



**DEPARTMENT OF ANIMAL NUTRITION and NUT. DISEASE (VETERINARY)
DOCTORATE PROGRAMME**

I. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo	Prac.	Tot.	Credit	
	Compulsory Courses					National	ECTS
VHBD 101	Expertise Branch Course	C	8	0	8	0	9
VHBD 102	Thesis Preparation Study	C	0	1	1	0	1
Elective Courses (Total 20 ECTS credit courses will be taken in the Elective Courses Pool)							
	Elective Course I	E					4
	Elective Course II	E					4
	Elective Course III	E					4
	Elective Course IV	E					4
	Elective Course V	E					4
	Total						30

II. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo	Prac.	Tot.	Credit	
	Compulsory Courses					National	ECTS
VHBD 103	Expertise Branch Course	C	8	0	8	0	9
VHBD 104	Thesis Preparation Study	C	0	1	1	0	1
Elective Courses (Total 20 ECTS credit courses will be taken in the Elective Courses Pool)							
	Elective Course I	E					4
	Elective Course II	E					4
	Elective Course III	E					4
	Elective Course IV	E					4
	Elective Course V	E					4
	Total						30

III. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo	Prac.	Tot.	Credit	
	Compulsory Courses					National	ECTS
VHBD 105	Expertise Branch Course	C	8	0	8	0	9
VHBD 106	Thesis Preparation Study	C	0	1	1	0	1
VHBD 107	Seminar	C	0	2	2	0	4
Elective Courses (Total 16 ECTS credit courses will be taken in the Elective Courses Pool)							
	Elective Course I	E					4
	Elective Course II	E					4
	Elective Course III	E					4
	Elective Course IV	E					4
	Total						30

IV. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo	Prac.	Tot.	Credit	
	Compulsory Courses					National	ECTS
VHBD 108	Thesis Study	C	0	1	1	0	21
VHBD 109	Expertise Branch Course	C	8	0	8	0	9
Total			8	1	9	0	30

V. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo	Prac.	Tot.	Credit	
	Compulsory Courses					National	ECTS
VHBD 110	Thesis Study	C	0	1	1	0	21
VHBD 111	Expertise Branch Course	C	8	0	8	0	9
Total			8	1	9	0	30

VI. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo	Prac.	Tot.	Credit	
	Compulsory Courses					National	ECTS
VHBD 112	Thesis Study	C	0	1	1	0	21
VHBD 113	Expertise Branch Course	C	8	0	8	0	9
Total			8	1	9	0	30

VII. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo	Prac.	Tot.	Credit	
	Compulsory Courses					National	ECTS
VHBD 114	Thesis Study	C	0	1	1	0	21
VHBD 115	Expertise Branch Course	C	8	0	8	0	9
Total			8	1	9	0	30

VIII. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo	Prac.	Tot.	Credit	
	Compulsory Courses					National	ECTS
VHBD 116	Thesis Study	C	0	1	1	0	21
VHBD 117	Expertise Branch Course	C	8	0	8	0	9
Total			8	1	9	0	30

IX. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo	Prac.	Tot.	Credit	
	Compulsory Courses					National	ECTS
VHBD 118	Thesis Study	C	0	1	1	0	21
VHBD 119	Expertise Branch Course	C	8	0	8	0	9
Total			8	1	9	0	30

X. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo	Prac.	Tot.	Credit	
	Compulsory Courses					National	ECTS
VHBD 120	Thesis Study	C	0	1	1	0	21
VHBD 121	Expertise Branch Course	C	8	0	8	0	9
Total			8	1	9	0	30

XI. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo	Prac.	Tot.	Credit	
	Compulsory Courses					National	ECTS
VHBD 122	Thesis Study	C	0	1	1	0	21
VHBD 123	Expertise Branch Course	C	8	0	8	0	9
Total			8	1	9	0	30

XII. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo	Prac.	Tot.	Credit	
	Compulsory Courses					National	ECTS
VHBD 124	Thesis Study	C	0	1	1	0	21
VHBD 125	Expertise Branch Course	C	8	0	8	0	9
Total			8	1	9	0	30

