Annex 6

DISCIPLINE DESCRIPTION

1. Information on the study programme

1.1 Academic institution	**UNIVERSITY OF ORADEA**
1.2 Faculty	**FACULTY OF ENVIRONMENTAL PROTECTION**
1.3 Department	**AGRICULTURE, HORTICULTURE**
1.4 Field of study	**HORTICULTURE**
1.5 Cycle of study	**BACHELOR**
1.6 Study programme/Qualification	**LANDSCAPE ARCHITECTURAL/ ENGINEER**

2. Information on the discipline

2.1 Name of discipline			**DESIGNING GREEN SPACE II**				
2.2 Course holder			**VIDICAN IULIANA TEODORA**				
2.3 Seminar/Laboratory/Project holder			**VIDICAN IULIANA TEODORA**				
2.4 Year of study	IV	2.5 Semester	7	2.6 Type of evaluation	Ex Pr	2.7 Regime of discipline	C

(C) Compulsory; (O) Optional; (E) Elective

3. Total estimate time (hours per semester of didactic activities)

3.1 Number of hours per week	4	out of which: 3.2 course	2	out of which 3.3 seminar/laboratory/project	2
3.4 Total hours in the curriculum	56	out of which: 3.5 course	28	out of which 3.6 seminar/laboratory/project	28

Time allotment	hours
Study assisted by manual, course support, bibliography and notes	14
Additional documentation in the library/ on specialised electronic platforms and in the field	14
Preparation of seminars/laboratories/ topics/reports, portfolios and essays	40
Tutorship	8
Examinations	6
Other activities.....	5

3.7 Total hours of individual study	**97**
3.9 Total hours per semester	**56**
3.10 Number of credits	**6**

4. Prerequisites (where appropriate)

4.1 curriculum	(Conditionings) Knowledge of landscaping and urbanism, technical drawing, design in landscaping, representations in landscaping, floriculture, arboriculture, materials and constructions in landscaping, roads and embankments, design of different types of green spaces.
4.2 competences	Knowledge of the principles used in landscaping, styles and genres found in landscaping, flowering plants and dendrofloric material, floriculture, arboriculture, materials and constructions in landscaping, roads and embankments, design of

	different types of green spaces, etc.

5. Conditions (where appropriate)

5.1. related to course	Video projector, computer.
5.2. related to seminar/laboratory/ project	- requisites and specific objects in view of a good run of the execution hours of the landscape design - realization a project of landscaping and essays, drawings and related details

6. Specific competences acquired	
Professional competences	▪ C1 – Knowledge description and understanding the underlying scientific fundamentals landscaping planning, their proper use in professional communication. ▪ C2 – Explaining and interpreting the different principles and rules used in design. ▪ C3 – Ability to select and apply in practice those rules, principles, techniques and technologies so the result obtained to be as appropriate as possible to the given conditions both aesthetically and socio-functional. ▪ C4 – The ability to objectively analyze a given situation and to use all the knowledge gained in view fulfilling tasks, using criteria and standard design methods. ▪ C5 - Elaboration of landscaping plans and projects, sustainable, functional, aesthetic, which meet the environmental, but also the lasting implementation of these technical solutions.
Transversal competences	▪ CT1- Conscientiously fulfilling the established program, tracking achievement of the proposed goals, serious fulfillment of professional duties; ▪ CT2 – Open to teamwork, applying effective communication techniques with both superiors and subordinates, respect for teammates and their work; ▪ CT3 – Awareness of the need for learning and continuous improvement, in order to adapt to the requirements of the current economy, knowledge of at least one international language, the easy use of information technology and modern communication, objective self-improvement capacity, etc.

7. Objectives of discipline (coming from the specific competences acquired)

7.1 General objective	The course "**Designing green spaces II**" aims at: ▪ familiarizing students with the specialized vocabulary; ▪ to acquire them the necessary knowledge to draw up a landscaping project, ▪ being an object of interdisciplinary study it will presented in a more unified framework principles and rules underlying design in landscape, of the concept of composition, its structures and components.
7.2 Specific objectives	Laboratory work is designed to provide it future landscaping engineer: ▪ practical skills in designing, making, research, operation and maintenance of green areas; ▪ The content of the laboratory works presented are based the need to deepen the problems presented in the course. ▪ Knowledge accumulated by students are useful in building skills on the approach the specific problems faced by one a specialist in this field of activity.

