted combination of the following elements:

Theoretical - Practical Component - 100%

: Exercise 1 - 30%

: Exercise 2 - 70%

To be excused from the exam the valuation of the practical work must be equal to or higher than 10 values for both exercises.

The Exam of the Curricular Unit comprises the delivery and presentation of the Practical Exercises.

Regarding evaluation the rules and weighting factors to be considered are those applied during the continuous evaluation regardless of the evaluation season (regular, supplementary or special).

Demonstration of the coherence between the Teaching methodologies and the learning outcomes

The theoretic-practical lectures reflect a number of issues to support notions and reflection on the challenges that are facing the present-day public space projects in the context of the new requirements for the well-being of the population, as well as the main technical aspects of the exercise of the practice of professional activity, especially regarding with regards to the innovated solutions developed by the architecture and urban design.

The themes framework and the implementation of solutions will be applied in practical classes, with the development of practical exercises, in the different areas of architecture and urban design.

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