

Universitatea din Oradea	PROCEDURA pentru inițierea, aprobarea, monitorizarea și evaluarea periodică a programelor de studii	COD: SEAQ PE – U. 01						
			4	5	6	7	8	9
			Aprobat în ședința de Senat din data: -- 17.09.2012					

## Anexa 6

### DISCIPLINE DESCRIPTION

#### 1. Information on the programme

1.1 Higher education institution	UNIVERSITY OF ORADEA
1.2 The Faculty	FACULTY OF ENVIRONMENTAL PROTECTION
1.3 Department	ANIMAL HUSBANDRY AND AGRO-TOURISM
1.4 Field of study	ANIMAL HUSBANDRY
1.5 Cycle of studies	BACHELOR
1.6 Education / Qualification Program	ANIMAL HUSBANDRY/BUSINESS ENGINEER

#### 2. Information on the discipline

2.1 Name of discipline	TECHNOLOGY OF SHEEP AND GOATS I						
2.2 Holder of course activities	CONF. DR. ING. MAERESCU CRISTINA MARIA						
2.3 Seminar activities Holder/laborator/proiect	CONF. DR. ING. MAERESCU CRISTINA MARIA						
2.4. Year of study	IV	2.5 Semester	VII	2.6 The type of evaluation	examen	2.7 Type of discipline	I

(I) Impusă; (O) Opțională; (F) Facultativă

#### 3. Estimated total time (hours per semester of teaching activities)

3. number of hours per week	4	3.2 from which: course	2	3.3laboratory	2
3.4 Total hours of teaching plan	56	din care: 3.5 course	28	3.6. laboratory	28
Fund distribution time					ore
Study time after manual, support of course, bibliography and notes					20
Additional documentation in the library, electronic platforms and on the ground					40
Seminars/training laboratories, themes, essays, portfolios and essays					28
Tutoriat					4
Examination					2
Other activities.					
3.7 Total hours self-study	94				
3.9 Total hours per semester	150				
3.10 The number of credits	6				

#### 4. Preconditions (where applicable)

4.1 curriculum	Anatomy, histology, embryology, Animal physiology Nutrition and nutrition, Zootechnical constructions
4.2 competent	

#### 5. Conditions (where applicable)

5.1. related to course	Lecture room with whiteboard, computer and video projector
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	Will not be tolerated during phone calls, nor leaving by the students of the course with a view to taking over personal telephone calls; It requires compliance with the rules of ethics and good conduct during the course.
5.2. related to seminar/laboratory/ project	The use of protective equipment (gown, boots, coveralls, disposable). Observance of labor protection, PSI and the methods of fixation and approach. Bibliography consultation indicated by the holder in the discipline for the facilitation of practical activity.

6. Competențele specifice acumulate	
Competențe profesionale	<ul style="list-style-type: none"> <li>▪ Developing, implementing and coordinating processes □ specific sheep growth</li> <li>▪ Selection, improvement, production and valorization of biological material for breeding</li> <li>▪ Be familiar with specialized terminology that they use it properly</li> <li>▪ To understand the importance of growth sheep and its integration into the ecosystem.</li> </ul>
Competențe transversale	<ul style="list-style-type: none"> <li>▪ Elaboration of and compliance with the work programme and the achievement of their tasks with professionalism and thoroughness</li> <li>▪ Applying effective communication techniques in specific activities of teamwork; playing a role within it and the principles of division of labour.</li> </ul>

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

7.1. General objective	<ul style="list-style-type: none"> <li>▪ Acquiring theoretical and practical knowledge to students, necessary for the implementation of modern technologies of propagation, growth, improvement and exploitation of breeds of sheep and goats in different types of households and farms existing in the country ours.</li> </ul>
7.2.	<ul style="list-style-type: none"> <li>▪ Knowledge of the origin and formation of breeds of sheep and goats; study of morph-productive sheep; elements of the animal nutrition; technologies rearing of sheep and goats.</li> <li>▪ Technologies in exploiting sheep for meat; technologies in exploiting sheep for milk-meat; technologies in raising sheep for wool and skins;</li> </ul>

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	<p>technologies of goats; improvement of sheep and goats. knowledge production obtained from sheep and breeds of sheep and goats,</p> <ul style="list-style-type: none"> <li>▪ Development of technical projects for the establishment/modernization of farms rearing sheep</li> <li>▪ Selection, improving production and valorization of biological material.</li> </ul>
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### 8. Conținuturi\*

