Anexa 6

CURRICULA

1. Program data

1.1Higher education institution	**UNIVERSITY OF ORADEA**
1.2 Faculty	**ENVIRONMENTAL PROTECTION**
1.3 Department	**ZOOTECHNICS AND AGROTOURISM**
1.4 Field of studies	**ZOOTECHNICS**
1.5 Cycle of studies	**GRADUATION PAPER**
1.6 Study Program / Qualification	**ZOOTECHNICS/ ENGINEER**

2. Data on discipline

2.1 Name of the discipline	**BIRDS BREEDING II.**						
2.2 Course holder	**LECTURER DR.ENG. DODU MONICA ANGELICA**						
2.3 Seminar / laboratory / project owner	**LECTURER DR.ENG. DODU MONICA ANGELICA**						
2.4 Year of study	**IV**	2.5 Semester	**VII**	2.6 Type of evaluation	**Ex**	2.7 Type of discipline	**I**

(I) Imposed; (O) Optional; (F) Facultative

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

3.1 Number of hours per week	**4+1**	of which: 3.2 lecture	**2**	3.3 seminar/laboratory/project	**2+1**
3.4 Total hours of the curriculum	**70**	of which: 3.5 lecture	**28**	3.6 seminar/laboratory/project	**28+14**

Distribution of time	hours
Study after manual, course support, bibliography and notes	**15**
Additional documentation in the library, on the specialized electronic platforms and on the field	**29**
Training seminars / laboratories, themes, papers, portfolios and essays	**20**
Tutorial	**4**
Examinations	**2**
Other activities.....	

3.7 Total hours of individual study	**70**
3.9 Total hours per semester	**140**
3.10 Number of credits	**4+1**

4. Preconditions (where applicable)

4.1 of curriculum	Basic knowledge of general theoretical notions of management
4.2 of competence	

5. Conditions (where applicable)

5.1. lecture deploy	Classroom, laptop, videoprojector.

5.2. deploy of seminar/laboratory/project	Well-equipped seminar room.

6. Specific skills accumulated	
Professional skills	-To know the elaboration, implementation and coordination of the technological processes specific to animal husbandry. -To carry out technical projects for setting up / modernizing livestock breeding, fish farming and aquaculture and for accessing financial resources. -It knows how to access the sources for consulting and extension services in the field of animal husbandry.
Transversal skills	- To know and to observe, to work and to accomplish their own tasks with professionalism and rigor. - To be self-assessed through continuous professional training programs in order to adapt and constantly meet the economic requirements; the use of communication information techniques and at least one international language of circulation.

7. Objectives of the discipline (based on the specific skills grid)

7.1 General objective of the discipline	- Students' interest in the activities of teaching courses, practical activities in a modern way of approaching didactic activities.
7.2 Specific objectives	- Acquiring theoretical and practical knowledge by students needed to know the growth, exploitation of birds. - Applying effective communication techniques in team-specific activities; preparing students by combining practical and theoretical knowledge - Objective self-assessment of the need for continuous professional training in order to adapt and respond to the economic requirements.

8. Contents *

8.1 Lecture	Teaching methods	Nr.of hours / Observations
1. The raising and exploitation of hens for meat production 1.1Chemical composition of meat 1.2 Organoleptic, physical and technological characteristics of the meat 1.3 Factors influencing the quantitative and qualitative production of meat	Conversation, exposure, debate	**2**
2. Production of chicken meat 2.1 Breeding broiler systems and technologies	Exposition, debate, participatory lecture,	**2**

2.1 1 Extensive Growth System 2.1.2 Intensive Growth System 2.1.3 Superintensive growth system 2.2 Growth technology for heavy-breed hen-parents 2.3 Breeding and exploitation technology for adult breeding hens of heavy breeds 2.4 Growing and Exploitation Technology of "Mini Rock"		**2** **2**
3.Production of turkey meat 3.1 Growth technology for young breeding turkeys 3.2 Growth and exploitation technology of adult breeding turkeys 3.2.1 Growth and exploitation of adult turkeys during the breeding season 3.2.2 Growth and exploitation of adult breeding turkeys after 31 weeks of age	Conversation, Exposition, Debate, Participatory Lecture	**2** **2** **2**
4.Production of duck meat 4.1 Breeding technology for Pekin duck youth for breeding 4.2 Growth technology for Pekin duck youth during the preparation for egg production 4.3 Growth and exploitation technology of Pekin breeding adult ducks 4.4 Breeding technology for duck bovine meat 4.4.1 Growing technology on permanent litter 4.4.2 Grid growth technology 4.4.3 Growth technology in summer camps 4.4.4 Growth technology on aquatic surfaces 4.4.5 Battery growth technology	Conversation, Exposition, Debate, Participatory Lecture	**2** **2** **2**
5. 5.Production of goose meat 5.1 Young goose breeding technology for breeding 5.2 Growth and exploitation technology of adult breeding hares 5.3 The technology of raising goose meat for goats	Conversation, Exposition, Debate, Participatory Lecture	**2** **2**
6.Integrated poultry technologies.	Conversation, Exposition, Debate, Participatory Lecture	**2**
7.Valorization of meat production 7.1 Transport and preparation of poultry for slaughter 7.2 Bird slaughtering technology 7.3 Particularities of slaughtering palmipeds	Conversation, Exposition, Debate, Participatory Lecture	**2**

Bibliography:

