



Kafkas Üniversitesi
GRADUATE SCHOOL OF HEALTH SCIENCES
Department of Veterinary Biochemistry
Biyokimya (YL) (Tezli)

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
VBI 501	Introduction To Biochemistry	2+0+0	Elective	5
VBI 502	Introduction And Fundamental Metabolic Pathways Metabolism	2+0+0	Elective	5
VBI 503	Introduction To Biochemistry Laboratory	2+1+0	Elective	8
VBI 504	Basic Biochemical Measurement Methods	2+1+0	Elective	8
VBI 505	Structure Of Enzymes	2+0+0	Elective	5
VBI 506	Functions Of Biocatalysts	2+0+0	Elective	5
VBI 507	Cell Biochemistry	2+0+0	Elective	5
VBI 508	Membranes And Transport Systems	1+0+0	Elective	4
VBI 509	Porphyrin Biochemistry	2+0+0	Elective	5
VBI 510	Tissue And Organ Chemistry	2+0+0	Elective	5
VBI 511	pH concept and buffer systems	1+1+0	Elective	5
VBI 512	Intercellular Molecular Communication	2+0+0	Elective	5
VBI 513	Coenzymes	2+0+0	Elective	5
VBI 514	Mitochondria Biochemistry	2+0+0	Elective	5
VBI 515	Genetic Code	2+0+0	Elective	5
VBI 516	Glycobiology	2+0+0	Elective	5
VBI 517	Free Radicals	2+0+0	Elective	5
VBI 518	Determination Methods Of Vitamins	2+1+0	Elective	8
VBI 519	Antioxidant System	1+0+0	Elective	4
VBI 520	Functions Of Hormones	1+0+0	Elective	4
VBI 521	Experimental Animals And Application Methods	2+1+0	Elective	8
VBI 522	Functions Of Carbohydrates	2+0+0	Elective	5
VBI 523	Structure of Carbohydrates	1+0+0	Elective	4
VBI 524	Functions Of Lipids	2+0+0	Elective	5
VBI 525	Structure of Lipids	1+0+0	Elective	4
VBI 526	Functions Of Proteins	2+0+0	Elective	5
VBI 527	Structure of Proteins	1+0+0	Elective	4
VBI 529	Structure Of Hormones	1+0+0	Elective	4
VBI 701	Seminar	0+1+0	Elective	0
VBI530	Structure of Macromolecules	2+0+0	Elective	2
VBI531	Structure of Biocatalysts	1+0+0	Elective	2
VBI532	Porphyrin Chemistry	2+0+0	Elective	1
Total ECTS				150

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
VBI560	Science Ethics and History of Science	1+0+0	Elective	1
VBI561	Planning and Evaluation in Instruction	1+0+0	Elective	2
Total ECTS				3

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
SZR 101	SCIENTIFIC RESEARCH METHODS	2+2+0	Elective	6
VBI 702	Specialization Field Course	0+0+0	Elective	0
Total ECTS				6

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
VBI 703	THESIS	0+0+0	Elective	30
Total ECTS				30