



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

USAMV form 0124010106

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

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

**2. Information on the discipline**

<b>2.1. Discipline name</b>	Monitoring and management of Natura 2000 Sites							
<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>	I	<b>2.5. Semester</b>	II	<b>2.6. Evaluation type</b>	VP	<b>2.7. Discipline status</b>	Content <sup>2</sup>	S
							Compulsoriness <sup>3</sup>	FD

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

<b>3.1. Hours per week – full time programme</b>	3	<b>out of which: 3.2. lecture</b>	2	<b>3.3. seminar/ laboratory/ project</b>	1
<b>3.4. Total number of hours in the curriculum</b>	42	<b>out of which: 3.5. lecture</b>	28	<b>3.6. seminar/ laboratory</b>	14
<b>Distribution of the time allotted</b>					<b>hours</b>
3.4.1. Study based on books, textbooks, bibliography and notes					10
3.4.2. Additional documentation in the library, electronic platforms and field experiences					10
3.4.3. Preparing seminars/ laboratories/ projects, subjects, reports, portfolios and essays					10
3.4.4. Tutorials					5
3.4.5. Examinations					5
3.4.6. Other activities					
<b>3.7. Total hours of individual study</b>	40				
<b>3.8. Total hours per semester</b>	82				
<b>3.9. Number of credits<sup>4</sup></b>	4				

**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.
----------------------------	---

**Compulsory bibliography:**

1. MARIAN PROOROCU, PAUL BELDEAN - PROTECTED NATURAL AREAS - PRACTICUM ED. ACADEMIC PRESS, 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. Bleahu Marcián, 1998: ECOLOGY-NATURE-MAN. EDITURA METROPOL. 200 PG.
4. Decision no. 1581/2005: ESTABLISHING THE NATURAL AREA PROTECTED FOR NEW ZONES. OFFICIAL MONITOR, NR. 24 FROM JANUARY 11, 2006.
5. Decision no. 2151/2004: ESTABLISHING THE NATURAL AREA PROTECTED FOR NEW ZONES. OFFICIAL MONITOR, NR. 38 FROM JANUARY 12, 2005. IUCN -Commission on National Parks and Protected Areas, 1994: PARKS FOR LIFE: ACTION FOR PROTECTED AREAS IN EUROPE. IUCN, GLAND, SWITZERLAND AND CAMBRIDGE, UK. 154 PG.

**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	<ul style="list-style-type: none"><li>- the knowledge of the general notions regarding the declaration of Natura 2000 sites;</li><li>- acquiring knowledge regarding the legislative and institutional card in the field of nature protection;</li><li>- knowledge regarding the preparation of a Management Plan;</li><li>- knowledge regarding the monitoring of Natura 2000 sites.</li></ul>	Continuous (VP)	70%
10.5. Seminar/Laboratory	<ul style="list-style-type: none"><li>- Drawing up a monitoring protocol for species / habitats of a Natura 2000 site;</li><li>- Presentation of the monitoring protocol.</li></ul>	Analysis of the monitoring protocol, as well as its presentation mode.	30%

**10.6. Minimum performance standards**

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.

- 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 OROIAN