

Ministry of education and science of Ukraine
Sumy national agrarian university
Faculty of Veterinary Medicine
Department of Internal Medicine, Pharmacy and Biochemistry

MODULE SYLLABUS

Anatomy with Latin veterinary terminology

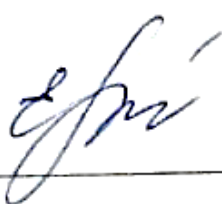
(compulsory)

Implemented in the “**Veterinary medicine**” Academic Program

Area of specialization **H6 “Veterinary medicine”**

at the second (master's) level of higher education

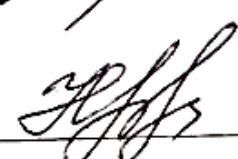
Sumy-2025

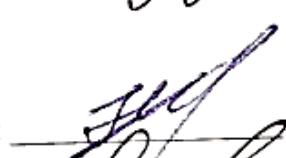
Author:  Yevheniia-LIVOSHCHENKO Associate Professor

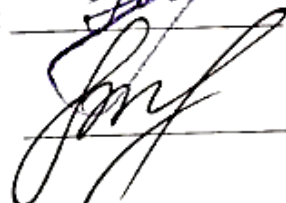
Module syllabus agreed at the Department of Internal Medicine, Pharmacy and Biochemistry	Minutes No 17 dated June 09 2025
	Head of Department <u></u> Alexander NECHIPORENKO

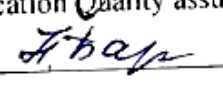
Approved by:

Guarantor of the Academic program  Alexander CHEKAN

Dean of the Faculty of Veterinary Medicine  Liudmyla NAHORNA

Syllabus review (attached) is provided by:  Yurii MUSHENKO

 Larisa PLYUTA

Representative of the Department of Education Quality assurance,
licensing and accreditation  N. Baryshev

Registered in electronic data base 30.06. 2025

Syllabus review data:

The academic year in which changes are made	The Academic program attachment number with changes description	Changes revised and approved		
		Minutes No and date of the department meeting	Head of Department	Guarantor of the Academic program

1. MODULE OVERVIEW

1.	Title	Anatomy with Latin veterinary terminology		
2.	Faculty/Department	Faculty of Veterinary Medicine/ Internal Medicine, Pharmacy and Biochemistry		
3.	Type (compulsory or optional)	compulsory		
4.	Program(s) to which module is attached (to be filled in for compulsory types)	H6 - Veterinary medicine/ Faculty of Veterinary Medicine		
6.	Level of the National Qualifications Framework	7		
7.	Semester and duration of module	1 Semester /1-15; 2 Semester /1-15; 3 Semester /1-15		
8.	ECTS credits number	15 (4/6/5)		
9.	Total workload and time allotment	Directed study		
		Lectures	Practicals	Labs
10.	Total workload and time allotment (450)	58 14/30/14	60 30/0/30	106 16/60/30
11.	Language of instruction	English		
12.	Module leader	Associate Professor Yevheniia LIVOSHCHENKO		
13.	Module leader contact information	Faculty of Veterinary Medicine. Department of Anatomy, Normal and Pathological Physiology. G. Kondratieva Street 160/3, office 19, room 4. T.050-913-60-82		
14.	Module description	The discipline "Anatomy with Latin veterinary terminology" is one of the fundamental disciplines, which covers the structure of the body of animals of different species.		
15.	Module aim	The aim is to study the structure of the body of domestic animals in inseparable connection with its functions and development.		
	Module Dependencies (prerequisites, co-requisites, incompatible modules)	1. The educational component is based on zoology, Latin 2. The educational component is the basis for physiology, history, obstetrics, clinical diagnosis, therapy, surgery, veterinary examination and other sections of veterinary medicine. 3. Educational component incompatible with the economy, mechanization		
16.	The policy of academic integrity	During the study of the educational component, any manifestations of academic dishonesty are not allowed. Systems are tools for counteracting violations of academic integrity "Plagiarism check algorithm". In case of violations, the response is in accordance with the regulations on the academic integrity of participants in the educational process in Sumy NAU (https://snau.edu.ua/viddil-zabezpechennya-yakosti-osviti/zabezpechennya-yakosti-osviti/akademichna-dobrochesnist/). If a violation of academic integrity is detected, the completed task is not credited and is sent for re-execution		
17.	Link in Moodle	https://cdn.snau.edu.ua/moodle/course/view.php?id=3149 https://cdn.snau.edu.ua/moodle/course/view.php?id=3163 https://cdn.snau.edu.ua/moodle/course/view.php?id=3164		

