



No. _____ of _____

USAMV form 0107040104 (discipline code)

SUBJECT OUTLINE**1. Information on the programme**

1.1. Higher education institution	University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca
1.2. Faculty	Agriculture
1.3. Department	Plant culture
1.4. Field of study	Environmental Engineering
1.5. Cycle of study ¹	Bachelor
1.6. Specialization/ Study programme	Environmental Engineering
1.7. Form of education	Full time

2. Information on the discipline

2.1. Discipline name	Ecological ethics							
2.2. Course coordinator	Prof.dr. Ioan Rotar							
2.3. Seminar/ laboratory/ project coordinator	Lecturer Crisi Mălinaș							
2.4. Year of study	IV	2.5. Semester	I	2.6. Evaluation type	sumative	2.7. Discipline status	Content ²	DD
							Compulsoriness ³	DI

3. Total estimated time (teaching hours per semester)

3.1. Hours per week – full time programme	4	out of which:	2	3.3. seminar/ laboratory/ project	2
3.4. Total number of hours in the curriculum	56	out of which:	28	3.6. seminar/laboratory	28
Distribution of the time allotted					hours
3.4.1. Study based on books, textbooks, bibliography and notes					22
3.4.2. Additional documentation in the library, electronic platforms and field experiences					15
3.4.3. Preparing seminars/ laboratories/ projects, subjects, reports, portfolios and essays					15
3.4.4. Tutorials					4
3.4.5. Examinations					10
3.4.6. Other activities					
3.7. Total hours of individual study	64				
3.8. Total hours per semester	120				
3.9. Number of credits ⁴	4				

4. Prerequisites (if applicable)

4.1. curriculum-related	Ecology, Botany, Agroecology, Pedology, Agrochemistry
4.2. skills-related	The student must have knowledge regarding the structure and functioning of ecosystems and agroecosystems.

5. Conditions (if applicable)

5.1. for the course	The course is interactive, students can ask questions about the content of the exhibition. The university discipline requires the observance of the start and end time of the course. No other activities are tolerated during the lecture, mobile phones should be closed.
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5.2. for the seminar/ laboratory/ project	At the practical work it is compulsory to consult the practical tutor, each student will carry out an individual activity with the laboratory materials provided and described in the practical work tutor. Academic discipline is required throughout the duration of the work.
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6. Cumulated specific competences

Professional competences	<p>Acquiring general notions about ethics and morals</p> <p>Knowledge of the basics of environmental ethics</p> <p>Presentation of the natural and anthropic environment in historical evolution, related to representative thinking currents</p> <p>Description of the main theoretical trends related to the human-average binomial over time</p> <p>Contemporary aspects of the ethics of depth as an innovative current of the human-environment relationship</p>
Transversal competences	<p>Formation of the capacity to issue ethical judgments of situations caused by environmental problems</p> <p>Ability to act as trainers of ecological education and ecological ethics</p>

7. Discipline objectives (based on the cumulated specific competences)

7.1. General objective	Notions regarding the position of man in relation to nature, the evolution of this report from the earliest times to the present day are transmitted to the students
7.2. Specific objectives	<p>To know the definition, structure and classification of environmental factors</p> <p>Have the ability to define the terms of ethics and morals</p> <p>To know the theories of ethics</p> <p>To know the evolution of human-created systems and the impact on the environment</p> <p>To understand the trends of the evolution of the relationship between man and the environment over time</p>

8. Content

8.1. COURSE	Teaching methods	Observation
Number of hours - 28		
The environment, definitions, characteristics, constituents.	Lecture	2 lectures
Human environment and its subsystems (economic, social, political, cultural subsystem).	Lecture	1 lecture
The relation of man with the natural environment. Concepts of ancient civilizations.	Lecture	1 lecture
The ecological position of man and his behavior in agricultural ecosystems.	Lecture	1 lecture
The effects of the development of the economy on the environment	Lecture Lecture	1 lecture 1 lecture
The environment as an ethical element. The nature conservation movement. The consumer movement.		
The natural environment in philosophy and religion.	Lecture	1 lecture 2 lectures



