DISCIPLINE DESCRIPTION

1. Information on the study programme

<u>1. Information on the study programme</u>	
1.1 Academic Institution	University of Oradea
1.2 Faculty	Faculty of Environmental Protection
1.3 Department	Animal Husbandry and Agritourism
1.4 Field of study	Animal Husbandry
1.5 Cycle of study	Bachelor
1.6 Study programme/Qualification	Animal Husbandry/Engineer

2. Information on the discipline

2.1 Name of discipline Production and Conservation of Fodder I			
2.2 Course holder	Lect. PhD. Eng. Codrin Gavra		
2.3 Seminar/Laboratory/Project holder	Lect. PhD. Eng. Codrin Gavra		
2.4 Year of study I 2.5 Semester I 2.6	Type of evaluation Exam 2.7 Regime of disciplineC		
(C) Compulsory (Q) Optional: (E) Elective			

(C) Compulsory; (O) Optional; (E) Elective

3. Total estimate time (hours per semester of didactic activities)

· · · · · ·	1	1	/		
3.1 Number of hours per week	4	out of which: 3.2 course	2	out of which: 3.3 seminar/laboratory/project	2
3.4 Total hours in the curriculum	56	out of which: 3.5 curs	28	out of which: 3.6 seminar/laboratory/project	28
Time allotment				hours	
Study assisted by manual, course support, bibliography and notes			20		
Additional documentation in the library/on specialised electronic platforms and in the field			20		
Preparation of seminars/laboratories/topics/reports, portfolios and essays			20		
Tutorship			3		
Examinations			4		
Other activities: consultations					2
3.7 Total hours of individual study 69					
3.8 Total hours per semester	125				

3.8 Total hours per semester1253.9 Number of credits5

4. Prerequisites (where appropriate)

4.1 curriculum	•
4.2 competences	• Competences of information and documentation, the application of knowledge,
	of individual and group activity.

5. Conditions (where appropriate)

5.1. related to course	• Lecture hall equipped with laptop, projector, whiteboard, plates, which ensures conditions for active and interactive learning;		
	• It requires compliance with the rules of ethics and good conduction during the course and respecting the timetable;		
	 Active presence and attendance at courses is recommended, absences implicitly affecting the final result. In the case of absences, the responsibility lies with the students to determine the part of the lost subject matter and take measures for recovery; Mobile phones and similar deviace are not allowed during classes. 		
5.2. related to seminar/laboratory/ project	 Mobile phones and similar devices are not allowed during classes. Laboratory with material endowments specific to the discipline, respectively practical-applicative learning conditions; Students are required to wear white robe at the laboratory works, respectively equipment suitable for field trips; Mobile phones and similar devices are not allowed during classes. 		

6. Spec	cific competences acquired			
s I	• The ability to identify and recognize the phytotaxons specific to the flora and grasslan			
na	vegetation;			
ssio eter	• Knowledge of modern and efficient methods of production and conservation of fodder;			
Professional competences	• The optimizing of fodder base;			
Prc	• Knowing the nutritional value of fodder and how to use the main feed sources for different			
	animal species.			
	• Use of effective lifelong learning methods and techniques for the purpose of training and			
~	continuous professional development;			
rsal	• Responsible and effective implementation of the tasks related to the professions in the field,			
vei ster	while respecting the principles of professional ethics;			
Transversal	• Identifying the role of a team and assuming the appropriate professional and personal			
Tra	responsibilities;			
-	• Cultivating a correct and timely work discipline, responsibility for work, team spirit			
	formation, and awareness of the importance of search and research.			

7. Objectives of discipline (coming from the specific competences acquired)

7.1 General objective	• Acquiring theoretical and practical knowledge of grassland vegetation.
7.2 Specific objectives	 Assimilation by students of knowledge regarding the cultivation of fodder crops; Establishment of plant cultivation structures within agricultural and forage crops.

8. Content*

8.1 Course	Methods of	No. of
	teaching	hours/remarks
I. The place and importance of fodder plants in agricultural production. Vegetation of permanent grasslands. Poaceae (Grasses).	Lecture, debate	2
II. Fabaceae (Legumes), Cyperaceae (Sedges) and Juncaceae (Rushes). Plants from other botanical families.	Lecture, video projection system of the didactic material, debate, plates	2
III. Changes occurring in the vegetation of permanent meadows. Elements of ecology.	Exposing, video projection system of the didactic material	2
IV. The main types of meadows in Romania.	Lecture, exemplification, debate	2
V. Improvement of permanent meadows through surface measures, technical-cultural works, improvement of water and air regime.	Lecture, video projection system of the didactic material, debate, plates	2
VI. Fertilization of permanent meadows.	Lecture, debate	2
VII. Combating weeds in meadows. Self-sowing and over- sowing of meadows.	Exposing, video projection system of the didactic material	2
VIII. Establishment of cultivated meadows: pre-culture crops, protective crops, fertilization and land preparation.	Lecture, video projection system of the didactic material	2
IX. Composition of the mixture of perennial grasses and leguminous species, sowing, maintenance and use of temporary meadows.	Lecture, video projection system of the didactic material	2
X. Rational use of meadows. Grazing systems. Grazing technique.	Lecture, exemplification, debate	4