2. CORRELATION BETWEEN MODULE LEARNING OUTCOMES (MLOs) AND PROGRAM LEARNING OUTCOMES (PLOs)

MLOs: On successful completion of the module the learner will be able to:	PLOs		How assessed
	PLOs ₁	PLOs ₃	
MLO 1. Be able to read and write in Latin, emphasize; to make word-forming analysis and freely construct veterinary terms on the basis of the received knowledge. Find all directions and areas of the body on the animal. Be able to name them using Latin terminology.	+	+	Oral interview after studying the topic using native drugs. -testing, -performance of tasks of independent work
MLO 2. To find on a preparation components of bones of a skeleton, to reveal specific features of bones and to describe them using Latin terminology	+	+	Oral interview after studying the topic using native drugs. -testing; -performance of tasks of independent work
MLO 3. Find joints on an animal or skeleton. Find the connections of the axial and peripheral skeleton on the drug, and be able to describe them using Latin terminology.	+	+	Oral interview after studying the topic using native drugs. -testing; -performance of tasks of independent work
MLO 4. To find on the skin its layers and derivatives of the skin, to identify species and age features of both the skin and its derivatives. Be able to describe them using Latin terminology	+	+	Oral interview after studying the topic using native drugs. -testing; -performance of tasks of independent work
MLO 5. Find muscles on the drug, identify species features, and find muscle attachment points and their functions. Be able to name them and their functions using Latin terminology	+	+	Oral interview after studying the topic using native drugs. -testing; -performance of tasks of independent work
MLO 6. Find in the body the components of various systems and devices. Identify their species features, know the topography of organs. Be able to describe organs using Latin terminology.	+	+	Oral interview after studying the topic using native drugs. -testing, -performance of tasks of independent work
MLO 7. Find the components of the heart on the drug. Find all the main vessels and branches that branch off from them. Find all major lymph vessels and nodes. Know the structure of hematopoietic organs and organs of the endocrine system. Be able to describe them using Latin terminology	+	+	Oral interview after studying the topic using native drugs. -testing, -performance of tasks of independent work
MLO 8. Find the spinal cord, brain on the drug and their components. Find nerves and their branches on the drug and the animal, identify their topographic features. Be able to name them using Latin terminology	+	+	Oral interview after studying the topic using native drugs. -testing, -performance of tasks of independent work
MLO 9. Know the structure of analyzers. Find on the drug components of the senses to identify their species characteristics. Be able to describe them using Latin terminology	+	+	Oral interview after studying the topic using native drugs. -testing, -performance of tasks of independent work
MLO 10. Know the structure of poultry organs, determine the location of individual organs in different parts of the bird's body. Be able to describe them using Latin terminology	+	+	Oral interview after studying the topic using native drugs. -testing, -performance of tasks of independent work

3. MODULE INDICATIVE CONTENT

Autumn semester (1 year, 1 semester)

Topics	Distribution of hours				Learning resources
	Directed study			Self-directed study	
	Lectures	Practicals	Labs		No (from the list of Learning resources)
Topic 1. Phonetics. Learning the Latin alphabet and rules of stress		14		10	1, 2, 10, 11, 12, 14, 15.
Topic 2. Conjugation of Latin nouns.		14		10	1, 2, 10, 11, 12, 14, 15.
Topic 3. Veterinary terminology		18		10	1, 2, 10, 11, 12, 14, 15.
Topic 4. Biomorphological patterns of structure and development of the organism. The structure of the axial skeleton.	6		6	22	3, 4, 5, 6, 12, 13, 14.
Topic 5. Skeleton of the extremities.	2		6	12	3, 4, 5, 6, 12, 13, 14.
Topic 6. The structure of the skull.	2		4	10	3, 4, 5, 6, 7, 12, 13, 14.
TOTAL HOURS FOR AND SEMESTER	14	46	16	74	

