

LANDSCAPE ARCHITECTURE

Specialization Landscaping, 3rd Year of study, 1st Semester

Nr. transferable credits: 5

Domain discipline: Domain-specific discipline (mandatory)

Discipline holder: Lecturer SANDU TATIANA Ph.D.

Objectives of the discipline (course and applications):

The content of this discipline focuses on the formation of competences that allow the graduates the possibility to recognize the types of green spaces, their vegetal and utilitarian components, their way of integration within the urban, peri-urban and rural green spaces, those specific to our country. The following objectives are also pursued:

- the acquisition of the knowledge that will ensure the recognition of the modalities of use of ornamental woody plants according to the particularities of the plants and of the land to be arranged;
- use of information regarding the adoption of the best solutions for the use of ornamental plants in urban and peri-urban landscaping;
- theoretical and practical knowledge of the informations regarding the design and arrangement of green spaces, at the level of knowledge for European and world higher education, taking into account the decorative, biological and use features of the main species of trees and ornamental shrubs used in the modern landscape architecture.
- the knowledge and the correct use of specialized notions regarding landscaping;
- knowledge of the ways to enhance the native and exotic ornamental woody plants within the landscaping arrangements.

Content of the discipline

COURSE (Chapters / Subchapters)
Introduction. Definition, object and purpose of the discipline. Link to other sciences. The importance of teaching this discipline.
Head. 1. Conservation of natural ecosystems and landscapes. Environmental issues. The functions of green spaces. The role of landscaping.
Head. 2. Generalities regarding landscapes. The notion of landscape. Landscape types. The states and typology of natural landscapes.
Head. 3. Systems of green spaces. Characterization and design of urban and peri-urban green spaces. Generally used green spaces. Green spaces with limited access.
Head. 4. The component elements of the landscaping. Elements of green space design. Research and analysis of the land on which a green space is to be designed. Land in landscaping. Rocks in landscaping. Circulation in landscaping. Access to parks and gardens. Ecological parking. Water in parks and gardens.
Head. 5. Vegetation in landscaping. Plant elements and their role in the composition of green space. Landscape features of ornamental woody vegetation. Ornamental trees and shrubs for different environmental conditions in Romania. Association of ornamental woody vegetation. The waterfront vegetation. Arrangement of ornamental woody vegetation. Design of flower arrangements. Design of lawn surfaces.
Head. 6. General elements of landscape furniture and landscape integration methods.
Head. 7. Drawing up the works of green spaces. Vertical systematization of green space works. Organization of green spaces.
Practical design work
Generalities regarding the elaboration of the didactic projects of Landscape architecture
Conventional graphics and signs used to design landscaping.
Research and analysis of the land to be arranged. Land measurement.
Tracing the alleys in landscaping.
Sloping gardens. Slopes and support walls.
Pieces of water in landscaping.

The association and arrangement of vegetation in landscaping.
The waterfront vegetation. Aquatic vegetation.
Design of flower arrangements and lawns.
The Alpine gardens.
Pergolas, trellises and decorative shelters.
The motives for setting up and maintaining the designed space.

Bibliography

1. **Iliescu Ana Felicia, 2003** - *Landscape architecture*. Ceres Publishing House Bucharest.
2. **Sandu Tatiana, 2009** - *Ornamental arboriculture*. "Ion Ionescu de la Brad" Publishing House, Iași.
3. **Sandu Tatiana, 2012** - *Landscape architecture. License course*. PIM Publishing House, Iași.
4. **Sandu Tatiana, 2015** - *Landscape architecture. Practical works*, "Ion Ionescu de la Brad" Publishing House, Iași.

Final evaluation

Forms of evaluation	Methods of evaluation	Percentage of final grade
Written exam	Acquiring knowledge presented at lectures and in the supplementary bibliography	50%
	Individual study	20%
Practical design work	Presentation of the project	30%

Contact

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