	2	
	2	
didactic material,	2	
debate		
Lecture, debate	2	
and Conservation of Fodder, Dida	ctics and Pedagogy	
ISAMVE Timiscore 1002		
	on of Fodder Tip	
	on of 1 outlet, 11p	
edagogy Publishing House Bucur	rești, 2000	
dder, L.P., Lito. I.A. Timişoara, 1	.988	
ler, L.P., Ed. Waldpress Timișoar		
Methods of	No. of	
teaching	hours/remarks	
Exposing, debate, plates,	es, 4	
outing on the field		
Exposing, debate, plates,	4	
outing on the field	4	
Exposing, debate, plates,	2	
outing on the field	Z	
Exposing, debate, plates,	2	
outing on the field	2	
Exposing, debate, plates,	2	
	2	
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esentation of the structure of mixtures of perennial		
· · · ·	2	
outing on the field	-	
	2	
Exposing debate		
Exposing, debate		
Exposing, debate Exposing, debate	2	
	didactic material, debate Lecture, debate nd Conservation of Fodder, Dida USAMVB Timişoara, 1993 işoara, 1994 er" Lito , USAMVB, 1997 N. – Production and Conservati edagogy Publishing House Bucur dder, L.P., Lito. I.A. Timişoara, 1 er, L.P., Ed. Waldpress Timişoar Methods of teaching Exposing, debate, plates, outing on the field Exposing, debate, plates,	

- Burcea P., Panait V., Popescu V., Bratu V. Production and Conservation of Fodder, Didactics and Pedagogy Publishing House București, 1981
- 2. Coste I. Course "Plant Morphology and Anatomy", Lito., USAMVB Timişoara, 1993
- 3. Coste I. Course "Plant Systematics", Lito., USAMVB Timişoara, 1994
- Dragomir N. Curs "Production and Conservation of Fodder" Lito, USAMVB, 1997
 Erdelyi Ş., Ionel A., Arvat N., Iacob T., Ignat A., Simtea N. Production and Conservation of Fodder, Tipo Agronomia, Cluj-Napoca, 1990
- 6. Ignat A., The Basis of Fodder Production, Didactics and Pedagogy Publishing House București, 2000

7. Arvat N., Bireescu L. - Production and Conservation of Fodder, L.P., Lito. I.A. Timişoara, 1988

8. Dragomir N., Pet I. - Production and Conservation of Fodder, L.P., Ed. Waldpress Timişoara, 2002

The content, respectively the number of hours allocated to each course/seminar/laboratory/project will be detailed during the 14 weeks of each semester of the academic year.

* The books presented in the bibliography are printed in Romanian language. Titles and Publishing Houses have been translated into English language for the discipline description.

9. Corroboration of discipline content with the expectations of the epistemic community, professional associations and representative employers from the field corresponding to the study programme

- Discipline exists in the curricula of the universities and profile faculties of Romania, thus being in accordance with the curriculum in other university centres;
- By acquiring theoretical notions and practical aspects included in the discipline of *Production and Conservation of Fodder*, students acquire consistent knowledge to facilitate their application in professional work;
- For a better concordance and coordination of the discipline with the requirements of the labour market, have and will occur meetings with representatives of the business environment, respectively with professors from pre-university education.

10. Evaluation

IV. Evaluation			
Type of activity	10.1 Evaluation criteria	10.2 Evaluation methods	10.3 Share in the final grade
10.4 Course	 The correctness of assimilated knowledge; Coherence and logic in the subject's exposure; Level of assimilation of the discipline specific terms. 	Written examination, active participation in courses	70%
10.5 Laboratory	 The ability to apply the acquired notions in practice; Level of assimilation of laboratory work. 	Colloquium, active participation in the laboratory	30%

10.6 Minimum standard of performance

• Correct assimilation of elementary notions and terms specific to discipline, respectively the recognition of phytotaxons (species) and application of grassland improvement technology.

Date of completion 19.06.2023

Signature of course holder Lecturer Dr. Eng. Codrin Gavra (gavracodrin@gmail.com)

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Signature of seminar laboratory/project holder Lecturer Dr. Eng. Codrin Gavra (gavracodrin@gmail.com)

Date of approval in the department 21.06.2023

pavro Cochi

Signature of the Head of Department Lecturer Dr. Eng. Monica Dodu (monica_dodu@yahoo.com)

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Dean signature Assoc. Prof. Dr. Eng. Cristina Maerescu (cristina_maerescu@yahoo.com)

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