Spring semester (1 year, 2 semester)

Topics	Distribution of hours					Learning resources
	Directed study			Self-directed	Educational practice:	
	Lectures	Practicals	Labs			No (from the list of Learning resources)
Spring semester (first year, second semester)						
Topic 1. Syndesmology.	4		6	4		3, 4, 12, 13, 14.
Topic 2. Dermatology.	4		4	4		3, 4, 12, 13, 14.
Topic 3. Myology.	4		18	4		3, 4, 12, 8, 13, 14.
Topic 4. Digestive system	8		14	8		3, 4, 12, 13, 14.
Topic 5. Respiration apparatus.	4		6	4		3, 4, 12, 13, 14.
Topic 6. Genitourinary system	6		12	6		3, 4, 12, 13, 14.
Topic 7. The structure of the heart. Circulation in the fetus and adult animal	4		6	4		3, 4, 12, 13, 14.
Educational practice:						
Topic 1. Management. Acquaintance of students with rules of safety of work with live animals.					6	3, 4, 12, 13, 14.
Topic 2. Study on a live animal of body parts, projections of skeletal bones, joints and skin with its derivatives.					12	3, 4, 12, 13, 14.
Topic 3. Study of the location and relationship with the skeleton of the muscles in a living animal.					10	3, 4, 12, 13, 14.
Topic 4. Study of the location of the nervous and vascular systems on the body of the animal.					10	3, 4, 12, 13, 14.
Topic 5. Features of the structure and topography of the digestive and respiratory systems.					10	3, 4, 12, 13, 14.
Topic 6. Determining the location of					10	3, 4, 12, 13, 14.

the respiratory organs and urogenital system on a live animal.						
Topic 7. Summing up.					2	3, 4, 12, 13, 14.
TOTAL HOURS FOR 2 SEMESTERS	30	-	60	30	60	

Autumn semester (2 year, 3 semester)

Topics	Distribution of hours					Learning resources
	Directed study			Self-directed study	Educational	No
	Lectures	Practicals	Labs			
Topic 1. The structure of the heart. Circulation in the fetus and adult animal	2	4	2	8		1, 2, 4, 5, 6, 7, 8, 9
Topic 2. Vessels of the great circle of blood circulation. Lymphatic system.	4	8	10	22		1, 2, 4, 5, 6, 7, 8, 9
Topic 3. Central nervous system	2	4	6	12		1, 2, 6, 7, 8, 9
Topic 4. Cranial and spinal nerves.	2	4	6	12		1, 2, 6, 7, 8, 9
Topic 5. Autonomic nervous system.	2	2	2	6		1, 2, 6, 7, 8, 9
Topic 6. Sense organs.	2	4	2	8		1, 2, 7, 8, 9
Topic 7. Anatomy of a bird.		4	2	8		1, 2, 3, 5, 6, 7, 8, 9
TOTAL HOURS FOR 3 SEMESTERS	14	30	30	76		
Total for the course	58	60	106	166	60	

4. TEACHING AND LEARNING METHODS

MLOs	Teaching methods (directed study)	Hours	Learning methods (self-directed study)	Hours
MLO 1. Be able to read and write in Latin, emphasize; to make word-forming analysis and freely construct veterinary terms on the basis of the received knowledge. Find all directions and areas of the body on the animal. Be able to name them using Latin	Methods of teaching by source of knowledge: Verbal: story, explanation, conversation (heuristic and reproductive), lecture, instruction. Visual: demonstration, illustration. Active methods: (use of technical teaching aids, use of training and control tests) Interactive teaching methods: (use of multimedia technologies, spreadsheets.	30	Methods of teaching by source of knowledge: Verbal: work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), Visual: observation. Teaching methods by the nature of the logic of cognition (analytical, synthesis methods, inductive method, deductive method, translational method). Active methods (mind maps, brainstorming, crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research). Interactive learning technologies (use of multimedia technologies, dialogue learning, student cooperation (cooperation)	30

