

First cycle studies "Medical and Veterinary Genetics "

2018/2019

ACADEMIC YEAR

I year

Nr.	Subject Code	Subject/module	Part	Responsible Department/clinic	Contact work hours	Credits	Semester	Assessment	Responsible lecturer
1.	MF/KEK/MVG-P05	International Professional Terminology and Professional Language	B	Department of Languages and Education	90	5	1	Exam	J.Čirūnaitė, B.Briaukienė
2.	MF/KEK/MVG-P06	Foreign Language (English)	B	Department of Languages and Education	90	5	2	Intermediate credit	G.Nemunienė
3.	GTF/BIO/MVG-P37	General Biology	S	Institute of Biological Systems and Genetics	90	5	1	Exam	J.Loginovič
4.	MF/ANI/MVG-P03	Human and Laboratory Animals Anatomy	S	Institute of Anatomy	94	5	2	Exam	D.H. Pauža
		Human Anatomy		Institute of Anatomy	58				
		Laboratory Animals Anatomy		Department of Anatomy and Physiology	36				
5.	MF/FIK/MVG-P04	Human and Animal Physiology	S	Institute of Physiology and Pharmacology	90	5	1	Exam	E.Stankevičius
		Human Physiology		Institute of Physiology and Pharmacology	55				
		Animal Physiology		Department of Anatomy and Physiology	35				
6	FF/ANT/MVG-P08	Inorganic and General Chemistry	S	Department of Analytical and Toxicological Chemistry	93	5	1	Exam	A.Ževžikovas
7.	FF/ANT/MVG-P07	Organic Chemistry	S	Department of Analytical and Toxicological Chemistry	93	5	2	Exam	A.Ževžikovienė
8.	GTF/BIO/MVG-P35	General Genetics	S	Institute of Biological Systems and Genetics	90	5	2	Exam	K.Morkūnienė
9.	GTF/BIO/MVG-P30	Cell Biology	S	Institute of Biological Systems and Genetics	90	5	1	Exam	A.Smalinskienė
10.	MF/FMB/MVG-P14	Basics of Higher Mathematics and Probability Theory	S	Department of Physics, Mathematics, and Biophysics	93	5	2	Exam	V.Šaferis
11.	MF/FMB/MVG-P13	Biological Physics	S	Department of Physics, Mathematics and Biophysics	90	5	1	Exam	A.Grigaliūnas
12.		Elective Subject	K	Elective courses	90	5	1	Project	
Total:					1096	60			

II year

Nr.	Subject Code	Subject/module	Part	Responsible Department/clinic	Contact work hours	Credits	Semester	Assessment	Responsible lecturer
1.	MF/KEK/MVG-P02	Foreign Language (English)	B	Department of Languages and Education	90	5	3	Exam	G.Nemunienė
2.	FF/ANT/MVG-P11	Methods of Physico-Chemical Analysis	S	Department of Analytical and Toxicological chemistry	90	5	3	Exam	R.Marksienė
3.	GTF/BIO/MVG-P43	Molecular Biology	S	Institute of Biological Systems and Genetics	90	5	4	Exam	P.Vaitkienė
4.	MF/BCM/MVG-P04	Biochemistry	S	Department of Biochemistry	90	5	3	Exam	R.Bernotienė
5.	MF/FMB/MVG-P16	Biostatics	S	Department of Physics, Mathematics and Biophysics	90	5	3	Exam	V.Šaferis
6.	MF/HIS/MVG-P05	Embryology and Developmental Genetics	S	Department of Histology and Embryology	90	5	3	Exam	A.Valančiūtė, K.Lasienė
7.	MF/HIS/MVG-P04	Histology	S	Department of Histology and Embryology	90	5	3	Exam	A.Valančiūtė, K.Lasienė
8.	VF/MVI/MVG-P03	Basics of Microbiology and Virology	S	Institute of Microbiology and Virology	90	5	4	Exam	S.Šimonytė
9.	MF/PAK/MVG-P04	General and Molecular Pathology	S	Department of Pathological Anatomy	90	5	4	Exam	D.Pangonytė
		General and Molecular Pathology		Department of Pathological Anatomy	52				D.Pangonytė
		General and Molecular Pathology		Department of Veterinary Pathobiology	27				V.Riškevičienė
		General and Molecular Pathology		Institute of Physiology and Pharmacology	11				V.Jurkštienė
10.	IAK/IAK/MVG-P02	Basics of Immunology	S	Immunology and Allergology Clinic	93	5	4	Exam	J.Staikūnienė
11.	GTF/BIO/MVG-P38	Plant Genetics	S	Institute of Biological Systems and Genetics	90	5	4	Exam	B.Frercks
12.		Elective Subject	K	Elective courses	90	5	4	Project	
Total:					1083	60			

