DEPARTMENT OF BIOCHEMISTRY (VETERINARY) MASTER'S DEGREE (WITH THESIS) PROGRAMME

I. SEMESTER							
C. CODE	**COURSE NAME**	**C/E**	**Theo.**	**Prac.**	**Tot.**	**Credit**	
	Compulsory Course					**National**	**ECTS**
VBY 101	Expertise Branch Course	C	8	0	8	0	9
VBY 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						4
	Elective Course II						4
	Elective Course III						4
	Elective Course IV						4
	Elective Course V						4
	Total						**30**

II. SEMESTER							
C. CODE	**COURSE NAME**	**C/E**	**Theo.**	**Prac.**	**Tot.**	**Credit**	
	Compulsory Course					**National**	**ECTS**
VBY 103	Expertise Branch Course	C	8	0	8	0	9
VBY 104	Thesis Preparation Study	C	0	1	1	0	1
VBY 105	Seminar	C	0	2	2	2	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**

III. SEMESTER							
C. CODE	**COURSE NAME**	**C/E**	**Theo**	**Prac.**	**Tot.**	**Credit**	
	Compulsory Course					**National**	**ECTS**
VBY 106	Thesis Study	C	0	1	1	0	21
VBY 107	Expertise Branch Course	C	8	0	8	0	9
Total			**8**	**1**	**9**	**0**	**30**

IV. SEMESTER							
C. CODE	**COURSE NAME**	**C/E**	**Theo**	**Prac.**	**Tot.**	**Credit**	
	Compulsory Course					**National**	**ECTS**
VBY 108	Thesis Study	C	0	1	1	0	21
VBY 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 Course					**National**	**ECTS**
VBY 110	Thesis Study	C	0	1	1	0	21
VBY 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 Course					**National**	**ECTS**
VBY 112	Thesis Study	C	0	1	1	0	21
VBY 113	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**	
	Elective Courses					**National**	**ECTS**
VBY 114	Aminoacid and Protein Biochemistry	E	3	0	3	3	4
VBY 115	Mineral Elements	E	3	0	3	3	4
VBY 116	Antioxidants	E	3	0	3	3	4
VBY 117	Relationship Between Physics and Chemistry of Biologic Events	E	3	0	3	3	4
VBY 118	Biostatistics	E	3	0	3	3	4
VBY 119	Enzymes	E	3	0	3	3	4
VBY 120	Laboratory Equipment and Operating Principles	E	2	2	2	3	4
VBY 121	Introduction to Biochemistry	E	3	0	3	3	4
VBY 122	Laboratory Animals and Applications	E	3	0	3	3	4
VBY 123	Basic Organic Chemistry	E	3	0	3	3	4
VBY 124	Organization Principles of Living	E	3	0	3	3	4
VBY 125	Urine and Its Content	E	2	2	4	3	4
VBY 126	Analyses of Inorganic Substance in Blood	E	2	2	4	3	4
VBY 127	Quantitative Analysis Of Macromolecules	E	2	2	4	3	4
VBY 128	Biochemistry of Carbohydrates	E	3	0	3	3	4
VBY 129	Specific Biochemical Tests in the Diagnosis of Diseases	E	3	0	3	3	4
VBY 130	Biochemistry of Lipids	E	3	0	3	3	4
VBY 131	Plasma Lipoproteins	E	3	0	3	3	4
VBY 132	Vitamines	E	3	0	3	3	4
VBY 133	Metabolic Passages	E	3	0	3	3	4
VBY 134	Hormones	E	3	0	3	3	4
VBY 135	Nucleic Acids	E	3	0	3	3	4
VBY 136	Investigation Methods	E	3	0	3	3	4