terminology.				
MLO 2. To find on a preparation components of bones of a skeleton, to reveal specific features of bones and to describe them using Latin terminology	Methods of teaching by source of knowledge: Verbal: story, explanation, conversation (heuristic and reproductive), lecture, instruction. Visual: demonstration, illustration. Active methods: (use of technical teaching aids, use of training and control tests) Interactive teaching methods: (use of multimedia technologies, spreadsheets.	30	Methods of teaching by source of knowledge: Verbal: work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), Visual: observation. Teaching methods by the nature of the logic of cognition (analytical, synthesis methods, inductive method, deductive method, translational method). Active methods (mind maps, brainstorming, crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research). Interactive learning technologies (use of multimedia technologies, dialogue learning, student cooperation (cooperation))	30
MLO 3. Find joints on an animal or skeleton. Find the connections of the axial and peripheral skeleton on the drug, and be able to describe them using Latin terminology.	Methods of teaching by source of knowledge: Verbal: story, explanation, conversation (heuristic and reproductive), lecture, instruction. Visual: demonstration, illustration. Active methods: (use of technical teaching aids, use of training and control tests) Interactive teaching methods: (use of multimedia technologies, spreadsheets.	10	Methods of teaching by source of knowledge: Verbal: work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), Visual: observation. Teaching methods by the nature of the logic of cognition (analytical, synthesis methods, inductive method, deductive method, translational method). Active methods (mind maps, brainstorming, crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research). Interactive learning technologies (use of multimedia technologies, dialogue learning, student cooperation (cooperation))	10
MLO 4. To find on the skin its layers and derivatives of the skin, to identify species and age features of both the skin and its derivatives. Be able to	Methods of teaching by source of knowledge: Verbal: story, explanation, conversation (heuristic and reproductive), lecture, instruction. Visual: demonstration, illustration. Active methods: (use of technical teaching aids, use of training and control tests) Interactive teaching	8	Methods of teaching by source of knowledge: Verbal: work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), Visual: observation. Teaching methods by the nature of the logic of cognition (analytical, synthesis methods, inductive method, deductive method, translational method). Active methods (mind maps, brainstorming, crossword puzzles,	8

describe them using Latin terminology	methods: (use of multimedia technologies, spreadsheets.		debates, round tables, binary classes, business and role-playing games, group research). Interactive learning technologies (use of multimedia technologies, dialogue learning, student cooperation (cooperation)	
MLO 5. Find muscles on the drug, identify species features, and find muscle attachment points and their functions. Be able to name them and their functions using Latin terminology	Methods of teaching by source of knowledge: Verbal: story, explanation, conversation (heuristic and reproductive), lecture, instruction. Visual: demonstration, illustration. Active methods: (use of technical teaching aids, use of training and control tests) Interactive teaching methods: (use of multimedia technologies, spreadsheets.	22	Methods of teaching by source of knowledge: Verbal: work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), Visual: observation. Teaching methods by the nature of the logic of cognition (analytical, synthesis methods, inductive method, deductive method, translational method). Active methods (mind maps, brainstorming, crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research). Interactive learning technologies (use of multimedia technologies, dialogue learning, student cooperation (cooperation)	22
MLO 6. Find in the body the components of various systems and devices. Identify their species features, know the topography of organs. Be able to describe organs using Latin terminology.	Methods of teaching by source of knowledge: Verbal: story, explanation, conversation (heuristic and reproductive), lecture, instruction. Visual: demonstration, illustration. Active methods: (use of technical teaching aids, use of training and control tests) Interactive teaching methods: (use of multimedia technologies, spreadsheets.	50	Methods of teaching by source of knowledge: Verbal: work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), Visual: observation. Teaching methods by the nature of the logic of cognition (analytical, synthesis methods, inductive method, deductive method, translational method). Active methods (mind maps, brainstorming, crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research). Interactive learning technologies (use of multimedia technologies, dialogue learning, student cooperation (cooperation)	50
MLO 7. Find the components of the heart on the drug. Find all the main vessels and	Methods of teaching by source of knowledge: Verbal: story, explanation, conversation (heuristic and reproductive), lecture, instruction. Visual: demonstration,	30	Methods of teaching by source of knowledge: Verbal: work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), Visual: observation. Teaching methods by the nature of	30