ELECTIVE COURSES POOL

C. CODE	COURSE NAME	C/E	Theo	Prac.	Tot.	Credit	
						National	ECTS
	Elective Courses						
VHBD 126	Proteins and its metabolism	E	3	0	3	3	4
VHBD 127	Carbohydrates and its metabolism	E	3	0	3	3	4
VHBD 128	Fats and its metabolism	E	3	0	3	3	4
VHBD 129	Vitamins and its metabolism	E	3	0	3	3	4
VHBD 130	Minerals and its metabolism	E	3	0	3	3	4
VHBD 131	Feed Additives	E	3	0	3	3	4
VHBD 132	Alternative Feedstuffs	E	3	0	3	3	4
VHBD 133	Concentrate Feedstuffs and Technology	E	2	2	4	3	4
VHBD 134	Laboratory Analyses of Feedstuffs	E	2	2	4	3	4
VHBD 135	Feed Evaluation Systems and Digestion Trials	E	2	2	4	3	4
VHBD 136	Scientific Innovations	E	3	0	3	3	4
VHBD 137	Literature survey and transfer	E	3	0	3	3	4
VHBD 138	Investigation Methods	E	3	0	3	3	4
VHBD 139	Development and Learning	E	3	0	3	3	4
VHBD 140	Instructional Planning and Evaluation	E	3	0	3	3	4
VHBD 141	Biostatistics	E	3	0	3	3	4
VHBD 142	Dairy Cattle Nutrition	E	3	1	4	3,5	4
VHBD 143	Ration Formulation and Principles	E	3	1	4	3,5	4
VHBD 144	Nutritional diseases of ruminants	E	3	0	3	3	4
VHBD 145	Antinutritional factors in feedstuffs	E	3	0	3	3	4
VHBD 146	Principles of calf nutrition	E	3	1	4	3,5	4
VHBD 147	Feed hygiene	E	2	2	4	3	4
VHBD 148	Lab. Animals Nutrition	E	3	1	4	3,5	4
VHBD 149	Biology of rumen	E	3	1	4	3,5	4
VHBD 150	Beef Cattle Nutrition	E	3	1	4	3,5	4
VHBD 151	Laying hens nutrition	E	3	1	4	3,5	4
VHBD 152	Broiler nutrition	E	3	1	4	3,5	4
VHBD 153	Breeder poultry nutrition	E	3	1	4	3,5	4
VHBD 154	Ostrich nutrition	E	3	1	4	3,5	4
VHBD 155	Horse nutrition	E	3	1	4	3,5	4
VHBD 156	Roughages and Technology	E	2	2	4	3	4
VHBD 157	Biotechnology in Animal Nutrition	E	3	0	3	3	4
VHBD 158	Fish Nutrition	E	2	2	4	3	4
VHBD 159	Pig nutrition	E	2	2	4	3	4
VHBD 160	Metabolites of rumen and blood	E	2	2	4	3	4
VHBD 161	Anabolics in Animal Nutrition	E	3	0	3	3	4
VHBD 162	Feed Legislation and EU Norms	E	3	0	3	3	4
VHBD 163	Nutritional diseases of poultry	E	2	2	4	3	4

VHBD 164	Principles of sheep nutrition	E	3	1	4	3,5	4
VHBD 165	Principles of goat nutrition	E	3	1	4	3,5	4
VHBD 166	Principles of dog nutrition	E	3	1	4	3,5	4
VHBD 167	Principles of cat nutrition	E	3	1	4	3,5	4
VHBD 168	Goose nutrition	E	3	1	4	3,5	4
VHBD 169	Duck nutrition	E	3	1	4	3,5	4
VHBD 170	Turkey nutrition	E	3	1	4	3,5	4
VHBD 171	Exotic bird nutrition	E	3	1	4	3,5	4
VHBD 172	Cell wall components in forage crop	E	3	0	3	3	4
VHBD 173	Evaluation of low quality roughages in ruminants	E	3	0	3	3	4
VHBD 174	Microbial protein synthesis in ruminants	E	3	0	3	3	4
VHBD 175	Fur animal nutrition	E	3	1	4	3,5	4
VHBD 176	Buffalo nutrition	E	3	1	4	3,5	4
VHBD 177	Wild animal nutrition	E	3	0	3	3	4