DISCIPLINE DESCRIPTION

1. Information on the study programme

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

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2.1 Name of discipline		Production and C	Production and Conservation of Fodder II		
2.2 Course holder	Lect. PhD. Eng. C	odrin Ga	ivra		
2.3 Seminar/Laboratory/Project hold	Lect. PhD. Eng. C	odrin Ga	ivra		
2.4 Year of study I 2.5 Semester II 2.6 Type of evaluation Exam 2.7 Regime of discipline					С
(\mathbf{C}) $($					

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

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

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:	28	out of which:	28
		3.5 curs		3.6 seminar/laboratory/project	
Time allotment					hours
Study assisted by manual, course support, bibliography and notes				12	
Additional documentation in the library/on specialised electronic platforms and in the field				12	
Preparation of seminars/laboratories/topics/reports, portfolios and essays				10	
Tutorship				4	
Examinations				4	
Other activities: consultations				2	
3.7 Total hours of individual stud	y 44				
3.8 Total hours per semester	100				

3.8 Total hours per semester1003.9 Number of credits4

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 conduct 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;
5.2. related to seminar/laboratory/ project	 Inobic phones and similar devices are not anowed 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
nal Ices	• The ability to identify and recognize the phytotaxons specific to the flora and grassland vegetation;
ssio eter	• Knowledge of modern and efficient methods of production and conservation of fodder;
np	• 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;
versal	• Responsible and effective implementation of the tasks related to the professions in the field, while respecting the principles of professional ethics;
Trans	• Identifying the role of a team and assuming the appropriate professional and personal responsibilities;
Ĵ	• 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. Perennial legumes of fodder: white clover, sainfoin, birds foot trefoil, alfalfa, red clover.	Lecture, video projection system of the didactic material, debate, plates	2
II. Annual legumes of fodder: peas, soya, broad bean, fodder vetch.	Lecture, video projection system of the didactic material, debate, plates	4
III. Annual grasses fodder: corn, barley, oats, rye, millet, sorghum, sorghum × drummondii, ryegrass.	Exposing, video projection system of the didactic material	2
IV. Tuberculous and root plants: potato, sugar beet, fodder beet, carrot, kohlrabi.	Lecture, video projection system of the didactic material, debate, plates	4
V. Other forage plants: cucurbits, sunflower, rapeseed, fodder cabbage.	Lecture, video projection system of the didactic material, debate, plates	4
VI. Cultivation of perennial grasses: ocksfoot, orchard fescue, common couch, red fescue.	Lecture, video projection system of the didactic material, debate, plates	4
VII. Successive fodder crop technology.	Lecture, video projection system of the didactic material, debate, plates	2
VIII. The green conveyer.	Lecture, video projection system of the	2

	didactic material.		
	debate, plates		
	Lecture, video		
	projection system of the		
IX. Fodder ensilage.	didactic material.	2	
	debate plates		
	Lecture video		
	projection system of the		
X. Seed production technology for fodder crops.	didactic material	2	
	debate plates		
Bibliography	debate, plates		
 Burcea P., Panait V., Popescu V., Bratu V. – Production of Publishing House Bucuresti, 1981 	and Conservation of Fodder, Dida	actics and Pedagogy	
2. Coste I Course "Plant Morphology and Anatomy", Lito., U	USAMVB Timişoara, 1993		
3. Coste I Course "Plant Systematics", Lito., USAMVB Tim	nişoara, 1994		
4. Dragomir N. – Curs "Production and Conservation of Fodd	ler" Lito , USAMVB, 1997		
5. Erdelyi Ş., Ionel A., Arvat N., Iacob T., Ignat A., Simtea	N. – Production and Conservat	ion of Fodder, Tipo	
Agronomia, Cluj-Napoca, 1990			
6. Ignat A., – <i>The Basis of Fodder Production</i> , Didactics and F	Pedagogy Publishing House Bucu	rești, 2000	
7. Arvat N., Bireescu L. – Production and Conservation of Fo	dder, L.P., Lito. I.A. Timişoara,	.988	
8. Dragomir N., Pet I. – Production and Conservation of Fodd	<i>ter</i> , L.P., Ed. Waldpress Timişoat	a, 2002	
8.2 Laboratory	Methods of	INO. OI	
	Leaching	nours/remarks	
I. Description and recognition of cultivated annual and	Laboratory presentation,	4	
biannual leguminous species.	exposure, plates,	4	
II Description of the sector of sector	Outing on the field		
11. Description and recognition of the species of annual	Exposing, debate, plates,	4	
Todder grasses grown.	Surfage delate a later		
III. Description and recognition of root, tuber and	Exposing, debate, plates,	4	
cucurbits species.	outing on the field		
IV. Recognition of other fodder and honey plants.	Exposing, debate, plates,	4	
	outing on the field		
V. Cultivated varieties of annual and perennial fodder	Exposing, debate, plates,	2	
plants.	outing on the field		
VI. Principles of organization in the production of seeds to fodder plants.	Exposing, debate, plates	2	
VII. Agrophytotechnical appreciation of fodder crops.	Exposing, debate, plates, outing on the field	2	
VIII. Framework technologies for annual and perennial fodder plants.	Exposing, debate, plates	2	
IV Maintenance much for following the last	Exposing, debate, plates,	2	
1A. Maintenance work for fodder plants and meadows.	outing on the field	2	
X. Formation of fodder conveyors of cultivated species and varieties.	Exposing, debate, plates	2	
 Bibliography: Burcea P., Panait V., Popescu V., Bratu V. – Production and Conservation of Fodder, Didactics and Pedagogy Publishing House Bucureşti, 1981 Coste I. – Course "Plant Morphology and Anatomy", Lito., USAMVB Timişoara, 1993 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 Ignat A. – The Basis of Fodder Production Didactics and Pedagogy Publishing House Bucuresti, 2000 			

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

1 Evaluation criteria	10.2 Evaluation methods	10.3 Share in the final grade
ne correctness of		
milated knowledge; oherence and logic in subject's exposure; evel of assimilation he discipline specific ns.	Written examination, active participation in courses	70%
ne ability to apply the uired notions in ctice; evel of assimilation aboratory work.	Colloquium, active participation in the laboratory	30%
	vel of assimilation ne discipline specific ns. e ability to apply the tired notions in tice; vel of assimilation aboratory work.	vel of assimilation ne discipline specific as. e ability to apply the tired notions in tice; vel of assimilation boratory work. courses Colloquium, active participation in the laboratory

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

Date of approval in the department

21.06.2023

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)

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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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