branches that branch off from them. Find all major lymph vessels and nodes. Know the structure of hematopoietic organs and organs of the endocrine system. Be able to describe them using Latin terminology	illustration. Active methods: (use of technical teaching aids, use of training and control tests) Interactive teaching methods: (use of multimedia technologies, spreadsheets.		the logic of cognition (analytical, synthesis methods, inductive method, deductive method, translational method). Active methods (mind maps, brainstorming, crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research). Interactive learning technologies (use of multimedia technologies, dialogue learning, student cooperation (cooperation)	
MLO 8. Find the spinal cord, brain on the drug and their components. Find nerves and their branches on the drug and the animal, identify their topographic features. Be able to name them using Latin terminology	Methods of teaching by source of knowledge: Verbal: story, explanation, conversation (heuristic and reproductive), lecture, instruction. Visual: demonstration, illustration. Active methods: (use of technical teaching aids, use of training and control tests) Interactive teaching methods: (use of multimedia technologies, spreadsheets.	30	Methods of teaching by source of knowledge: Verbal: work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), Visual: observation. Teaching methods by the nature of the logic of cognition (analytical, synthesis methods, inductive method, deductive method, translational method). Active methods (mind maps, brainstorming, crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research). Interactive learning technologies (use of multimedia technologies, dialogue learning, student cooperation (cooperation)	30
MLO 9. Know the structure of sense organs. Find on the components of the senses to identify their species characteristics. Be able to describe them using Latin terminology	Methods of teaching by source of knowledge: Verbal: story, explanation, conversation (heuristic and reproductive), lecture, instruction. Visual: demonstration, illustration. Active methods: (use of technical teaching aids, use of training and control tests) Interactive teaching methods: (use of multimedia technologies, spreadsheets.	8	Methods of teaching by source of knowledge: Verbal: work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), Visual: observation. Teaching methods by the nature of the logic of cognition (analytical, synthesis methods, inductive method, deductive method, translational method). Active methods (mind maps, brainstorming, crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research). Interactive learning technologies (use of multimedia technologies, dialogue learning, student cooperation (cooperation)	8

MLO 10. Know the structure of poultry organs, determine the location of individual organs in different parts of the bird's body. Be able to describe them using Latin terminology	Methods of teaching by source of knowledge: Verbal: story, explanation, conversation (heuristic and reproductive), lecture, instruction. Visual: demonstration, illustration. Active methods: (use of technical teaching aids, use of training and control tests) Interactive teaching methods: (use of multimedia technologies, spreadsheets.	6	Methods of teaching by source of knowledge: Verbal: work with a book (reading, translation, writing, taking notes, making tables, graphs, reference notes), Visual: observation. Teaching methods by the nature of the logic of cognition (analytical, synthesis methods, inductive method, deductive method, translational method). Active methods (mind maps, brainstorming, crossword puzzles, debates, round tables, binary classes, business and role-playing games, group research). Interactive learning technologies (use of multimedia technologies, dialogue learning, student cooperation (cooperation)	8
Total		224		224

5. ASSESSMENT

5.1. Diagnostic assessment

5.2. Summative assessment

5.2.1. Intended learning outcomes methods:

No	Summative assessment methods	Grades	Deadline
Autumn semester			
1.	Thematic survey	30 points/ 30 %	Weekly
2.	Execution of tasks in laboratory-practical classes	25 points /25 %	According to the schedule
3	Report with a presentation on the subject of independent study of the discipline	45 points / 45%	According to the schedule of delivery of modules
Spring semester			
1.	Thematic survey	30 points/ 30 %	Weekly
2.	Execution of tasks in laboratory-practical classes	25 points /25 %	According to the schedule
3	Report with a presentation on the subject of independent study of the discipline	30 points / 30%	According to the schedule of delivery of modules
4	Writing a education practice diary	15 points / 15 %	According to the schedule of educational practice
Autumn semester (2 year, 3 semester)			
1.	Thematic survey	20 points/ 20 %	Weekly
2.	Execution of tasks in laboratory-practical classes	20 points /20 %	According to the schedule
3	Report with a presentation on the subject of independent study of the discipline	30 points / 30%	According to the schedule of delivery of modules
4	Exam - writing	30 points/ 30 %	According to the schedule

5.2.2. Grading criteria

Autumn semester (1 year, 1 semester)