8.1 Course	Teaching methods	Number Of Hours/ Comments
<b>Cap. I. The importance of evolution and growth of sheep</b>		2
<p>The origin, formation of the domestication of sheep breeds, and bio-productive characteristics of ovine</p> <p>2.1. Types of wild sheep species</p> <p>2.2. The domestication of sheep</p> <p>2.3. Biological Features and production of domestic sheep</p> <p>2.3.1. General biological Features</p> <p>2.3.2. Constitutional types</p> <p>2.3.3. Types morfoproductive</p>	<p>Modern lecture in forms accessible to the student, combined with the debate followed by explanations to clarify the phenomena presented</p> <p>Active-participative methods</p>	2
<p>III. Head sheep Productions and obtain their</p> <p>3.1. The production of wool</p> <p>3.1.1. Wool-raw material in textile industry</p> <p>3.1.2. Skin-body wool production</p> <p>3.1.3. The formation of the fibers of wool</p> <p>3.1.4. morphological and histological Structure of wool fiber</p> <p>3.1.5. Chemical composition of wool</p> <p>3.1.6. Usucul</p> <p>3.1.7. physico-mechanical Characteristics and technology of wool (wool fibre qualities, șuviței and alânii as a whole)</p> <p>3.1.8. The factors which determine the quantity of wool</p> <p>3.1.9. Fleece faults</p> <p>3.1.10. Standardisation</p> <p>3.1.11 fleece. Trimming technique of sheep (organisational aspects, the Clipper systems, mițuitul)</p> <p>3.2. Production of skins, pelts and skins of sheep</p> <p>3.2.1 production skins.</p> <p>3.2.1.1 Imortanța production of skins</p> <p>3.2.1.2. Properties of pelts and Karakul black</p>	<p>Modern lecture in forms accessible to the student, combined with the debate followed by explanations to clarify the phenomena presented</p> <p>Active-participative methods</p>	10

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<p>metiși</p> <p>3.2.1.3. Special skin Karacul brumăriu, sur, comor, guligaz, albe, Țurcană brumărie</p> <p>3.2.1.4. Harvest and conservation technique of pelts</p> <p>3.2.2. Production of fur and skins of sheep</p> <p>3.3. Meat production</p> <p>3.3.1. The importance of sheep production</p> <p>3.3.2. Physical and chemical characteristics and nutrients of meat sheep</p> <p>3.3.3 Factors affecting meat production</p> <p>3.3.4. Appreciation and quality of sheep fattened animal carcasses</p> <p>3.4 Milk production.</p> <p>3.4.1. Milk production throughout the world and in our country</p> <p>3.4.2. Physical and chemical characteristics and Biological of milk sheep</p> <p>3.4.3 The factors that determine the production of milk.</p> <p>3.4.4. Milking technique</p> <p>3.5. Side productions</p>		
Cap. IV. Sheep breeds	Modern lecture in forms accessible to the student, combined with the debate followed by explanations to clarify the phenomena presented Active-participative methods	6
Cap. V. Technology of growth and exploitation of sheep	Modern lecture in forms accessible to the student, combined with the debate followed by explanations to clarify the phenomena presented Active-participative methods	4
<p>5.1. Standards for the establishment of systems and technology for the growth and exploitation of sheep</p> <p>5.2. Sheep raising systems for mixed production (milk-meat-wool)</p> <p>5.2.1. The peculiarities of the system of raising sheep extensively</p> <p>5.2.2. . The peculiarities of the system of raising sheep semiintensively</p> <p>5.2.3 The peculiarities of the system of raising sheep intensive</p>		

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Cap. Reproduction of sheep 6.1. The manifestations of sexual 6.2. The technique of conducting artificial mating and artificial insemination 6.3. Gestation and parturition	Modern lecture in forms accessible to the student, combined with the debate followed by explanations to clarify the phenomena presented Active-participative methods	2
<b>Cap. VII. Breeding technology for sheep and lambs</b> 7.1. Feeding and care of infant lambs 7.2. Weaning technique 7.3. Technique of sheep youth growth	Modern lecture in forms accessible to the student, combined with the debate followed by explanations to clarify the phenomena presented Active-participative methods	2
Bibliografie 1. Dărăban Stelian, 2006, tehnologia creșterii ovinelor, Ed. Risoprint Cluj-Napoca 2. Maerescu Cristina Maria, 2007, <i>Aspecte practice de creștere a ovinelor</i> , Ed. Universității din Oradea 3. Maerescu Cristina Maria, Cornel Man, 2007, <i>Condiții tehnologice și de igienă pe filiera lapte în fermele de ovine</i> , Ed. Universității din Oradea. 4. Pop A., Lăbușcă I. și colab., 1983, Tehnologia creșterii ovinelor și caprinelor, Ed. Didactică și Pedagogică București 5. Ștefănescu Gheorghe și colab., 2000, Creșterea ovinelor în ferme mici și mijlocii, Ed. Corvin Deva. 6. Pascal C., 2007, Tehnologia creșterii ovinelor, Ed. Alfa, Iași 7. Pascal C., 2007, tehnica aprecierii și evaluării performanțelor productive la ovine și caprine, Ed. Alfa, Iași 8. Taftă V., 1983, Creșterea și exploatarea intensivă a ovinelor. Ed. Ceres, București. 9. Taftă V., 1997, Producția, ameliorarea și reproducția ovinelor, Ed. Ceres, București.		
8.2 Seminar	Teaching methods	Nr. Ore / Observații
8.3 Laboratory		
1. Rules of safety in the laboratory.		2
2. Approach and contentions of sheep	Exposure, discussions with students, working at the laboratory (interactive activity). Output field	2
2. The technique of appreciating the exterior - body regions	Exposure, discussions with students, working at the laboratory	8

