



SULAWE module outline: Module 2 „Animal Welfare”

Name of topics	Types of work (hours)					Teaching/Learning forms	Forms of assessment	Persons responsible
	Contact work				Self work			
	Lectures	Lab works	Practical works	Other (e.g. consultation)				
Subtopic 1: Animal welfare in livestock production (biological, physiological, ethological aspects)								
1.1 Definition of animal welfare as a science, research methods, main tasks, basic principles of the concept 2 Lecture presentation	2					Lecture presentation		Nadiia Magrelo (LNUVMB)
1.2 Definition of ethology as a discipline, goals, objectives and research methods	2					Lecture presentation		Nadiia Magrelo (LNUVMB)
1.3 Ontogeny of animal behavior as a result of interaction between genotype and environment	2					Lecture presentation		Nadiia Magrelo (LNUVMB)
1.4 Basics of zoopsychology	2					Lecture presentation		Nadiia Magrelo (LNUVMB)
1.5 Methods of animal welfare research with modern technologies of production of animal husbandry products		2				Laboratory/practical work	Tests, Presentations, Classroom Discussions	Nadiia Magrelo (LNUVMB)
1.6 Methods of ethological research. Study of changes in physiological indicators		2				Laboratory/practical work	Tests, Presentations, Classroom Discussions	Nadiia Magrelo (LNUVMB)
1.7 Basics of ethology of cattle and young animals		2				Laboratory/practical work	Tests, Presentations, Classroom Discussions	Nadiia Magrelo (LNUVMB)



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1.8 Basics of ethology of pigs and piglets		2				Laboratory/practical work Demonstration of video material	Tests, Presentations, Classroom Discussions	Nadiia Magrelo (LNUVMB)
1.9 Fundamentals of poultry ethology		2				Laboratory/practical work	Tests, Presentations, Classroom Discussions	Nadiia Magrelo (LNUVMB)
1.10 Basics of horse ethology		2				Laboratory/practical work	Tests, Presentations, Classroom Discussions	Nadiia Magrelo (LNUVMB)
1.11 Basics of ethology of goats and sheep		2				Laboratory/practical work	Tests, Presentations, Classroom Discussions	Nadiia Magrelo (LNUVMB)
1.12 Peculiarities of ensuring the natural ethological and welfare needs of animals in animal husbandry 1.13 Importance of natural ethological needs of the animal organism. 1.14 Animal behavior depending on environmental factors 1.15 Factors that significantly affect changes in behavior, productivity and health of animals 1.16 Basics of ethology of fur animals					24	Self-study of materials	Tests, Presentations, Classroom Discussions	



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	Lectures	Lab works	Practical works	Other (e.g. consultation)				
Subtopic 2: National and international legal implications and restrictions regarding animal welfare								
2.1 National and international legal and regulatory documents in animal welfare	2					Lecture presentation		Ihor Dvylyuk (LNUVMB)
2.2 National legal and regulatory documents in animal welfare		2				Laboratory/practical work	Tests, Presentations, Classroom Discussions	Ihor Dvylyuk (LNUVMB)
2.3 International legal and regulatory documents in animal welfare		4				Laboratory/practical work	Tests, Presentations, Classroom Discussions	Ihor Dvylyuk (LNUVMB)
2.4 European and national public organizations on issues of bioethics, welfare and protection of animals 2.5 Implementation of European animal welfare standards into Ukrainian legislation					10	Self-study of materials	Tests, Presentations, Classroom Discussions	



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	Lectures	Lab works	Practical works	Other (e.g. consultation)				
Subtopic 3: Modern and innovative methods/technologies for the increase and assessment of animal welfare in livestock production								
3.1 Principles of well-being in the production technology of livestock products	2					Lecture presentation		Svitlana Usenko (PSAU)
3.2 Principles of well-being in the production technology of pig farming products	2					Lecture presentation		Natalya Prokopenko (NUBiP)
3.3 Principles of well-being in the production technology of poultry products	2					Lecture presentation		Natalya Prokopenko (NUBiP)
3.4 Principles of well-being in small animal production technology /sheep breeding, goat breeding and animal husbandry/	2					Lecture presentation		Tatyana Stryzhak (V. Dahl EUNU)
3.5 Assessment of animal welfare for milk production		2				Laboratory/practical work	Tests, Presentations, Classroom Discussions	Inna Lavrinenko (PSAU)
3.6 Assessment of animal welfare for meat production		2				Laboratory/practical work Demonstration of video material	Tests, Presentations, Classroom Discussions	Tatyana Stryzhak (V. Dahl EUNU)
3.7 Assessment of animal welfare for egg production		2				Laboratory/practical work Demonstration of video material	Tests, Presentations,	Natalya Prokopenko (NUBiP)



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	Lectures	Lab works	Practical works	Other (e.g. consultation)				
							Classroom Discussions	
3.8 Improving the welfare of animals in meat farming; 3.9 Improving animal welfare in dairy farming; 3.10 Improving the welfare of pig farming animals; 3.11 Improvement of well-being for the production of poultry meat; 3.12 Improving the well-being of poultry through the production of edible eggs; 3.13 Improvement of animal welfare in sheep and goat breeding; 3.14 Improvement of animal welfare in rabbit breeding and fur breeding; 3.15 Improving the welfare of animals in horse breeding; 3.16 Improving animal welfare in beekeeping; 3.17 Improving well-being in fish farming and aquaculture; 3.18 Principles of welfare in the care of unproductive animals.					22	Self-study of materials	Tests, Presentations, Classroom Discussions	



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	Lectures	Lab works	Practical works	Other (e.g. consultation)				
Subtopic 4: Animal welfare in transport and trade of live animals								
4.1 Principles of well-being in the transportation and trade of live animals	2					Lecture presentation		Halyna Klym (LNUVMB)
4.2 Assessment of the well-being of animals during transportation with different forks of transport		2				Laboratory/practical work	Tests, Presentations, Classroom Discussions	Halyna Klym (LNUVMB)
4.3 Assessment of well-being in the trade in live animals		2				Laboratory/practical work	Tests, Presentations, Classroom Discussions	Halyna Klym (LNUVMB)
4.4 Methods of assessing the stress and physical condition of animals during transportation and trade					3	Self-study of materials	Tests, Presentations, Classroom Discussions	



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Subtopic 5: Slaughter of animals, euthanasia								
5.1. Slaughter of animals, euthanasia	2					Lecture presentation		Ulyana Vus (LNUVMB)
5.2 Humane slaughter of farm animals		2				Laboratory/practical work	Tests, Presentations, Classroom Discussions	Ulyana Vus (LNUVMB)
5.3. Humane euthanasia		2				Laboratory/practical work	Tests, Presentations, Classroom Discussions	Ulyana Vus (LNUVMB)
5.4 Alternative methods of animal slaughter and euthanasia					3	Self-study of materials	Tests, Presentations, Classroom Discussions	