Summative assessment method	Unsatisfactory	Satisfactory	Good	Excellent
Thematic survey	<10 points	10-24 points	25-29 points	30 points
	The student can play only individual fragments of the course.	Most requirements are met, but some components are missing or insufficiently disclosed, there is no analysis of other approaches to the issue	All requirements of the task are fulfilled	All requirements of the task are fulfilled, creativity, thoughtfulness is shown, own solution of a problem is offered
Execution of tasks in laboratory-practical classes	<10 points	10-18 points	19-24 points	25 points
	Task requirements not met	Most of the tasks are performed using the basic theoretical principles, the student has difficulty explaining the rules for solving laboratory-practical problems. Execution of individual control tasks is significantly formalized, there is no deep understanding of the work	The student has mastered the basic material, and understands and performs laboratory-practical tasks, has suggestions on the direction of their solutions. Understands the main provisions that are decisive in the course, can solve similar problems that were discussed with the teacher, but admits a small number of inaccuracies. The student has mastered the basic material, and understands and performs laboratory-practical tasks, has suggestions for their solutions. Understands the main provisions that are decisive in the course, can solve similar problems by those discussed with the teacher, but allows a small number of inaccuracies.	The applicant implements the theoretical material of the discipline in the performance of laboratory and practical work, is able to analyze and compare the results obtained on the basis of acquired knowledge, skills, practical skills in this discipline
Report with a presentation	<10 points	10-25 points	26-39 points	40–45 points

on the subject of independent study of the discipline	The student does not have a complete understanding of the material on the discipline. The student did not perform independent study of the material.	Despite the fact that the student completed the curriculum, but some components are missing or insufficiently developed, the student worked passively.	Knows the basic provisions that are crucial in performing independent work / individual tasks. Errors in the answers are not significant.	All requirements, tasks are fulfilled, creativity, thoughtfulness is shown, own solution of a problem is offered.
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Spring semester (1 year, 2 semester)

Summative assessment method	Unsatisfactory	Satisfactory	Good	Excellent
Thematic survey	<10 points	10-24 points	25-29 points	30 points
	The student can play only individual fragments of the course.	Most requirements are met, but some components are missing or insufficiently disclosed, there is no analysis of other approaches to the issue	All requirements of the task are fulfilled	All requirements of the task are fulfilled, creativity, thoughtfulness is shown, own solution of a problem is offered
Execution of tasks in laboratory-practical classes	<10 points	10-18 points	19-24 points	25 points
	Task requirements not met	Most of the tasks are performed using the basic theoretical principles, the student has difficulty explaining the rules for solving laboratory-practical problems. Execution of individual control tasks is significantly formalized, there is no deep understanding of the work	The student has mastered the basic material, and understands and performs laboratory-practical tasks, has suggestions on the direction of their solutions. Understands the main provisions that are decisive in the course, can solve similar problems that were discussed with the teacher, but admits a small number of inaccuracies. The student has mastered the basic material, and understands and performs laboratory-practical tasks, has suggestions for their solutions. Understands the main provisions that are decisive in the course, can solve similar problems by those discussed with the	The applicant implements the theoretical material of the discipline in the performance of laboratory and practical work, is able to analyze and compare the results obtained on the basis of acquired knowledge, skills, practical skills in this discipline

			teacher, but allows a small number of inaccuracies.	
Design and presentation of self-developed material	<10 points	10-24 points	25-29 points	30 points
	The student does not have a complete understanding of the material on the discipline. The student did not perform independent study of the material.	Despite the fact that the student completed the curriculum, but some components are missing or insufficiently developed, the student worked passively.	Knows the basic provisions that are crucial in performing independent work / individual tasks. Errors in the answers are not significant.	All requirements, tasks are fulfilled, creativity, thoughtfulness is shown, own solution of a problem is offered.
Designing and protecting a diary of educational practice	<5 points	6-10 points	11-14 points	15 points
	The student lacks complete understanding of the subject material. The student was present in practice, but did not complete the task, the diary was not provided.	Despite the fact that the student completed the training program and the diary was completed, but individual components were missing or insufficiently worked out, the student worked passively.	The student completed the training program and completed the diary. Knows the main provisions that are of decisive importance in performance of tasks. Errors in the answers are not significant.	The student completed the training program and the diary was written in a novel and correctly. All requirements and tasks were fulfilled, creativity and thoughtfulness were demonstrated, and an own solution to the problem was proposed.

