

30739 - Urbanism 4

Syllabus Information

Academic Year: 2019/20
Subject: 30739 - Urbanism 4
Faculty / School: 110 -

Degree: 470 - Bachelor's Degree in Architecture Studies

ECTS: 6.0
Year: 5
Semester: First semester
Subject Type: Compulsory
Module: ---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The learning process designed is based on two different sessions:

Theory sessions: weekly, it is developed a program with theoretical lessons. Supplementary there is available material on Moodle: cartography, bibliography, specific dossiers, etc. The students will develop in parallel a case study aimed at strengthening the key concepts.

Practical sessions: develop territorial planning and landscape planning documents: plans, projects, reports, etc

4.2.Learning tasks

The learning process is based on the self work of students, advised by teachers. Every week the work is checked.

Theory sessions: In addition to the theoretical lessons, a series of works supervised by the professors can be realized. These works will allow the students to deepen in the fundamental concepts of the thematic blocks.

Practical sessions: A weekly follow-up is carried out in the student's work workshop, with the possibility of additional tutorials.

4.3.Syllabus

A - The city and the natural environment.

01. Urbanism and environmental sustainability.
02. Urban ecosystem (microclimate, sunlight, wind, drainage, etc.)
03. The agricultural land.
04. The territorial preexistences in the city.

B - Regional and Landscape planning.

05. Territory, landscape and environment.
06. Notions of ecology (physical environment, ecosystems, biodiversity, vegetation, etc.)
07. The hydrological component (fluvial network, aquifer, drainage, flooding, etc.)
08. The sociocultural component (heritage, public use, participation, etc.)
09. Analysis and design tools (cartography, SIG, CAD, etc.)
10. Legal framework and instruments of regional planning.

C - Revitalization and renaturalization processes.

11. Conceptual bases: from the urban tradition to landscape ecology.
12. Landscape Projects.
13. Green infrastructures.

4.4. Course planning and calendar

-**Theory sessions:** throughout the course, taught in a coordinated manner with the supervised works and workshop activities.

-**Autonomous work:** from the third session and throughout the course.

-**Practical sessions:** weekly sessions, of at least two hours, throughout the course.

-**Travel or visits:** at least one, in the initial phase of the workshop.

Key dates: at least a partial delivery during the first half of the subject and a final delivery.

4.5. Bibliography and recommended resources

- **Books:**

? Díez Medina, Carmen y Monclús, Javier (eds.). 2017. *Visiones urbanas. De la cultura del plan al urbanismo paisajístico*. Madrid: Abada editores. / Díez Medina, Carmen y Monclús, Javier (eds.). 2018. *Urban Visions. From Planning Culture to Landscape Urbanism*. Cham: Springer.

? Fariña Tojo, J. 1998. *La ciudad y el medio natural*. Madrid: Akal.

? McHarg, Ian L. 2000. *Proyectar con la naturaleza*. Barcelona: Gustavo Gili. / McHarg, Ian L. 1969. *Design with Nature*. New York: American Museum of Natural History [by] the Natural History Press.

? Mostafavi, Moshen (ed.). 2014. *Urbanismo Ecológico*. Barcelona: Gustavo Gili. / Mostafavi, Moshen (ed.). 2010. *Ecological Urbanism*. Cambridge/Baden: Harvard University Graduate School of Design/Lars Müller Publishers.

? T.T. Forman, Richard. 1995. *Land Mosaics: The Ecology of Landscapes and Regions*. New York: Cambridge University Press.

? Waldheim, Charles. 2006. *The Landscape Urbanism Reader*. Princeton Architectural Press.

Journals:

Paisea, Topos: European Landscape Magazine y LA+ Journal

Website:

www.landezine.com