University of Life Sciences "Ion Ionescu de la Brad" Iaşi
Faculty: Veterinary Medicine
Specialty: Veterinary Medicine
Department: Public Health

Approved,
Dean
Prof. Mihai Mareş, PhD

SYLABUS OF THE COURSE

1. Identification data of the course

1.1 Higher education institution	University of Life Sciences "Ion Ionescu de la Brad" Iasi
1.2 Faculty	Veterinary Medicine
1.3 Department	Public health
1.4 Field	Veterinary Medicine
1.5 Cycle of studies	Bachelor and Master (unitary study programme)
1.6 Studies programme	Veterinary Medicine

2. Information regarding the course

2.1 Name	**Anatomy of Animals, Second year of study, Second semmester (IV)**							
2.2 Lecture coordinator	Associate professor, Mihaela Claudia Spataru							
2.3 Practical activities coordinator	Assistant professor Alexandru Munteanu Assistant professor Costica Covasa							
2.4 Year of study	II	2.5 Semester	IV	2.6 Evaluation type	summative	2.7 Course status	Content Compulsory	FD CD

3. Structure of the course (hours/semester of didactic activities)

3.1 Number of hours/week	5	from which: 3.2 lecture	2	3.3 seminar/practical work	3
3.4 Total number of hours in curricula	70	from which: 3.5 lecture	28	3.6 seminar/practical work	42

Time distribution	hours
Study by manual, bibliography and lecture notes	30
Additional study in library, specialty electronic sources and on the field activities	25
Preparing for laboratory activities, homework,projects, portofolios and essays	6
Tutoring	8
Examinations	9
Other activities	2

3.7 Total hours of individual study	80
3.9 Total hours/semester	150
3.10 Number of credits	5

4. Pre-requisites

4.1 curriculum	• Anatomy, Cell biology, Anatomy of first year of study, Biology of animals, vascularization and innervation of the body structures
4.2 competencies	• The student must have knowledge regarding the basic concepts of anatomy and cell biology, regional bones, muscles and joints, digestive, respiratory, uro-genital systems and sense organs

5. Conditions

5.1. for conducting the lectures	The course is interactive; students can ask questions regarding the content of the presentation. The use of mobile phones is strictly forbidden; Getting late, leaving the lecture or skipping classes is forbidden.
5.2. for conducting the practical activities	The students should wear protective uniforms; the experiments will be conducted under the direct supervision of the laboratory responsible; all samples will be collected/interpreted

	under the direct supervision of the laboratory responsible At practical work is required to study the materials presented in the lectures; each student will conduct an individual activity using the laboratory materials provided.

6. Acquired specific competences

Professional competencies	- Knowing the specific position of each structure of the body in main domestic species - Making the connection between the function and structure of each system and the connection with the others.
Cross (transversal) competencies	- Knowing the correct position of structures in the body - Preparing students for surgery, clinical stages, pathological anatomy or food safety control - Development of medical thinking and analysis

7. Course objectives (based on the list of competences acquired)

7.1 General objective of the course	- through dissection, the student becomes efficient in investigation of the regional structures - learning the normal aspect and position of the body structures
7.2 Specific objectives	- using the form-function, cause-effect principle in understanding the interdependence of function of the body structures - developing the abilities in dissection, used in surgery and medical practice

8. Content

8.1 Lectures	**Teaching methods**	**No. of hours**
The head and neck of the domestic animals (horses, ruminants, pigs, dogs and cats)	Power Point presentation, by drawing or making schema	**6**
The thorax of the animals		**4**
The abdomen and pelvic cavity at domestic animals		**6**
The forelimb of the domestic animals		**4**
The hindlimb of the domestic animals		**4**
The specific place for anesthesia of nerves and approach of the main veins, arteries, lymph nodes and organs		**4**
TOTAL HOURS - Lectures		**28**