III year

Nr.	Subject Code	Subject/module	Part	Responsible Department/clinic	Contact work hours	Credits	Semester	Assessment	Responsible lecturer
1.	GTF/BIO/MVG-P40	Veterinary Genetics	S	Institute of Biological Systems and Genetics	180	10	5 ir 6	Intermediate credit, Exam	N.Makštutienė
2.	GTF/BIO/MVG-P28	Biotechnology and Gene Engineering	S	Institute of Biological Systems and Genetics	90	5	6	Exam	R.Bižienė
3.	GMMK/GMMK/MVG-P05	Medical Genetics I	S	Genetics and Molecular Medicine Clinic	90	5	5	Exam	V.Ašmonienė
4.	MF/GE/MVG-P08	Medical Genetics II	S	Department of Gastroenterology	80	5	6	Exam	J.Skiecevičienė
				Institute of Oncology	40				E.Juozaitytė
				Department of Gastroenterology	40				J.Skiecevičienė
5.	FF/ANT/MVG-P10	Analytical Chemistry	S	Department of Analytical and Toxicological Chemistry	90	5	5	Exam	R.Marksienė
6.	MF/FMB/MVG-P15	Bioinformatics	S	Department of Physics, Mathematics and Biophysics	92	5	5	Exam	A.Kriščiukaitis
		Bioinformatics		Department of Physics, Mathematics and Biophysics	57				A.Kriščiukaitis
		Genome and protein computer analysis		Institute of Biological Systems and Genetics	35				B.Frercks
7.	GTF/BIO/MVG-P42	Ecological Genetics	S	Institute of Biological Systems and Genetics	90	5	6	Exam	P.Prakas
8.	GTF/BIO/MVG-P41	Population Genetics	S	Institute of Biological Systems and Genetics	90	5	5	Exam	P.Prakas
9.	VSF/FES/MVG-P02	Bioethics and animal science	S	Department of Bioethics Department of Anatomy and Physiology	54	5	6	Exam	A Bartkienė
10.		Bioethics		Department of Bioethics	54				A Bartkienė
11.		Animal science		Department of Anatomy and Physiology	36				Rasa Ževytė, Judita Žymantienė
12.	GTF/BIO/MVG-P44	Epigenetics	S	Institute of Biological Systems and Genetics	90	5	5	Exam	P.Vaitkienė
13.		Bachelor's Thesis	S	Elective courses	100	5	6		
Total:					1254	60			

IV year

Nr.	Subject Code	Subject/module	Part	Responsible Department/clinic	Contact work hours	Credits	Semester	Assessment	Responsible lecturer
1.	GTF/BIO/MVG-P16	Professional Practice	S	Institute of Biological Systems and Genetics	270	15	7	Project	R.Ugenskienė
2.				Institute of Biological Systems and Genetics	90		7		R.Ugenskienė
3.				All Departments	180		7		
4.		Bachelor's Thesis	S	All Departments	270	15	7	Intermediate credit, Project	
Total:					540	30			