Course Title: PHD THESIS (APPLICATION)			
Status: OBLIGATORY, V semester			
ECTS: 10			
The goal of the course: Student searches scientific literature in line with the theme of the doctoral thesis, performs preliminary research and process research results in order to establish the hypothesis aims and objectives of the research necessary for the application.			
The outcome of the subject: Introduction to current research results in the world and understanding scientific importance of research that will be conducted within the framework of the doctoral thesis. Student self-preparing the draft of the doctoral dissertation.			
Syllabus: - Consultation with the supervisor about the final doctoral dissertation - Defining the research hypotheses - Choosing the research methods - Preliminary contents of the doctoral dissertation - Agreement on scientific research that will be included in the dissertation - Perform all necessary preparatory administrative action to begin scientific research work on a doctoral dissertation			
Practices:-	Lectures:-	Student research work: 10	Other forms of teaching:

Course Title: PHD THESIS (PERFORMING RESEARCH AND PUBLISHING THE RESULTS)

Status: OBLIGATORY, V semester

ECTS:20

The goal of the course:

Student is doing research in accordance with a prepared and reported topic.
Student performs measurements and processes the results of research, describes the method of sampling, measurement instruments, measurement technique, the method of treatment results with all the necessary equations and works other necessary research into the topic and prepares the results for publication in International Journals included in the positive list of the Ministry of Education Science and Technological Development.

Educons University equips LABORATORY Educons University for quality work and providing bases for experimental research with instrument:
1. microbiological analysis (technical scale, autoclave, sterilizer, water bath, homogenizer, pH meter, microscope, laminar chamber pot anaerobes, various mills, Milli Q apparatus for distilling water)
2. Genetics (Real time PCR, mini centrifuges, thermal power, laminar flow chambers)
3. Chemical analyzes of 3 - organic and inorganic substances (ICP / OEC, HPLC-DAD, GC-FID-ECD "Headspace", microwave oven preparation, an analytical balance, GC-MS and HPLC-MS-MS)
4. Chemical analyzes-Organic Chemistry (spectrophotometer, pH meter, Kjeldahl apparatus, apparatus for Soxhlet).

The outcome of the subject:

Student is qualified to independently conduct research and solve problems defined in the doctoral thesis on the basis of previously acquired knowledge and experience, as well as the experiences of other researchers in solving similar problems. Student acquires research experience and is prepared for independent research and effectively solves complex problems in the natural sciences (environmental).

Syllabus:

- Selection of literature that examines similar issues, or that is relevant to solving the problems of research
- Final selection of research methods
- Application of the selected method on the concrete research problems
- Validation of the obtained research results

Literature: All the scientific research literature on doctoral thesis

The outcome: Research in doctoral dissertation in the prescribed manner.

Lectures:	Practices	Student research work: 10	Other forms of teaching:

Course Title: PHD THESIS (WRITING A THESIS)			
Status: OBLIGATORY, VI semester			
ECTS: 10			
Prerequisite: previous carried out study research work			
The goal: Gaining knowledge about the way, the structure and form of writing a dissertation study conducted after analysis and other activities that are carried out within the set of the doctoral dissertation. Creating doctoral dissertation, students gain experience in creative scientific work, forming and testing hypothesis, write papers in which it is necessary to describe the problems, and implemented methods procedures and results that were obtained, and that gives a restored scientific contribution to the development of science and application their scientific research into practice. In addition, the goal of development and defense of the doctoral dissertation is developing skills in students that the results of independent work of preparation in a suitable form publicly presented, as well as to respond to comments and questions about a given topic.			
The outcome: Training students for a systematic approach to solve the given problem, implementation analysis, the application of acquired and acceptance knowledge from other areas in order to find creative solutions of the caused problem. Self-studying and solving problems in the field of a given topic, students acquire new scientific knowledge about the complexity and complex problems in the field of their profession. With doctoral dissertation, students gain some experience that can be applied in practice in solving problems in the field of their profession. Preparation of the results for public defense, defense and public answers to the questions and comments of the Commission student acquires necessary experience on how to present the results of individual or collective work.			
Lectures:	Practices:	Student research work: 10	Other forms of teaching:

Course title: PHD THESIS (THESIS DEFENSE)		
Teacher or teachers		
Status: OBLIGATORY, VI semester		
ECTS: 20		
Condition: that the application, evaluation and defense of the doctoral dissertation are defined by the Regulations on Doctoral Studies at the University Educons		
The goal of course Adoption of theoretical knowledge about the form of presentation of the results of scientific research professionals and acquiring skills that allow students to successfully present and discuss quality scientific research results. The ultimate goal is that the student successfully defending his doctoral dissertation on an approved topic and in line with defined and approved sheet elements dissertation.		
The outcome of the case Student qualifies for the presentation, as well as arguments and qualitative discussion of research results. The final outcome is that the student has successfully defended his doctoral dissertation and acquire scientific name Ph.D. in science on environmental protection.		
Syllabus - Consultation with the supervisor and agree on the defense of the doctoral dissertation Defence (public presentation) doctoral dissertation.		
Recommended literature - All the scientific research literature in the field of doctoral thesis		
Lecturers:	Theoretical study:	Student research work: 10