Bibliography

1. Budras, K. D.; Sack, O. K. & Rock, S. (2005) Anatomy of the Horse, ISBN 978-3-89993-044-3
2. Budras, K.D. & Habel, R.E. (2011). Bovine Anatomy, 2nd edition, Schlütersche Verlagsgesellschaft mbH & Co. KG, Hannover
3. Coțofan, V. & Predoi, G. (2003) Anatomia topografică a animalelor domestice, Ed. BIC ALL București ISBN 973-571-459-0
2. Dyce KM, Sack WO, Wensing CJ. (2008) The head and ventral neck of the horse. Textbook of Veterinary Anatomy. Philadelphia: WB Saunders; 2002:479-509
3. König, H.E.& Liebich, H-G (2004) Veterinary Anatomy of Domestic Mammals, Textbook and Colour Atlas, ISBN 3-7945-2101-3
4.Lecture notes according to subject syllabus

8.2 Seminar / Laboratory/Practical work	**Teaching methods**	**No. of hours**
The head and neck of the domestic animals (horses, ruminants, pigs, dogs and cats)	Dissection Identifying structures on fresh and conservated corpses	**12**
The thorax and abdomen in animals		**12**
The forelimb of the domestic animals		**9**
The hindlimb of the domestic animals		**9**
TOTAL HOURS - Laboratory activities		**42**

Bibliography

1. Budras, K. D.; Sack, O. K. & Rock, S. (2005) Anatomy of the Horse, ISBN 978-3-89993-044-3
Budras, K.D. & Habel, R.E. (2011). Bovine Anatomy, 2nd edition, Schlütersche Verlagsgesellschaft mbH & Co. KG, Hannover.
2. Constantinescu, Gh.M. (2018) Illustrated veterinary Anatomical Nomenclature, 4th Edition, Georg Thieme Verlag, ISBN 978-3-13-242517-0
3. Coțofan, V. et al (2003) Anatomia animalelor domestice, vol 2, Ed. Orizonturi Universitare Timișoara, ISBN978-973-638-325-0
4. Dyce KM, Sack WO, Wensing CJ. (2008) The head and ventral neck of the horse. Textbook of Veterinary Anatomy. Philadelphia: WB Saunders; 2002:479-509
5. König, H.E.& Liebich, H-G (2004) Veterinary Anatomy of Domestic Mammals, Textbook and Colour Atlas, ISBN 3-7945-2101-3
6. Laboratory notes

9.Corroborating the contents of the discipline with the expectations of community representatives, professional associations and representative employers in the field of the program

- In order to improve the content and the choice of teaching / learning methods, the discipline holders participated in European vocational training programs (POSDRU), have met with members of the professional communities in Romania, as well as with other teachers in the field, representatives of other higher education institutions in the country and the European Union (Erasmus mobility). The meetings aimed at identifying the needs and expectations of employers in the field and coordinating curricula with other similar programs within other higher education institutions in Europe.

10.Evaluation

Activity type	Evaluation criteria	Evaluation Methods	% of final mark
10.1 Lecture	Knowing of the regional structures of the body	**Written exam**	**60**
10.2 Seminar /laboratory activities	Laboratory attendance, laboratory activity	Continuous evaluation	10
	Practical exam	Practical exam	30

11. Minimal standard of performance

Minimum requirements (for 5):	**Maximum requirements (for 10):**
Knowing of the compound of apparata in domestic mammals and poultry	Knowing the particularities of the organes in principal species of the domestic animals Kowing the projection of the organs on the walls of the thoracic, abdominal and pelvic cavities

Date
9.IX. 2021:

Signature of course coordinator,
Assoc. Prof. PhD, Mihaela Claudia SPATARU

Signature of practical coordinator,
Assist. PhD Alexandru MUNTEANU

Assist. PhD Costica COVASA

Approved in Department
14.IX.2021

Signature of Department Director,
Assoc. Prof., PhD Viorel FLORISTEAN

Approved by Faculty Council on 17.09.2021