

Course guide

290632 - URBANIII14 - Urban Design III

Last modified: 22/07/2024

Unit in charge: Vallès School of Architecture
Teaching unit: 740 - DUTP - Department of Urbanism, Territory and Landscape.
Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Compulsory subject).
Academic year: 2024 **ECTS Credits:** 5.0 **Languages:** Catalan, Spanish

LECTURER

Coordinating lecturer: ADOLF SOTOCA GARCIA

Others: ADOLF SOTOCA GARCIA
LAIA GRAU BALAGUERÓ
LAURA BADIA GIMÉNEZ

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

EP1G. An aptitude for removing architectural barriers (T).
EP3G. An aptitude for cataloguing built and urban heritage and planning its protection (T).
EP5G. The ability to conceive, execute and develop urban design (T).
EP7G. The ability to design functional programmes for buildings and urban spaces (T).
EP11G. The ability to draft civil works projects (T).
EP13G. The ability to apply urban design regulations and ordinances (T).
EP14G. The ability to produce environmental, landscape and environmental impact correction studies (T).
EP18G. Adequate knowledge of methods for studying social needs, quality of life, habitability and basic housing programmes.
EP19G. Adequate knowledge of ecology, sustainability and the principles of conservation of energy resources and environmental resources.
EP22G. Adequate knowledge of the relationship between cultural patterns and the social responsibilities of architecture.
EP25G. Adequate knowledge of the methodological foundations of urban and spatial planning.
EP26G. Knowledge of civil, administrative, urban planning, building construction and industrial regulations pertaining to professional practice.
EP28G. Knowledge of real estate valuation.
EP29G. Knowledge of mechanisms for drafting and managing urban plans on any scale.

Generical:

CE4. Adequate knowledge of urbanism, planning and the techniques that are applied in the planning process
CE6. The ability to understand the profession of architecture and its social function in society, particularly by taking social factors into account in design.
CE11. Adequate knowledge of industries, organisations, regulations and procedures for capturing design in buildings and integrating plans in planning.

TEACHING METHODOLOGY

Learning based on tools and methodologies of urban analysis (GIS)
Inter-peers review.
Presentation of instrumental contents and intervention strategies
Fieldwork analysis and diagnostics of existing urban fabrics.

LEARNING OBJECTIVES OF THE SUBJECT

EVALUATION OF THE BUILT ENVIRONMENT

Understanding of the formation processes and intervention policies on the city
Capacity in identifying the needs for the improvement of existing urban fabrics.

URBAN TRANSFORMATION TOOLS

Knowledge of the legal and urban planning frameworks.
Knowledge of urban ordinances and regulations.

INTERVENTION CRITERIA AND CRITICAL THINKING

Operational knowledge of contemporary urban policies and possibilities for the transformation of the city.
Evaluation of options and alternatives in relation to their environmental, social and economic impact.
Capacity to develop a technical and humanistic discourse as related to the intervention in the built environment.
Methods and criteria for intervention. Urban form, and proposed socio-economical model.

STUDY LOAD

Type	Hours	Percentage
Hours large group	27,5	22.00
Hours medium group	27,5	22.00
Self study	70,0	56.00

Total learning time: 125 h

CONTENTS

Syllabus

Description:

The city in general, and the development with diversity of uses in particular, which is most interesting today is one that has the capacity to integrate activities, sociologically diverse, well equipped and with a high level of environmental quality. The intervention criteria that the course intends to address will focus on disciplinary attention:

- the guarantee of environmental conditions that preserve and protect the right to a healthy life.
- the commitment to soft, non-motorized and shared mobility.
- a growing functional integration based on the proximity of services productive activities.
- reasonable urban densities and intensities that enable the adequate provision of facilities and services.
- the contiguity and fit between existing urban fabrics and integration with environmental, environmental and cultural conditions.
- a clear mixed character in terms of typologies and economic strata to which the offer and functions are destined.

The course will base its learning bases on the critical and prospective analysis of a case study in a state of transformation. The contents taught and the project to be developed by the students will establish a dialectical relationship between them and the ongoing debate taking place around the case study.

Full-or-part-time: 55h

Theory classes: 27h 30m

Practical classes: 27h 30m



GRADING SYSTEM

Participation in the course: Attendance during the course is a requirement for a pass grade: 20%

Description and analysis of urban fabrics: 20%

Description and analysis of sustainability in urban fabrics: 40%

Detection of opportunities and intervention strategies: 20%

BIBLIOGRAPHY

Basic:

- Secchi, Bernardo. La ciudad de los ricos y la ciudad de los pobres [on line]. Madrid: Libros de la Catarata, cop. 2015 [Consultation: 20/09/2024]. Available on: <https://elibro.net/es/lc/upcatalunya/titulos/233744>. ISBN 9788483199756.
- McHarg, Ian L.; Margulis, Lynn; Corner, James; Hawthorne, Brian. Ian McHarg : conversations with students : dwelling in nature. New York: Princeton Architectural Press, cop. 2007. ISBN 9781568986203.
- Bott, Helmut; Grassl, Gregor C.; Anders, Stephan. Sustainable urban planning : vibrant neighbourhoods, smart cities, resilience [on line]. Munich: Edition Detail, 2019 [Consultation: 20/09/2024]. Available on: <https://www-degruyter-com.recursos.biblioteca.upc.edu/document/doi/10.11129/9783955534639/html>. ISBN 9783955534622.
- Rydin, Yvonne. The Future of planning : beyond growth dependence. Bristol, UK: Policy Press, 2013. ISBN 9781447308416.
- Sotoca, Adolf. Barcelona Besòs : ecologies corrents : regeneració urbana al barri del Besòs = current ecologies : urban regeneration at the Besòs District. Barcelona: Ajuntament de Barcelona. Institut Municipal d'Urbanisme Iniciativa Digital Politècnica. Oficina de Publicacions Acadèmiques Digitals de la UPC, 2024. ISBN 9788410008557.

RESOURCES

Hyperlink:

- PIU Barcelona. <https://ajuntament.barcelona.cat/informaciourbanistica/cerca/es/>- Geoportal de Planejament de l'AMB. <https://geoportalplanejament.amb.cat/AppGeoportalPlanejament2/index.html>- Geoportal de Cartografia de l'AMB. <https://geoportalcartografia.amb.cat/AppGeoportalCartografia2/index.html>- Open Data BCN. <https://opendata-ajuntament.barcelona.cat/ca>- Urban Green-Blue Grids. Urban Green-Blue Grids
- Atles de resiliència urbana. Resource

Other resources:

<https://coneixement-eu.bcn.cat/widget/atles-resiliencia/index-cas.html>