

Sustainable Rural and Urban Planning

Code: 106781
ECTS Credits: 6

Degree	Type	Year	Semester
2504604 Environmental Sciences	OB	2	2

Contact

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Teaching groups languages

You can check it through this [link](#). To consult the language you will need to enter the CODE of the subject. Please note that this information is provisional until 30 November 2023.

Prerequisites

No requirement is required.

Objectives and Contextualisation

This course has three main objectives:

First, to analyze the socio-environmental dimension of current urban and dynamics and their future trends.

Secondly, to know and reflect on the main instruments of public intervent planning of the territory and the management of its resources, using concepts of economic viability applied to different territorial scales.

Finally, deepen the development of the necessary skills to be able to pro

environmentally adapted and socially just solutions in relation to current and future problems that characterize the evolution of the territory and, in particular, of the urbanized space.

Learning Outcomes

- CM42 (Competence) Analyse the ethical implications or implications related to diversity and democratic values involved in the different strategies of territorial management and/or environmental conflict resolution.
- KM53 (Knowledge) Distinguish public policies and the main policy-making mechanisms in relation to environmental management.
- KM56 (Knowledge) Recognise advanced tools for the management of environmental problems such as the sustainable development objectives, the circular economy, degrowth and environmental negotiation.
- SM52 (Skill) Pinpoint the most important methodologies in territorial planning and management.

Content

- Rurs vs. Urbs: countryside and city in the tradition of urban and territorial planning.

From urban extensions to the garden-city.

- Rural and urban spaces in the context of the current post-metropolis.

From the 'urbanization of the countryside' to the 'dispersed regional urbanization'.

- Territorial dynamics and spatial transformation in the rural world

(evolution in three moments, XIX to XXI centuries):

- a) Support territories of the urban process;
 - b) Rurbanization;
 - c) Environmental rural tourism and energy production (energyscapes).
- Territorial dynamics in relation to urbanized spaces (evolution in three r

XIX to XXI centuries):

- a) The industrial city;

- b) Metropolitan areas;
- c) Dispersed regional urbanization.
- Sustainable planning: sustainability, resilience and climate change as

current requirements for urban and territorial planning.

- Sustainability criteria for rural spaces today.
- Sustainability criteria for urban spaces today.
- From sustainability to the 'Low-Carbon' and 'Post-oil' perspectives:

towards 'climate-proof' urban and rural spaces.

Methodology

- The expositive classes (directed activity) also incorporate discussion on text readings and

debates regarding the key aspects of the subject.

- The applied classes (directed and supervised activity) refer to the practi

exercises to be carried out in groups during the course,

emphasizing the resolution of practices and the elaboration of results.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			

Lessons (readings presentations and discussions included)	36	1.44	CM42, KM53, KM56, SM52, CM42
Tutorials & hands-on sessions (exercises and fieldtrips included)-Seminars	12	0.48	KM56, SM52, KM56
Type: Supervised			
Tutorial	7	0.28	CM42, KM53, KM56, SM52, CM42
Type: Autonomous			
Essays elaboration (group work)	45	1.8	KM56, SM52, KM56
Study work	50	2	CM42, KM53, KM56, SM52, CM42

Assessment

- The theoretical written tests correspond to the two partial exams that are proposed

during the course.

- The tests and tasks of a practical nature correspond to the partial elaborations that

will be required during the practical sessions and exercises of the subject (group work).

- The delivery of reports and assignments correspond to the final elaboration of

the results of the practical group work.

- A minimum qualification of 5 is established in regard to the theoretical written

tests (average grade considering the two partial exams proposed).

- The recuperation will consider both the theoretical written tests and the

practical applied tests when indicated.

- To be able to attend the reassessment (recovery), you must have attended

2/3 of the subject's assessment activities.

Single evaluation

- The students who have taken advantage of the single evaluation modality

must take a final test that will consist of a theory exam in which

they must develop a topic and answer a series of short questions.

Next, you will have to do a problem test where you will have to solve

a series of exercises similar to those that have been worked on in

the Classroom Practice sessions.

- The student's grade will correspond to the weighted average of the three previous activities, where the theory exam will represent 60% of the mark and the problems exam 40%.

- If the final grade does not reach 5, the student has another opportunity to pass the subject through the recovery exam that will be held on the date set by the coordination of the degree.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Assignments (exercises and hands-on practical tasks)	25%	0	0	KM56, SM52
Essays to be submitted	25%	0	0	KM56, SM52
Exams on theoretical aspects	50%	0	0	CM42, KM53, KM56, SM52

Bibliography

Bibliography

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- Estevan, A.; Naredo, J. M. (2004). *Ideas y propuestas para una nueva política del agua en España*. Bilbao: Bakeaz.
- Fernández Durán, R. (2006). *El Tsunami urbanizador español y mundial*. Bilbao: Marcial Pons.
- Folch, R. (coord.) (2003). *El territorio como sistema. Conceptos y herramientas de ordenación*. Barcelona: Diputació de Barcelona.
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- Gifreu, J. (2012). *L'ordenació urbanística a Catalunya*. Barcelona: Marcial Pons.
- Hopkins, R. (2008). *The transition handbook: from oil dependency to local resilience*. Vermont: Chelsea Green.
- Ivancic, Aleksandar (2010) *Energyscapes*. Gustau Gili: Barcelona.
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- Muñoz, Francesc (2008) *Urbanización: paisajes comunes, lugares globales*. Gustau Gili, Barcelona.
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- Nel·lo, O. (dir.) (2010). *La política de paisatge a Catalunya*. Barcelona: Departament de Política Territorial i Obres Públiques.
- Nel·lo, O. (2012). *Ordenar el territorio. La experiencia de Barcelona y Cataluña*. València: Tirant lo Blanch.
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- Riba, Carles (2011). *Recursos energètics i crisi. La fi de 200 anys irrepitibles*. Barcelona: Universitat Politècnica de Catalunya.
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World Cities Report (2020). *The Value of Sustainable Urbanization*. UNHABITAT.

Internet links (digital documents and webpages)

The City Journal.

<https://www.city-journal.org/>

The European Union Prize for Contemporary Architecture (Mies van der Rohe Award by the Mies van der Rohe Foundation, Barcelona):

<https://eumiesaward.com/archive>

SOS Brutalism (German Architecture Museum, Frankfurt):

<http://www.sosbrutalism.org/cms/15802395>

<https://www.dam-online.de>

The Historic Chart of Barcelona (Museum of History of Barcelona, MUHBA).

<https://ajuntament.barcelona.cat/museuhistoria/en/>

The Prelinger files:

<https://archive.org/details/prelinger?tab=collection>

The European Prize for Urban Public Space:

www.publicspace.org

Comments on the visual representation of the modern city (Gustave Caillebote):

<https://www.youtube.com/watch?v=7lQepko6yzE>

'Industrial urbanization and urban change'.

<https://www.coursera.org/lecture/urban-development/industrial-urbanisation-and-urban-change-m3UD5>

'The making of the industrial city as a social structure'.

<https://www.coursera.org/lecture/urban-development/the-making-of-the-industrial-city-as-a-social-structure-oeEd>

Software

Basic user-level programming: text editing, spreadsheet, basic digital cartography, basic tools for the presentation