

69201 - Urbanization Projects

Información del Plan Docente

Academic Year	2018/19
Subject	69201 - Urbanization Projects
Faculty / School	110 - Escuela de Ingeniería y Arquitectura
Degree	519 - Master's in Architecture
ECTS	6.0
Year	1
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 methodology followed in this course is oriented towards achievement of the learning objectives. It favors the acquisition of analytical, quantitative, and interpretive skills necessary for successful leadership in the field of urbanization.

4.2.Learning tasks

The course includes the following learning tasks:

- **Lectures.** 2 weekly hours.

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- **Practice sessions.** 2 weekly hours. All sessions will focus on the technical solution of an urbanization.
- **Assignments.** Throughout the course there will be several assignments, which will be announced in advance through the virtual platform Moodle and email, indicating the work to be included.
- **Urbanization Project** applied to degraded areas. Starting from a re-development, it addresses all the necessary elements for its correct urbanization. The submitted assignments allow a continuous assessment of the student's progress and the correction of any learning problems. There will be a final brief oral presentation to the rest of the classmates.

4.3.Syllabus

The course will address the following topics:

1. Understand the technical aspects involved in the construction of the public realm
2. Apply knowledge of design, analysis, as well as analyze and interpret data.
3. Identify, formulate, and solve technical problems, considering their real and economic implications.
4. Design and conduct the production of an official project, including the preparation of diverse and complete technical documentation.
5. Be familiar with the role of the professional architect in charge of the construction.
6. Coordinate the implementation of all provisions directed towards the completion of an urbanization, whether they are inner facilities or external infrastructures.
7. Functions on multidisciplinary teams.
8. Apply the techniques, skills, and modern technical tools necessary for architectural practice.
9. Understand professional and ethical responsibility and the impact of the activity in a global and societal context.
10. Understand and apply reasonably the environmental issues, the concept of durability and the costs of keeping up the built design.
11. Edit professional documents in the project phase.
12. Recognize the need for and engage in life-long learning.
13. Gain knowledge of contemporary related issues.
14. Obtain the broad education necessary to develop a knowledge-driven attitude, and a holistic approach.

4.4.Course planning and calendar

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course, will be provided on the first day of class or please refer to the EINA website.

4.5.Bibliography and recommended resources

The student could find additional information and resources in the library:

<http://psfunizar7.unizar.es/br13/egAsignaturas.php?id=8832>

BB	Accesibilidad en los espacios públicos urbanizados [Madrid] : Ministerio de Vivienda, Centro de Publicaciones, 1999-2010
BB	Manchón, L. Felipe. Recomendaciones para el proyecto y diseño del viario urbano / L. Felipe Manchón, Juan A. Santarriba [Fernando Llorente Sagaseta, dibujos gráficos] . - 2ª ed. rev. [Madrid] : CER Publicaciones, Ministerio de Fomento, 2000

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- BB Martínez Sareandeses, José. Guía de diseño urbano / José Martínez Sarandeses, María Agustina Herrero Molina, María Medina Muro [Madrid] Centro de Publicaciones, Ministerio Fomento, 2003
- BB Urban street design guide / National Association of City Transportation Officials Washington : Island Press, cop. 2011
[@libro](#) - Disponible también en formato electrónico
- BB Zimmermann, A. Construir el paisaje. Materiales, técnicas y componentes estructurales / Zimmermann, A. Birkhauser, 2011
- BC Alabern i Valentí, Eduard. Infraestructuras territoriales y urbanas: (ejecución, inspección y control de las obras) / Alabern i Valentí, E., & Guilemany i Casadarmà, J. Barcelona: Tadec, 2014
- BC Dupuy, Gaston. El urbanismo de las ciudades [L'urbanisme des réseaux] / Dupuy, Gaston. 1ª en español Vilassar de Mar Barcelona: Oikos-Tau, 1998
- BC Guía para la redacción de proyectos de urbanización [Madrid] : Consejo Superior de los Colegios de Arquitectos de España. D.L. 2007
- BC Herce Vallejo, Manuel. El soporte infraestructural de la ciudad / Manuel Herce Vallejo, Joan Miró Farrerons . ed. Barcelona : Edicions UPC, 2006
- BC Hernández Muñoz, Aurelio. Manual de saneamiento Uralita : sistemas de conducción en saneamientos de aguas / Aurelio Hernández Muñoz, Aurelio Hernández Muñoz Lehmann . - 2ª ed. Madrid : Uralita Thomson/Paraninfo, cop. 2004
- BC Porto Rey, Enrique. Manual sobre la redacción de proyectos de urbanización y proyecto de obras ordinarias / Porto Rey, Enrique. Madrid: Munillalería, 2000
- BC Suárez López, Joaquín. Manual de conducciones URALITA : sistemas de conducción en infraestructuras, redes de edificación / Joaquín Suárez López, Fernando Martínez Abella, Jerónimo Puertas Agudo Madrid : Thomson : Paraninfo, 2004