8. Content*/

8.1 Course	Methods of teaching	No. of hours/Remarks
1. Perception of space. The landscape as a three-dimensional space. Perspective. The cutout. Visual control. Infrastructure. Superstructure.	Exposure video overhead projector. Conversation. Explanation. Debate. Interactive course. During the course, students' contributions are requested on topics specific to my topic. Interactive topics and discussions will be launched based on case studies.	**2 ore**
2. Designing roads in landscaped landscapes. Planimetric elements. The plan.	Idem	**2 ore**
3. Designing roads in landscaped landscapes. Principles of road design. Entrances and exits in green spaces	Idem	**2 ore**
4. Designing parking lots in landscaped landscapes	Idem	**2 ore**
5. Designing woody vegetation in landscaped landscapes. Species association and disposition. Alignment. Curtina. The strip. The green wall.	Idem	**2 ore**
6. Designing woody vegetation in landscaped landscapes. Association and arrangement of species. Green cabinet or living room. The maze. Hedges. Groups of trees.	Idem	**2 ore**
7. Designing flower arrangements in landscaped landscapes. Rondourile. Discounts. The edges. Benzile. The arabesques. The ground floors.	Idem	**2 ore**
8. Designing turf surfaces in landscaped landscapes	Idem	**2 ore**
9. Designing utilitarian constructions and ornamental elements in landscaped landscapes.	Idem	**2 ore**
10. Green wall and roof.	Idem	**2 ore**
11. Designing the elements around the waters in the arranged landscapes	Idem	**2 ore**
12. Landscaping in different historical periods	Idem	**2 ore**
13. Design of lighting systems in landscaped landscapes	Idem	**2 ore**
14. The phases of the conception and the content of a landscaping project. Originality or personal style.	Idem	**2 ore**

Bibliography

1. Condurăţeanu-Fesci S., Ionescu M., 1994 - *Grădinile şi parcurile terrei*, Editura Albatros, Bucureşti;
2. Condurăţeanu-Fesci S., Sava D., 2005 - Studiu privind speciile de arbori şi arbuşti rezistenţi la condiţiile de mediu şi microclimat caracteristice municipiului Constanţa – Contract nr.111/18.11 2005 realizat cu SC ASTER Consulting SRL, Bucureşti;
3. Florincescu A., 1999 –Arhitectura peisajului. Editura Divya, Cluj Napoca;
4. Iliescu A.F., 1998 – Arboricultura ornamentală. Editura Ceres, Bucureşti;
5. Palade L., 1973 –Arhitectură peisageră. Lucrări practice. Lito. Iaşi;
6. Păun M., Palade L., 1977– Flora spontană, sursă de plante pentru spaţii verzi. Editura Scrisul Românesc;

7. Preda M., Palade L., 1972 –Arhitectura peisajului. Editura Ceres Bucureşti;
8. Simonds J.O.,1967 – Arhitectura peisajului, Editura Tehnică Bucureşti;
9. Sonea V., Palade L., Iliescu A.F., 1979- Arboricultură ornamentală şi arhitectură peisageră. Editura Didactică şi Pedagogică Bucureşti;
10. Vidican I.T., 2011, Arhitectură peisageră – suport de curs, Editura Universităţii din Oradea;
11. Vidican I.T., 2011, Arhitectură peisageră – caiet de lucrări, Editura Universităţii din Oradea;
12. Vidican I.T., 2012, Proiectarea spaţiilor verzi – suport de curs; Editura Universităţii din Oradea;
13. Vidican I.T., 2012, Proiectarea spaţiilor verzi – caiet de lucrari; Editura Universităţii din Oradea.

