

# Urbanism and Spatial Planning

(Specialization Landscaping / Environmental engineering, 2<sup>nd</sup> Year of study, 1<sup>st</sup> Semester)

**Credits (ECTS): 5**

**Course category:** Specialised discipline

**Course holder:** Prof. Assist. Codrina GRECU ,PhD

## Objectives of the discipline:

The subject "Spatial planning and urban planning" (course and project) aims to provide students with theoretical and practical training in the specific field of urban and spatial planning:

- understanding the relationships between environmental elements and the evolution of human settlements;
- general knowledge of the basic elements of urban planning science;
- analyzing cities and territories with their morphological elements;
- developing the ability to read and represent urban and territorial information;
- carrying out functional and spatial-volumetric urban analyses and their graphic representation;
- realization of urban analysis and urban projects with written and drawn pieces.

## Contents (syllabus)

Course (chapters/subchapters)
1. Introductory notions 1.1. Definition, object and content of the course. 1.2. The elements of the environment. Networking.
2. Representation of elements from the natural and built environment - 2.1. Reading, spatial vision and representation of information from spatial planning and urban planning documents. 2.2. Representation symbols, colors, conventional signs, plan scale.
3. Natural environmental factors - 3.1. Relation of relief-water-climate-soil-planted spaces-landscape factors, natural and anthropogenic risk. 3.2. Capitalizing on local natural resources
4. The artificial environment - 4.1. Overview. 4.2. Analysis of the historical evolution of human settlements. 4.3. Analysis of the elements of the built environment.
5. The city and its elements - 5.1. Urban zoning. 5.2. Analysis of urban areas with their component elements
6. The science of urban planning - 6.1. Characteristics and purpose. 6.2. Main objectives. 6.3. Urban design
7. The science of territorial development - 7.1. Features. 7.2. Purpose and objectives.
8. Territorial development and urban planning projects – 8.1. Definitions, purpose, framework content. 8.2. Urban planning documentation 8.3. Territorial development documentation 8.4. Legislative generalities.
9. Preservation and protection of the environment - 9.1. Environmental degradation. 9.2. Ecology and environmental protection. 9.3. Protection of natural and built monuments.
10. Landscaping, an urban science 10.1. The relationship between urbanism and landscaping. 10.2. Sustainable urban development and landscaping.

<b>Practical activity</b>
1. Symbols of representation and their concrete practice: colors, conventional signs, the scale of the plates. Practicing urban scale drawing: (Drawing at 2 different scales (1:200 and 1:500), of a complex of collective housing and parking lots)
2. Development of individual housing estates, with a green area for recreation.
3. Final project – setting up a collective living area

### **Bibliography**

1. Curinschi Vorona Gh., 1976-Istoria universală a arhitecturii, Ed. Tehnică, București.
2. Dascălu Doina Mira, 2006-Mediul înconjurător și evoluția așezărilor umane-interferențe, Ed. Societății Academice "Matei - Teiu Botez", Iași.
3. Dascălu Doina Mira, 2006-Îndrumar documentar “Evoluția așezărilor umane”, Editura UTI, Iași.
4. Drimba O., 1984-1990, Istoria Culturii și Civilizației, vol.I-III, Ed. Stiințifică și Enciclopedică, București.
5. Gheorghiu T. O., 1996-Așezări Umane, Ed. Inst.Polith. Timișoara.
6. Gheorghiu T. O., 2009-Așezări Umane – Repere teoretice și istorie, vol.I,II, III, Ed. ArtPres Timișoara.
7. Krier R., 2006- Town Spaces, Ed.Birkhauser, Basel,
8. Krier R., 2006-Urban Space, Ed.Academy, Basel,
9. Laurian R., 1968-Urbanismul, Ed. Tehnică, București,
10. Ragon M., 1972-Histoire de l’architecture et l’urbanisme moderne, v.I-II, Casterman-Belgia

### **Evaluation**

<b>Evaluation form</b>	<b>Evaluation Methods</b>	<b>Percentage of the final grade</b>
Final exam	Written / oral examination	70%
Evaluation of the activity during the semester	Written and oral assessments during the semester	30%

### **Contact**

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