

Course	Number of ECTS credits	Number of hours							ESW	Assesment <sup>1</sup>	Type of study group <sup>2</sup>	Department
		Total (4+5+6+7+8+9)	Classes with direct participation of teachers and students									
1	2	3	4	5	6	7	8	9	10	11	12	
<b>Semester 1</b>												
*Module_1 – Animal physiology or Animal models in physiological research	5	125	10	40	0	5	5	65	EX	GL	Department of Biochemistry and Animal Physiology	
*Module_2 – Animal nutrition and feed management or Nutritional models in intensive animal production	10	250	30	60	45	10	5	100	EX	GL	Department of Animal Nutrition	
*Module_3 – Basics of law and management or Legal and economic aspects of business management	5	125	20	30	0	5	5	65	GA	GI	Department of Law and Enterprise Management in Agribusiness	
Module_4 – Data Science and Bioinformatics	8	200	30	60	0	5	5	100	EX	GL	Department of Genetics and Animal Breeding	
<b>total number of hours - semester 1:</b>	<b>28</b>	<b>700</b>	<b>90</b>	<b>190</b>	<b>45</b>	<b>25</b>	<b>20</b>	<b>330</b>	-	-	-	
<b>Semester 2</b>												
Module_5 – Sustainability in animal husbandry	6	150	30	40	10	5	5	60	EX	GL	Department of Animal Breeding and Product Quality Assessment Department of Genetics and Animal Breeding Department of Zoology	
Module_6 – Biofood and quality of animal products	7	175	30	50	20	4	5	66	EX	GL	Department of Animal Breeding and Product Quality Assessment Department of Animal Nutrition	
Module_7 – Animal Improvement Methods and Genomics	6	150	30	60	0	5	5	50	EX	GL	Department of Genetics and Animal Breeding Department of Biochemistry and Biotechnology	
Seminar I	1	25	0	15	0	2	0	8	GA	GL	Departments of the Faculty of Veterinary Medicine and Animal Science	
M.Sc. Laboratory	11	275	0	0	0	0	110	165	GA	-	Departments of the Faculty of Veterinary Medicine and Animal Science	
<b>total number of hours - semester 2:</b>	<b>31</b>	<b>775</b>	<b>90</b>	<b>165</b>	<b>30</b>	<b>16</b>	<b>125</b>	<b>349</b>	-	-	-	
<b>Semester 3</b>												
Module_8 - Animal breeding programs	6	150	25	40	0	5	5	75	EX	GL	Department of Genetics and Animal Breeding	
*Module_9 - Aquaculture and its impact on environment or Sustainable fish farming	5	125	15	30	10	5	5	60	EX	GL	Department of Zoology	
Seminar II	1	25	0	15	0	2	0	8	GA	GL	Departments of the Faculty of Veterinary Medicine and Animal Science	
*M.Sc. Laboratory methods in feedstuffs and animal products or M.Sc. Laboratory methods in animal genetics and biodata	8	200	0	0	0	0	80	120	GA	-	Department of Animal Breeding and Product Quality Assessment Department of Animal Nutrition Department of Genetics and Animal Breeding	
Thesis preparation I	5	125	0	0	0	25	0	100	GA	-	Departments of the Faculty of Veterinary Medicine and Animal Science	
Professional Internships	6	150	0	0	0	5	140	5	GA	-	Companies cooperating with the Faculty of Veterinary Medicine and Animal Science	
<b>total number of hours - semester 3:</b>	<b>31</b>	<b>775</b>	<b>40</b>	<b>85</b>	<b>10</b>	<b>42</b>	<b>230</b>	<b>368</b>	-	-	-	
<b>Semester 4</b>												
Module_10 - Animal health diagnostics and biosecurity	8	200	40	45	50	10	5	50	EX	GL	Department of Genetics and Animal Breeding Department of Animal Breeding and Product Quality Assessment Department of Animal Nutrition Department of Internal Medicine and Diagnostics	
*Module_11 – Farm management or Consulting in Animal Production	6	150	30	30	45	5	5	35	EX	GL	Department of Animal Nutrition	
Seminar III	1	25	0	15	0	2	0	8	GA	GL	Departments of the Faculty of Veterinary Medicine and Animal Science	
Thesis preparation II	5	125	0	0	0	25	0	100	GA	-	Departments of the Faculty of Veterinary Medicine and Animal Science	
Preparation for diploma examination	10	250	0	0	0	0	0	250	EX	-	-	
<b>total number of hours - semester 4:</b>	<b>30</b>	<b>750</b>	<b>70</b>	<b>90</b>	<b>95</b>	<b>42</b>	<b>10</b>	<b>443</b>	-	-	-	
<b>total for studies:</b>	<b>120</b>	<b>3000</b>	<b>290</b>	<b>530</b>	<b>180</b>	<b>125</b>	<b>385</b>	<b>1490</b>	-	-	-	

<sup>1</sup>EX – examination, GA – graded assignment, Pass – no grade<sup>2</sup> study group type according to the PULS Senate Regulation on study group types

\*module to be chosen by the student