1. Chereji I., – Tehnologii de creştere a animalelor, Ed. Universităţii din Oradea, 2004
2. Chereji I.,– Tehnologia creşterii găinilor ouătoare, Ed.universităţii din Oradea, 2008
3. Chereji I.,– Păsări-îndrumător practic, Ed.universităţii din Oradea, 2008.
4. Driha, A., - Curs de tehnologia creşterii păsărilor, 2000.
5. Dodu M., –Creşterea păsărilor, Ed.Universităţii din Oradea, 2011
6. Dodu M., –Creşterea păsărilor, noţiuni practice, Ed.Universităţii din Oradea, 2011
7. Usturoi M.G., şi colab.-Tehnologii de creştere a păsărilor,Ed. Alfa,Iaşi,2005
8. Vacaru-Opriş I., şi colab. – Tratat de avicultură, Vol. I, Ed. Ceres, Buc., 2002
9. Vacaru-Opriş I., şi colab. – Tratat de avicultură, Vol. II., Ed. Ceres, Buc., 2002
10. Vacaru-Opriş I., şi colab. – Tratat de avicultură, Vol. III, Ed. Ceres, Buc., 2004

8.2 Seminar	Teaching methods	Nr.of hours / Observations
8.3 Laboratory		
1. Artificial Incubation 1.1 Incubation regime 1.1.1Temperatura 1.1.2 Air humidity 1.1.3 Ventilation 1.1.4 The return of the eggs 1.2 Factors influencing the quality of hatching eggs 1.3 Quality indices of hatching eggs 1.3.1 Freshness of eggs 1.3.2 Quality Morphological Indicators 1.3.3 Quality Physicochemical Indicators	Exposition, debate, participatory lecture,	**2** **2** **2** **2** **2** **2**
2. Incubation equipment 2.1 Installations and equipment of incubators 2.1.1 Cooling system 2.1.2 Air heating system 2.1.3 Air humidification system 2.1.4 Ventilation installation 2.1.5 The return of the eggs 2.1.6 Alarm system 2.1.7 Incubation recording equipment	Exposition, debate, participatory lecture,	**2** **2** **2** **2** **2** **2**
3. Types of incubators 3.1 CLEO-5 Electric Incubator 3.2 Incubator I.V.-1.2 3.3 Incubator I.V.-5M 3.4 Incubator I.V.-120 3.5 Volume Volume Incubator I.V.-60 3.6 Volumetric flap E.V.-60	Exposition, debate, participatory lecture,	**2** **2** **2** **2**
8.4 Project		
Individual themes designing a farm for the breeding and exploitation of birds.	Presentation of the individual theme, conversations, demonstrations	**2**

Description of the technological exploitation system	Conversation, case study, demonstration	**2**
Study of biological material.	Conversation, case study, demonstration	**2**
Location, farm size of the annexed spaces	Conversation, case study, demonstration	**2**
Design of technological installations: fodder, watering, lighting, ventilation.	Conversation, case study, demonstration	**2**
Optimizing Nutrition and Calculating Annual Feeding Requirements.	Conversation, case study, demonstration	**2**
	Conversation, case study, demonstration	**2**

Bibliography:

1. Chereji I., – Tehnologii de creştere a animalelor, Ed. Universităţii din Oradea, 2004
2. Chereji I.,– Tehnologia creşterii găinilor ouătoare, Ed.universităţii din Oradea, 2008
3. Chereji I.,– Păsări-îndrumător practic, Ed.universităţii din Oradea, 2008.
4. Driha, A., - Curs de tehnologia creşterii păsărilor, 2000.
5. Dodu M., –Creşterea păsărilor, Ed.Universităţii din Oradea, 2011
6. Dodu M., –Creşterea păsărilor, noţiuni practice, Ed.Universităţii din Oradea, 2011
7. Usturoi M.G., şi colab.-Tehnologii de creştere a păsărilor,Ed. Alfa,Iaşi,2005
8. Vacaru-Opriş I., şi colab. – Tratat de avicultură, Vol. I, Ed. Ceres, Buc., 2002
9. Vacaru-Opriş I., şi colab. – Tratat de avicultură, Vol. II., Ed. Ceres, Buc., 2002
10. Vacaru-Opriş I., şi colab. – Tratat de avicultură, Vol. III, Ed. Ceres, Buc., 2004

* The content or 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.Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of the program

10. Assessment

Type of activity	10.1 Assessment criteria	10.2 Assessment methods	10.3 Percentage of the final grade
10.4 Lecture	-The language assimilation, correctness, completeness of knowledge, logical consistency.	Oral assessment (final exam session)	50%
10.5 Seminar			
10.5 Laboratory	-capacity of application of knowledge in practice; -capacity to work with	Oral assessment (final exam session)	20%

	assimilated knowledge; - Criteria for attitudinal criteria: interest for individual study.		

10.7 Project	the ability to work with assimilated knowledge; - Criteria for attitudinal criteria: interest for individual study	Oral Assessment (final exam session)	30%
10.8 Minimum performance standard: Knowledge of biology, bird breeding and exploitation technology, as well as methods of harvesting, processing and capitalizing on poultry products.			

Date	Signature of course holder **	Signature of seminar/laboratory project holder**
01.10.2022	Lecturer dr. eng.Dodu Monica monica_dodu @yahoo.com	Lecturer dr. eng.Dodu Monica monica_dodu @yahoo.com

Date of approval in the department

Signature of department director

Lecturer dr. eng.Dodu Monica
monica_dodu @yahoo.com

Signature of Dean

Assoc.prof.dr.ing.Maerescu Cristina Maria
Cristina_maerescu@yahoo.com