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<ul style="list-style-type: none"> <li>- -colors in sheep</li> <li>- -marking of sheep</li> <li>- -determining age in sheep</li> <li>- -methods for measuring the exterior</li> <li>- -constitutional types</li> <li>- -morphological types of production</li> </ul>	(interactive activity). Output field	
3. Sheep breeds-recognition	Exposure, discussions with students, working at the laboratory (interactive activity). Output field	8
4. Sheep production - the wool production and the appreciation of its characteristics (the characteristics of the wool strand, the wool fiber morphological structure, the histological structure, the ways of differentiating the wool fiber from other textile fibers, the determination of the wool fineness, the waves, the determination of the wool length, the wool destilation, traction and extensibility of wool fibers, organization and technique of haircut, preindustrial wool sorting, determination of moisture and wool yield) - meat production and appreciation of its quality (organization and control of fattening, appreciation of livestock fattening, assessment of fattening after slaughtering, carcass cutting, tissue structure of carcass) production of milk and appreciation of its attributes (milking technique, direct methods and indirect determination of milk production)	Exposure, discussions with students, working at the laboratory (interactive activity). Output field	8
8.4 Project		
<b>Bibliografie</b> 1. Dărăban Stelian, 2006, tehnologia creșterii ovinelor, Ed. Risoprint Cluj-Napoca 2. Maerescu Cristina Maria, 2007, <i>Aspecte practice de creștere a ovinelor</i> , Ed. Universității din Oradea 3. Maerescu Cristina Maria, Cornel Man, 2007, <i>Condiții tehnologice și de igienă pe filiera lapte în fermele de ovine</i> , Ed. Universității din Oradea. 4. Pop A., Lăbușcă I. și colab., 1983, Tehnologia creșterii ovinelor și caprinelor, Ed. Didactică și Pedagogică București 5. Ștefănescu Gheorghe și colab., 2000, Creșterea ovinelor în ferme mici și mijlocii, Ed. Corvin Deva. 6. Pascal C., 2007, Tehnologia creșterii ovinelor, Ed. Alfa, Iași 7. Pascal C., 2007, tehnica aprecierii și evaluării performanțelor productive la ovine și caprine, Ed. Alfa, Iași 8. Taftă V., 1983, Creșterea și exploatarea intensivă a ovinelor. Ed. Ceres, București. 9. Taftă V., 1997, Producția, ameliorarea și reproducția ovinelor, Ed. Ceres, București		

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\* 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.

### 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

<p>It will make a description of how the content of discipline may respond in terms of existing occupations in the labour market.</p> <ul style="list-style-type: none"> <li>• Through learning concepts and practicalities teoretice approach included in the discipline of Raising sheep and goats, the students gained a wide knowledge baggage according to partial competences required for occupations possible in the grid 1-RNCIS</li> <li>• the course exists in curriculum studies of universities and faculties in Romania</li> </ul>
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### 10. Evaluare

Tip activitate	10.1 Evaluation criteria	10.2 Evaluation methods	10.3 Share in the final grade
Type of activity	Examen programat în sesiunea de examen	Written examination	90%
10.4 Course			
10.5 Seminar		reports practical evidence	10%
10.6 Laboratory	Evaluation in the context of the work of the laboratory is a continuous assessment.		
10.7 Project			
10.8 Minimum standard of performance			

Data completării  
01.10.2015

Semnătura titularului de curs  
Conf. Dr. Ing. Maerescu Cristina  
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Semnătura titularului de seminar/laborator/proiect  
Conf. Dr. Ing. Maerescu Cristina



Data avizării în departament  
03.10.2015

Semnătura directorului de departament  
Conf. Dr. Ing. Maerescu Cristina



Semnătură Decan  
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