Autumn semester (2 year, 3 semester)

Summative assessment method	Unsatisfactory	Satisfactory	Good	Excellent
Thematic survey	<10 points	10-15 points	15-18 points	20 points
	The student can play only individual fragments of the course.	Most requirements are met, but some components are missing or insufficiently disclosed, there is no analysis of other approaches to the issue	All requirements of the task are fulfilled	All requirements of the task are fulfilled, creativity, thoughtfulness is shown, own solution of a problem is offered
Execution of tasks in laboratory-practical classes	<10 points	10-15 points	15-18 points	20 points
	Task requirements not met	Most of the tasks are performed using the basic theoretical principles, the student has difficulty	The student has mastered the basic material, and understands and performs	The applicant implements the theoretical material of the discipline in the

		explaining the rules for solving laboratory-practical problems. Execution of individual control tasks is significantly formalized, there is no deep understanding of the work	laboratory-practical tasks, has suggestions on the direction of their solutions. Understands the main provisions that are decisive in the course, can solve similar problems that were discussed with the teacher, but admits a small number of inaccuracies.	performance of laboratory and practical work, is able to analyze and compare the results obtained on the basis of acquired knowledge, skills, practical skills in this discipline
Design and presentation of self-developed material	< 10 points	10–24 points	25–29 points	30 points
	The student does not have a complete understanding of the material on the discipline. The student did not perform independent study of the material.	Despite the fact that the student completed the curriculum, but some components are missing or insufficiently developed, the student worked passively.	Knows the basic provisions that are crucial in performing independent work / individual tasks. Errors in the answers are not significant.	All requirements, tasks are fulfilled, creativity, thoughtfulness is shown, own solution of a problem is offered.
Examination	<10 points	10-20 points	20-28 points	29-30 points
	The integrity of the student's understanding of the material on the discipline is missing. The correctness of the answer $\leq 33\%$	Despite the fact that the student answered the question, but the answer is not complete and the main essence is not fully disclosed, some components are missing.	In his answer, the student revealed the main provisions of the questions that are crucial in the performance of work. Errors in the answers are not significant.	The issues are fully disclosed. The student is fluent in the material, operates with knowledge not only from the textbook, but also additional literature. Demonstrates creativity, thoughtfulness.

5.3. Formative assessment

Formative exercises are designed to enable students to develop particular aspects of their learning, prior to summative assessments. Formative exercises are designed to help students use feedback and self-reflection to manage and develop their learning so that they can see how to improve their work.

No	Formative Assessment elements	Date
Autumn semester (1 year, 1 semester)		
1.	Oral audio communication after studying topics 1,2,3,4,5,6,7	2,4,6,8,10,12,14,15 weeks of the semester
2.	Written feedback after studying topics 1-3 and 4-8.	8, 15 weeks of the semester
3.	Written feedback from the teacher while working on laboratory-practical tasks	Within 1 week after execution
4.	Oral feedback from the teacher after the report with a presentation on the topic of independent study of the discipline	During classes
Spring semester (1 year, 2 semester)		
1.	Oral audio communication after studying topics 1,2,3,4,5,6,7	2,4,6,8,10,12,14,15 weeks of the semester
2.	Written feedback after studying topics 1-3 and 4-8.	8, 15 weeks of the semester
3.	Written feedback from the teacher while working on laboratory-practical tasks	Within 1 week after execution
4.	Oral feedback from the teacher after the report with a presentation on the topic of independent study of the discipline	During classes
5.	Written and oral feedback after educational practice:	Scheduled training week
Autumn semester (2 year, 3 semester)		
1.	Oral audio communication after studying topics 1,2,3,4,5,6,7	2,4,6,8,10,12,14,15 weeks of the semester
2.	Written feedback after studying topics 1-3 and 4-8.	8, 15 weeks of the semester
3.	Written feedback from the teacher while working on laboratory-practical tasks	Within 1 week after execution
4.	Oral feedback from the teacher after the report with a presentation on the topic of independent study of the discipline	During classes
5.	Oral feedback from the teacher after the exam.	The day after the exam.