Reformist concepts: the value of animal life, the thesis of equality, the critique of utilitarianism.	Lecture	2 lectures
Revolutionary concepts of the human-environment relationship: biocentrism and ecocentrism.	Lecture	
A new ethical position. Life at the center of future developments.	Lecture	2 lectures

8.2. PRACTICAL WORKS		
Number of hours -- 28		
Notions about the environment	Theoretical foundation	2 Laboratory work
Analysis of various environmental concepts	Debate / ex. practically	2 Laboratory work
The human-nature relationship in philosophical ecology	Theoretical foundation	2 Laboratory work
	Debate / ex. practically	2 Laboratory work
Anthropic impacts on the environment in primitive societies	Theoretical foundation	1 Laboratory work
The impact of the industrial revolution on the human society	Theoretical foundation	2 Laboratory work
The impact of the industrial revolution on the environment	Debate / ex. practically	1 Laboratory work
Human population growth and its impact on natural systems	Theoretical foundation	1 Laboratory work
	Check written	1 Laboratory work
Sustainable development		
Verification of knowledge		
<i>Compulsory bibliography::</i>		
1. VIEHMANN I. I., 2001, <i>Ecologie, Ed. Risoprint</i>		
2. ROTAR I., MĂLINAȘ ANAMARIA – <i>Manual didactic – Etică ecologică</i>		
3. PASLACK R., VROMANS K., ISILDAR G.Y., DANET A.F., 2010, <i>Etica mediului, Ed. Printech, Bucuresti.</i>		
4. PUJA I., SORAN V., ROTAR I., 1998, <i>Agroecologie, ecologism, ecologizare, Ed. Genesis</i>		
5. PUJA I., SORAN V., CARLIER L., ROTAR I., VLAHOVA M., (2001), <i>Agroecologie si ecoddezvoltare, Ed., AcademicPress</i>		
<i>Optional bibliography::</i>		
1. Carlier, L., I. Puja, I. Rotar, <i>For a better grass production, Ed. Risoprint,</i>		
2. Mac I., 2003, <i>Știința mediului, Ed. Europontic, Cluj-Napoca</i>		
3. <i>Revista ProEnvironment</i>		

9. Corroborating the discipline content with the expectations of the epistemic community representatives, of the professional associations and of the relevant employers in the corresponding field

In order to identify ways of modernizing and continually improving the teaching and the content of the courses, with the most current topics and practical problems, the teachers participate in the annual meeting of the Romanian Society of Meadows where they meet with the farmers, being debated current and perspective issues. of feed production in Romania and Europe



10. Evaluation

Type of activity	10.1. Evaluation criteria	10.2. Evaluation type	10.3. Percentage of the final grade
10.4. Course	Defining the term environment and presenting its features Mastery of the notions of ethics and morals Theories of ethics The ability to reproduce the evolution of the relationship between man and the natural environment	Written exam	70%
10.5. Seminar/Laboratory	The ability to analyze various environmental concepts.	There is provided 1 verification during the course (case study).	30%
10.6. Minimum performance standards			
Mastery of scientific information transmitted through lectures and practical papers at an acceptable level. Obtaining the pass mark for on-the-spot checks is a condition of promotability.			

- 1 Cycle of studies - choose one of the three options: Bachelor/Master/Ph.D.
- 2 according to the educational plan
- 3 Discipline status (compulsoriness) - choose one of the options - DI (compulsory discipline) DO (optional discipline) DFac (facultative discipline).
- 4 One credit is equivalent to 25-30 hours of study (teaching activities and individual study).

Filled in on
04.09.2019

Approved by the
department on
05.09.2019

Course coordinator
Prof. dr. Ioan Kotar

Laboratory work/seminar coordinator
Lecturer dr. Cristi Mălinaș

Head of the Department
Prof. dr. Duda Marcel