

Materials and constructions in landscape (3rd YEAR OF STUDY, 1st SEMESTER)

Credit value (ECTS): 5

Course category:

Domain discipline (required)

Course holder

Andrei Slonovschi PhD, Lecturer

Discipline objectives (course and practical works)

The student must use the physical tools as well as the theoretical concepts in making applications for the use of materials in landscaping and construction. It must also develop its ability to understand the ways of building landscape elements in space and to correctly represent plan and volumetric urban furniture objects or special constructions within landscape arrangements and to acquire the ability to design and represented detail projects of light constructions, furniture or decorative elements within landscaping.

Contents of the discipline (analytical program)

Course (chapters/subchapters)
CHAPTER 1. Buildings materials. Types: Classification: Technique and technologies of execution
CHAPTER 2 Morphological elements of the landscape. Use of morphological elements in public and private design.
CHAPTER 3. Pedestrian and car traffic in parks and gardens. Pedestrian alley: Bridges: Stairs and railing: Occasional car traffic and ecological parking: Types of paving.
CHAPTER 4. Fences. Types: Constructive details.
CHAPTER 5. Public rest furniture. Benches: Modules: Multifunctional objects
CHAPTER 6. Pergolas, porticos, canopies and pavilions. Types: Constructive details.
CHAPTER 7 Decorative basins and other water facilities. Types: Constructive details.
CHAPTER 8. Utility, decorative and multifunctional landscape construction used in public spaces. Types: Constructive details.

Practical works
Documentation of several types of pergolas. Choosing a type of pergola and drawing it in plan, elevations, section, axonometric plotting, technical details and study layout (Scale 1:20)
Documentation on the types of banks and places of rest. Choosing a type of beach and representing it in plan, elevation, section, axonometric plotting, technical details and study layout (Scale 1:20)
Documentation on the type of decorative basins and artesian fountains. Choosing and representing a decorative basin in steps in plan, elevation, section, axonometric plotting and technical details (Scale 1:20).

Bibliography

1. Bridgewater A., Gill, 2004 - Brickwork for the garden, Silverdale Books, Leicester;
2. Brookes J., 2006 - Small Garden, DK Publishing, New York;
3. Ciornei Al., 2006 - Ingineria clădirilor, Editura Junimea, Iasi;
4. Ching Francis D. K., 1995 - A Visual Dictionary of Architecture, John wWiley& Sons Inc.;
5. Crișan Rodica, 2012 - Construcții din zidărie și beton armat. Editura universitară Ion Mincu;
6. Crișan Roodica, 2012 - Construcții din lemn. Editura Universitară Ion Mincu;
7. Crișan Rodica, 2003 - Construcții din oțel. Editura Universitară Ion Mincu;
8. Diarmuid G., 2004 - Design your garden, DK Publishing, New York;
9. Hessayon D.C., 2005 - Expert în amenajarea propriei grădini, Ed. Bic All, București;
10. Iliescu Ana Felicia, Costea Gabriela, Dumitrașcu Monica, 2001 - Îndrumător pentru inițierea în proiectare în peisagistică, USAMV București, Facultatea de Horticultură;
11. Naumann G.V., 2006 - Amenajarea micilor grădini, Ed Aquila, Oradea.
12. Osmundson Th., 2005 - Roof Gardens, Ed. Tectum, Antwerp;
13. Robinson N., 1992 - The Planing Design Handbook, Gower;
14. Robinson P., 2004 - Ponds Basics, Bounty Books, London.

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Written exam	Knowledge and understanding of the concepts contained in the course	70%
Practical works	portfolio of works (reports, scientific summaries)	30%

Contact

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