SYLLABUS

1. Information about the programme

1.1 Higher education institution	Babeş-Bolyai University of Cluj-Napoca
1.2 Faculty	Environmental Science and Engineering
1.3 Department	Environmental Analysis and Assessment
1.4 Field of study	Environmental Engineering
1.5 Study cycle	Bachelor
1.6 Study programme / Qualification	Environmental Engineering

2. Information on the discipline

2.1 Name of the discipline			Elaboration of the diploma project					
2.2 Course coor	dinato	r	-					
2.3 Seminar coo	2.3 Seminar coordinator -							
2.4. Year of	IV	2.5 Semes	ter	8	2.6. Type of	C	2.7 Type of	Mandatory
study					evaluation		discipline	

3. Total estimated time (hours/semester of didactic activities)

3.1 Hours per week	4	Of which: 3.2 LP	2	3.3 P	2
3.4 Total hours in the curriculum	56	Of which: 3.5 LP	28	3.6 P	28
Time allotment:					hours
Learning using manual, course support, bibliography, course notes					18
Other documentation (in libraries, on electronic platforms, field documentation)					10
Preparation for seminars/labs, homework, papers, portfolios and essays					-
Tutorship					10
Evaluations					4
Other activities:					-

3.7 Total individual study hours	42
3.8 Total hours per semester	98
3.9 Number of ECTS credits	4

4. Prerequisites (if necessary)

4.1. curriculum	Not applicable
4.2. competencies	Not applicable

5. Conditions (if necessary)

5.1. for the course	Not applicable
5.2. for the seminar /lab	Room equipped with a computer and a projector.
activities	

6. Specific competencies acquired

Professional competencies	 Mastering and applying the methodology for preparing a dissertation Correct and documented use of information for the development of the dissertation Collecting, analyzing, and interpreting data and information related to the research topic chosen by the student
Transversal competencies	 Applying the principles, norms, and values of professional ethics An integrated approach to interdisciplinary concepts Making connections with other studied disciplines

7. Objectives of the discipline (outcome of the acquired competencies)

7.1 General objective of the discipline	➤ Guiding students in the preparation of their dissertation in accordance with the methodology of scientific research.
7.2 Specific objective of the discipline	 Developing students' ability (capacity) to perform independent research and documentation work Developing students' ability (capacity) to conduct analyses, integrate information, and draw conclusions with an original character

8. Content

8.1 LP+P	Teaching methods	Remarks
1. Choosing the research topic that will constitute	Presentation	4 hours
the subject of the dissertation	Discussions	
2. Identifying the general bibliography to ensure an	Presentation	4 hours
overview of the research issue – preliminary	Discussions	
documentation		
3. Preparing the research plan	Presentation	4 hours
	Discussions	
4. Defining the structure of the dissertation and the	Presentation	4 hours
specific bibliography as a result of studying the specialized literature	Discussions	
5. Reviewing the specialized literature recommended	Presentation	4 hours
by the scientific supervisor and identified by the student	Discussions	
6. Developing the research methodology to achieve	Presentation	4 hours
the proposed objectives	Discussions	
7. Documentation on the practical part of the	Presentation	4 hours
dissertation – data collection and analysis	Discussions	
8. Data collection and analysis, interpretation of data	Presentation	8 hours
	Discussions	
9. Drafting the dissertation – first version.	Presentation	8 hours
Consultation with the scientific supervisor	Discussions	
10. Considering the scientific supervisor's	Presentation	4 hours
observations and finalizing the dissertation	Discussions	
drafting		
11. Preparing presentations for the public defense of	Presentation	4 hours
the dissertation.	Discussions	
12. Case studies regarding the dissertations of	Presentation	4 hours

students.	Discussions	
Bibliography:		

1. The bibliography recommended by the scientific supervisor or the one considered relevant by the student, depending on the chosen research topic.

9. Corroborating the content of the discipline with the expectations of the epistemic community, professional associations and representative employers within the field of the program

In accordance with the specific requirements for preparation outlined in the curriculum.

10. Evaluation

Type of activity	10.1 Evaluation criteria	10.2 Evaluation methods	10.3 Share in the grade (%)
10.4 LP/P	Interest in the concepts presented and active involvement in the specific stages of dissertation preparation.	Oral – involvement in thematic discussions, in establishing the content outline, and managing the volume of bibliographic, field, and laboratory work.	50%
	The process of developing the structure of the dissertation and the academic requirements for preparing and defending a dissertation.	Written or oral – addressing scientific topics and aspects of interest from the dissertation.	30%
	The process of finalizing and defending the dissertation.	Synthesis of the dissertation work and its presentation	20%

10.6 Minimum performance standards

Fulfillment of at least 75% of the evaluation requirements

Date

Signature of course coordinator

Signature of seminar coordinator

Date of approval

Signature of the head of department

December 4, 2024