



No. \_\_\_\_\_ of \_\_\_\_\_

USAMV form 0107040111

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

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

**2. Information on the discipline**

<b>2.1. Discipline name</b>		<b>Protected Natural Areas</b>						
<b>2.2. Course coordinator</b>				Prof. Dr. Marian PROOROCU				
<b>2.3. Seminar/ laboratory/ project coordinator</b>				Prof. Dr. Marian PROOROCU				
<b>2.4. Year of study</b>	IV	<b>2.5. Semester</b>	II	<b>2.6. Evaluation type</b>	E	<b>2.7. Discipline status</b>	Content <sup>2</sup>	S
							Compulsoriness <sup>3</sup>	DS

**3. Total estimated time (teaching hours per semester)**

<b>3.1. Hours per week – full time programme</b>	4	<b>out of which: 3.2. lecture</b>	2	<b>3.3. seminar/ laboratory/ project</b>	2
<b>3.4. Total number of hours in the curriculum</b>	40	<b>out of which: 3.5. lecture</b>	20	<b>3.6. seminar/laboratory</b>	20
<b>Distribution of the time allotted</b>					<b>hours</b>
<b>3.4.1. Study based on books, textbooks, bibliography and notes</b>					8
<b>3.4.2. Additional documentation in the library, electronic platforms and field experiences</b>					8
<b>3.4.3. Preparing seminars/ laboratories/ projects, subjects, reports, portfolios and essays</b>					8
<b>3.4.4. Tutorials</b>					3
<b>3.4.5. Examinations</b>					3
<b>3.4.6. Other activities</b>					
<b>3.7. Total hours of individual study</b>	<b>30</b>				
<b>3.8. Total hours per semester</b>	<b>70</b>				
<b>3.9. Number of credits<sup>4</sup></b>	<b>3</b>				

**4. Prerequisites (if applicable)**

<b>4.1. curriculum-related</b>	
<b>4.2. skills-related</b>	.

**5. Conditions (if applicable)**

<b>5.1. for the course</b>	The course is interactive, the presentations are in the form of power points or case studies. 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.
<b>5.2. for the seminar/ laboratory/ project</b>	In practical work it is compulsory to consult the practical guide, each student will carry out an individual activity. This will consist in drawing up a management plan for a natural area in Romania. At the same time, each

8.2. PRACTICAL WORKS Number of hours – 20	Teaching methods	Observation
1. Preparation of a management plan for a protected natural area: <ul style="list-style-type: none"> <li>- First;</li> <li>- Objectives;</li> <li>- Description of the area.</li> </ul> 2. Drawing up the management plan of the protected natural area: <ul style="list-style-type: none"> <li>- Topics of the management plan;</li> <li>-Actions.</li> </ul> 3. Presentation and submission for approval of the management plan of a protected natural area.           4. Study visit Portile de Fier Natural Park: <ul style="list-style-type: none"> <li>-methodology of data collection in the field</li> <li>- the acquisition of practical skills for identifying priority habitats</li> <li>- the acquisition of practical skills for identifying priority species.</li> <li>- administration of a Natural Park.</li> </ul>	<ul style="list-style-type: none"> <li>- Case studies;</li> <li>- Preparation of the documented;</li> <li>- Presentation of the documented;</li> <li>- Consultation / decision of the interested public.</li> </ul>	2 lab works  1 lab work  2 lab works  5 lab works

*Compulsory bibliography:*

1. Marian PROOROCU, Paul BELDEAN - Protected natural areas - practicum Academic Press Ed., Cluj-Napoca, ISBN 978-973-744-090-7, 2007.
2. Marian PROOROCU - Protection of natural reserves, (Protected natural areas) Academic Press Publishing House, Cluj-Napoca, ISBN (10) 973-744-057-9 (RO); (13) 978-973-744-057-0 (EU), 2006.
3. Decision no. 1581/2005: ESTABLISHING THE NATURAL AREA PROTECTED FOR NEW ZONES. OFFICIAL MONITOR, NR. 24 FROM JANUARY 11, 2006.
4. Decision no. 2151/2004: ESTABLISHING THE NATURAL AREA PROTECTED FOR NEW ZONES. OFFICIAL MONITOR, NR. 38 FROM JANUARY 12, 2005.
5. Law no. 265/2006: FOR THE APPROVAL OF EGG NO. 195/2005 ON THE PROTECTION OF THE ENVIRONMENT. Law no. 345/2006: FOR THE MODIFICATION AND COMPLETION OF GEO NO. 236/2000 REGARDING THE REGIME OF PROTECTED NATURAL AREAS, CONSERVATION OF NATURAL HABITATES, FLOWERS AND WILD FAUNA.

*Optional bibliography:*

1. Mohan Gh., A. Ardelean, M. Georgescu, 1993: RESERVATIONS AND MONUMENTS OF NATURE FROM ROMANIA. "SCAIUL" BUILDING AND TRADE HOUSE BUCHAREST, 359 PG.
2. Mohan Gheorghe, Ielenicz Mihai, Pătroescu Maria, 1986: RESERVATIONS AND MONUMENTS OF NATURE IN ROMANIA. BUILDING SPORT-TOURISM BUCHAREST. 208 PG. Mulongoy, K.J., Chape, S.P. (Eds) 2004: PROTECTED AREAS AND BIODIVERSITY: AN OVERVIEW OF KEY ISSUES. CBD SECRETARIAT, MONTREAL, CANADA AND UNEP-WCMC, CAMBRIDGE, UK. 51 PG.

**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**

For a continuous updating of the course information and seminars, the subject holder participates in national and international conferences on this topic, while also successfully collaborating with the other specializations within USAMVCN. At the same time, it maintains a close connection with the complementary authorities for environmental protection, in order to improve the quality of the courses, from the Environmental Agencies, to the Administrations of natural areas.

**10. Evaluation**

Type of activity	10.1. Evaluation criteria	10.2. Evaluation type	10.3. Percentage of the final grade
10.4. Course	-knowledge of general notions regarding nature conservation; -the acquisition of the knowledge regarding the institute of the protected natural area regime and the acquisition of the ability to synthesize the basic elements regarding their administration; -acquiring the necessary knowledge to characterize the main protected natural areas in Romania; - acquiring knowledge regarding the legislative and institutional card in the field of nature protection.	summative(E)	70%

<p><b>10.5. Seminar/Laboratory</b></p>	<p>-Preparation of management plans for their approval. -Presentation of management plans. -Analysis of management plans. -Presentation of a report on the theme of the Protected Natural Area.</p>	<p>Analysis of the documentation and the report, as well as the presentation mode</p>	<p>30%</p>
<p><b>10.6. Minimum performance standards</b></p>			
<p>Mastery of scientific information transmitted through lectures and practical papers at an acceptable level. The preparation of the management plan, its presentation and the report represent a condition of promotability.</p>			

- 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

Course coordinator  
Prof. Dr. Marian PROOROCU

Laboratory work/seminar coordinator  
Prof. Dr. Marian PROOROCU

Approved by the  
department on  
05.09.2019

Head of the Department  
Prof. Dr. Ioan OROJIAN