8.2 Seminar	Methods of teaching	No. of hours/ Remarks
8.3 Laboratory		
8.4 Project		
1. The component parts of landscaping projects.	In the first hour of the laboratory, the coordinating teacher will the presence of concrete students what kind of activities are going to take. It will follow the exposition of the theme included in the curriculum, activity carried out with the direct participation of students. Intercative hour.	**2 ore**
2. The component elements of the landscaping: the land, the circulation, the vegetation.	Presentation by the students of the written report (synthesis material). An interactive theme will address a new theme.	**2 ore**
3. The components of landscaping: decorative and functional constructions, waters.	Idem	**2 ore**
4. Research and analysis of pedoclimatic conditions. Documentary data.	Idem	**2 ore**
5. Research and analysis of socio-cultural conditions. Documentary data.	Idem	**2 ore**
6. Execution of arrangement plans and drawings. Organization and structuring of space.	Idem	**2 ore**
7. Design of the traffic system.	Idem	**2 ore**
8. Vertical systematization of the land.	Idem	**2 ore**
9. Design of parking lots, lighting systems and utility constructions.	Idem	**2 ore**
10. Design and execution of landscaping occupied by water.	Idem	**2 ore**
11. Elaboration of planting plans and schemes for different categories of woody plants.	Idem	**2 ore**
12. Elaboration of plans and schemes for lawn production and planting of different categories of flowering plants.	Idem	**2 ore**
13. Arrangement and endowment of green spaces with garden furniture and ornamental elements.	Idem	**2 ore**

14. Economic calculations regarding the design and arrangement of green spaces.	Idem	**2 ore**

Bibliography

1. Condurăţeanu-Fesci S., Ionescu M., 1994 - *Grădinile şi parcurile terrei*, Editura Albatros, Bucureşti;
2. Condurăţeanu-Fesci S., Sava D., 2005 - Studiu privind speciile de arbori şi arbuşti rezistenţi la condiţiile de mediu şi microclimat caracteristice municipiului Constanţa – Contract nr.111/18.11 2005 realizat cu SC ASTER Consulting SRL, Bucureşti;
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11. Vidican I.T., 2011, Arhitectură peisageră – caiet de lucrări, Editura Universităţii din Oradea;
12. Vidican I.T., 2012, Proiectarea spaţiilor verzi – suport de curs; Editura Universităţii din Oradea;
13. Vidican I.T., 2012, Proiectarea spaţiilor verzi – caiet de lucrari; Editura Universităţii din Oradea.

* The content, respectively the number of hours allocated to each course / seminar / laboratory / project will be detailed during the 14 weeks of each semester of the academic year.

9. Corroboration of discipline content with the expectations of the epistemic community, professional associations and representative employers from the field corresponding to the study programme

- The content of the discipline is adapted and satisfying labor market requirements, being agreed by social partners, professional associations and employers from the scope of the license program.
- The content of the subject is found in the curricular specialization and to other accredited academic centers in Romania, with this specialization, so knowing the basic notions is a stringent requirement of landscape design employers.

10. Evaluation

Type of activity	10.1 Evaluation criteria	10.2 Evaluation methods	10.3 Share in the final grade
10.4 Course	- For note 5: all topics should be treated minimum standards; For notes> 5: all topics should be treated at the maximum standards	Written or oral exam - 1-2 hours duration.	50 %
10.5 Seminar			
10.6 Laboratory			
10.7 Project	Presentation of the project in the form of a general plan, details,	- The attendance at classes and the achievement of all the	50 %

	case studies, with justifications. The presentation of the topic studied will be done in 3D program.	themes are a prerequisite for taking part in the exam; - Share project final grade is 50%. - Recovery of only one remaining laboratory session is allowed (in the last week of the semester)	
10.8 Minimum standard of performance			
Performing works under the supervision of a teacher, to solve specific problems landscape design, with the correct assessment of the workload, the resources available and the time needed for completion.			

Date of completion	Signature of course holder**	Signature of seminar laboratory/project holder **
01.10.2021	S.l. dr.ing. **VIDICAN Iuliana Teodora** iuliateodora68@yahoo.com	S.l. dr.ing. **VIDICAN Iuliana Teodora** iuliateodora68@yahoo.com

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** - Name, first name, academic degree and contact details (e-mail, web page, etc) will be specified.
*** - Name, first name, academic degree and contact details (e-mail, web page, etc) of the academic entity beneficiary of the Discipline Outline will be specified.