

**LANDSCAPE WORK TECHNIQUE**  
**(LANDSCAPE DESIGN, IV th Year of study, VII-VIII th Semester)**

**Credit value (ECTS): 5**

**Course category: mandatory**

**Course holder: PhD, Lecturer Roberto Renato BERNARDIS**

**Discipline objectives (course and practical works)**

- Acquiring technical, theoretical and practical notions, necessary for the creation of landscape projects, by judicious technical particularization.
- Knowledge and proper use of the basic notions specific to landscape technique discipline;
- Understanding the interrelationships between the characteristics of the landscape morphological elements and the execution techniques of the various landscaping works; knowledge of the design and execution stages of a landscape project;
- Development of the capacity to deepen the technical, theoretical and practical elements necessary for the establishment and maintenance of green spaces;
- Development of the skills to choose, combine and apply the appropriate techniques for the execution of the elements built within the landscape arrangements;
- Making of design exercises using the technical details appropriate to the proposed morphological elements: land processing, vegetal compositions, aquatic environments and arrangements with various built objects;

**Contents (syllabus)**

<b>Course (chapters/subchapters)</b>
<b>1.</b> Introductory notes. Presentation and general analysis of the types of landscape technical works needed for all the morphological elements used in organization.
<b>2.</b> Stages of design and execution of landscape projects. Written and drawn pieces required for complete design documentation.
<b>3.</b> Correlation of the technical works necessary for the vegetation arrangements with the technical details necessary for the realization of built elements.
<b>4.</b> Main technical works referring to the establishment and maintenance of green spaces.
<b>4.</b> Technical details necessary for the establishment and maintenance of plantations of ornamental trees and shrubs.
<b>5.</b> Technical details necessary for the establishment and maintenance of arrangements with flower species and decorative grasses.
<b>6.</b> Technologies for lawns establishment and maintenance.
<b>7.</b> Works of protection and conservation of plant species sensitive to climate and / or geomorphological factors.
<b>8.</b> General notions on utilitarian and decorative landscape constructions used in public and residential landscaping.
<b>9.</b> Presentation and analysis of pedestrian walkways, borders and stairs. Types of slabs and execution techniques.
<b>10.</b> Works required for positioning and fixing public rest furniture: benches, banquettes and modules.
<b>11.</b> Methods of vegetation planting and management on trials, pergolas and arches.
<b>12.</b> Stages and technical works necessary to perform a water layout in naturalistic style.

**Practical works**

1. Documentation and technical detail exercises of establishment and maintenance works required in case of ornamental trees and shrubs.
2. Exercises with technical works necessary for the establishment and maintenance of arrangements with flowering species.
3. Documentation and exercises of technical particularization of lawns maintenance works.
4. Documentation and exercises of technical particularization of works of protection and conservation of plant species sensitive to climate and / or geomorphological factors.
5. General notions on utilitarian and decorative landscape constructions used in public and residential landscaping.
6. Presentation and analysis of pedestrian walkways, borders and stairs. Types of slabs and execution techniques.
7. Works required for positioning and fixing public rest furniture: benches, banquettes and modules.
8. Methods of vegetation planting and management on trials, pergolas and arches.
9. Stages and technical works necessary to perform a water layout in naturalistic style.

### Bibliography

1. **Iliescu Ana-Felicia, 2001** - *Îndrumător pentru inițierea în proiectarea peisagistică*, USAMV, București.
2. **Mitreă Vasile, 2000** – *Peisagistica*. Curs. Editura Universității Tehnice, Cluj-Napoca.
3. **Petrescu Florin, 1983** - *Lucrări de întreținere în parcuri și grădini*. Ed. Ceres, București.
4. **Peter Mc Hoy, 2010** - *The complete encyclopedia of Practical Gardening*. Editura Hermes House, London.
5. **Sandu Tatiana, 2013** - *Arhitectura peisajului. Lucrări practice*. Editura “Ion Ionescu de la Brad”, Iasi.
6. **X X X, 2008** - *ABC-ul îngrijirii plantelor*. Editura House of Guide, București.
7. **X X X, 2002** – *Essential Gardening Techniques*. The Royal Horticulture Society, London.

### Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Course	Exam	80 %
	presence	10 %
Practical works	Tests + cours and practical	10 %

### Contact

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