Self-assessment can be used both an element of formative and summative assessment.

6. LEARNING RESOURCES

6.1. Key resources

6.2. Guidelines.

1. Veterinary terminology // <http://www.slideserve.com/rico/veterinary-terminology>
2. Free Latin Lessons and Courses - <http://www.multilingualbooks.com/freelessons-latin.html>
3. Konig H. E. Veterinary Anatomy of Domestic Mammals: Textbook and Colour Atlas. / ed. H. E. Konig, H. G. Liebich. – London: Schattauer, 2003. – 681 p.
4. Anatomy of Domestic Animals: Systemic & Regional Approach / [C. Pasquini, T. Spurgeon, S. Publishing та ін.]. – Томajwwii, 2010. – 660 p.
5. Anatomy of domestic animals. Axial skeleton: Methodological guidelines for conducting lectures, laboratory practical classes, independent work / [М. Д. Камбур, Є. М. Лівощенко, Л. Г. Плюта та ін.]. – Суми: видавничий центр Сумського НАУ, 2016. – 52 с.
6. Анатомія свійських тварин: остеологія. Анатомічний українсько-латинсько-англійсько-російський словник-довідник для студентів I-II курсів факультету ветеринарна медицина щодо проведення лекцій, лабораторно-практичних занять, навчальної практики / [М. Д. Камбур, Є. М. Лівощенко, Л. Г. Плюта та ін.]. – Суми: видавничий центр Сумського НАУ, 2014. – 45 с.
7. Anatomy of domestic animals. Skull domestic animals: Methodological guidelines for conducting lectures, laboratory practical classes, independent work/ [М. Д. Камбур, Є. М. Лівощенко, Л. Г. Плюта та ін.]. – Суми: видавничий центр Сумського НАУ, 2016. – 45 с.
8. Anatomy of domestic animals. Muscular system (myology): Methodological guidelines for conducting lectures, laboratory practical classes, independent work/ [М.Д. Камбур, Є.М. Лівощенко, Л.В.Плюта та ін.] – Суми: СНАУ, 2018. – 37 с.
9. Англіологія: анатомічний українсько-латинсько-англійський словник-довідник / [Камбур М.Д., Замазій А.А., Лівощенко Є.М. та ін.]. – Суми: видавничий центр Сумського НАУ, 2008. – 45 с.

6.3. Additional resources

10. Latin Medical Terms and Phrases – <http://www.inrebus.com/medicallatin.php>
11. Latin phrases and expressions – <http://www.businessballs.com/latin-terms-phrases.htm>
12. Color Atlas of Large Animal Applied Anatomy: By Hillary Clayton and Peter Flood 1st Edition / [Hilary M., Clayton, Peter F., Flood, with David Mandeville., Charles Farrow] – 2006 – 123 p.
13. Horse Anatomy: A Coloring Atlas / [Thomas O., McCracken, Robert A., Kainer, Thomas O., MS McCracken, Robert A., DVM Kainer] – 2000 –185 p.
14. Дибенко К. А. Анатомічний українсько-латинсько-англійський словник-довідник: Посібник. / К. А. Дибенко. – К.: Довіра, 1997. – 281 с.
15. Левчук В. С. Українсько-латинський словник анатомічних термінів: Навчальний посібник / В. С. Левчук, В. К. Костюк. – К.: Аграрна освіта, 2004. – 184 с.

6.4. Computer Applications and soft

[Internet Polyglot – http://www.internetpolyglot.com/lessons-ln-en](http://www.internetpolyglot.com/lessons-ln-en)
<http://www.vetcvas.com/2015/08/nutrition-and-disease-management-for.html>
http://goraknig.org/estestvennye_nauki/?kniga=MTg2Mjc1Mg
http://ebookey.org/Color-Atlas-of-Small-Animal-Anatomy-The-Essentials_4618091.html
<http://www.meduweb.com/forums/193-anatomy-books>
<http://www.vetcvas.com/2012/06/anatomy-of-domestic-animals.html>
<http://pdfdownloadonline.com/veterinary-anatomy-coloring-book-2e-by-saunders/>

