



## Course guides

# 290638 - CONSIDOND1 - Construction and Remodelling of Urban Space

Last modified: 06/10/2020

**Unit in charge:** Vallès School of Architecture  
**Teaching unit:** 753 - TA - Department of Architectural Technology.  
**Degree:** DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Compulsory subject).  
**Academic year:** 2020    **ECTS Credits:** 4.0    **Languages:** Catalan, Spanish

### LECTURER

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**Coordinating lecturer:** ISABEL VEGA AINSA  
**Others:** ISABEL VEGA AINSA  
Ros Perez, Silvia  
Gauthier Amigo, Alejandro

### DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

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**Specific:**

ET5G. An aptitude for assessing works.  
EP1G. An aptitude for removing architectural barriers (T).  
EP11G. The ability to draft civil works projects (T).  
EP20G. Adequate knowledge of architectural, urban planning and landscaping traditions in Western culture, as well as their technical, climatic, economic, social and ideological foundations.  
EP13G. The ability to apply urban design regulations and ordinances (T).  
EP14G. The ability to produce environmental, landscape and environmental impact correction studies (T).  
EAB6G. Adequate knowledge of graphic surveying techniques at all stages, from sketching to scientific restitution, applied to architecture and urbanism.  
EP5G. The ability to conceive, execute and develop urban design (T).  
ET11G. The ability to design building and urban installations for generating and supplying electricity, audiovisual communication, acoustic conditioning and artificial lighting.

EP12G. The ability to design and execute urban blueprints and urban development, gardening and landscape projects (T).

### TEACHING METHODOLOGY

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### LEARNING OBJECTIVES OF THE SUBJECT

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Construction and refurbishment of urban space. Constructive elements for outer space. Floors, restraints and furniture. Infrastructures of urban services. Drainage and supplies. Proper use of the corresponding materials. Regulatory Aspects. Assessment and management. To know tools and processes to apply sustainability criteria in the urban space.



## STUDY LOAD

Type	Hours	Percentage
Self study	56,0	56.00
Hours medium group	22,0	22.00
Hours large group	22,0	22.00

**Total learning time:** 100 h

## CONTENTS

### Syllabus

#### Description:

Generic:

Explain and give students tools to design, condition and build the Urban Space, emphasizing the criteria for intervention on the territory and the responsibility it entails. From a critical thinking methodology to a professional job.

Specific:

Awareness of the importance of urban space, its relation with the territory. Intervention criteria and tools for the design of urban space Knowledge of components and systems for proper constructive prescription. Significance of conditioning urban space: lighting, vegetation and furnishings. Knowledge of services. Calculation methods I sized familiarize the student with the development project. Open doors to anyone who wants to continue studies at the Masters level.

**Full-or-part-time:** 44h

Theory classes: 22h

Practical classes: 22h

## GRADING SYSTEM

## BIBLIOGRAPHY

#### Basic:

- Littlewood, Michael. Diseño urbano. México, D.F.: Gustavo Gili, cop. 1994-1995. ISBN 9688872571.
- Magrinyà, Francesc. Construcció de ciutat i xarxes d'infraestructures. Barcelona: Edicions UPC, 2006. ISBN 9788483018781.
- Magrinyà, Francesc; Miró Farrerons, Joan; Herce, Manuel. L'Espai urbà de la mobilitat. Barcelona: Edicions UPC, 2007. ISBN 9788483019177.
- McCluskey, Jim. El Diseño de vías urbanas. Barcelona: Gustavo Gili, DL 1984. ISBN 8425212006.