

Study Program – MEDICAL AND VETERINARY GENETICS
2021/ 2022 year STUDY PLAN
I COURSE

No.	Subject Code	Subject/module	Subject part	Responsible department /clinic/institute	Contact work hours	ECTS credits	Semester	Assessment	Responsible teacher	
1.	MF/KEK/MVG-PU01	International Professional Terminology and Lithuanian Language	B	Department of Languages and Education	90	5	1	Exam	S.Morkevičienė	
		<i>International Professional Terminology in Latin</i>			55	3	1			S.Morkevičienė
		<i>Lithuanian (foreign) Language I</i>			35	2	1			L.Alešiūnaitė
2.	GMF/BIO/MVG-PU09	Essential Biology	S	Institute of Biological Systems and Genetics	90	5	1	Exam	J.Loginovič	
3.	MF/ANI/MVG-PU01	Anatomy of Human and Laboratory Animals	S	Institute of Anatomy	94	5	1	Exam	D.H. Pauža	
		<i>Human Anatomy</i>			58	3	1			D.H. Pauža
		<i>Laboratory Animals Anatomy</i>			36	2	1			I.Monkevičienė
4.	FF/ANT/MVG-PU01	General and Inorganic Chemistry	S	Department of Analytical and Toxicological Chemistry	93	5	1	Exam	A.Ževžikovas	
5.	GMF/BIO/MVG-PU05	Cell Biology	S	Institute of Biological Systems and Genetics	90	5	1	Exam	A.Smalinskienė	
6.	According to choice	Elective Subject	K	Elective courses	90	5	1	Project	According to choice	
7.	MF/KEK/MVG-PU02	Lithuanian (foreign) Language II	B	Department of Languages and Education	90	5	2	Exam	L.Alešiūnaitė	
8.	MF/FIK/MVG-PU01	Human and Animal Physiology	S	Institute of Physiology and Pharmacology	90	5	2	Exam	L.Malcienė	
		<i>Human Physiology</i>			55	3	2			L.Malcienė
		<i>Animal Physiology</i>			35	2	2			J.Žymantienė
9.	FF/ANT/MVG-PU02	Organic Chemistry	S	Department of Analytical and Toxicological Chemistry	93	5	2	Exam	A. Ževžikovas	
10.	GMF/BIO/MVG-PU01	Basic Genetics	S	Institute of Biological Systems and Genetics	90	5	2	Exam	K.Morkūnienė	
11.	MF/FMB/MVG-PU02	Basics of Higher Mathematics and Probability Theory	S	Department of Physics, Mathematics, and Biophysics	93	5	2	Exam	J. Tomkevičiūtė	
12.	MF/FMB/MVG-PU01	Biological Physics	S	Department of Physics, Mathematics and Biophysics	93	5	2	Exam	A.Grigaliūnas	
Total (1st year)					1096	60				

II COURSE

No.	Subject Code	Subject/module	Subject part	Responsible department /clinic/institute	Contact work hours	ECTS credits	Semester	Assessment	Responsible teacher
1.	MF/LMK/MVG-PU01	Basics of Clinical Laboratory Diagnostics	S	Department of Laboratory Medicine	90	5	3	Exam	D. Urbonienė
2.	FF/ANT/MVG-PU04	Methods of Physico-Chemical Analysis	S	Department of Analytical and Toxicological chemistry	90	5	3	Exam	L. Rimkienė
3.	MF/BCM/MVG-PU01	General Biochemistry	S	Department of Biochemistry	90	5	3	Exam	R. Bernotienė
4.	MF/FMB/MVG-PU04	Biostatics	S	Department of Physics, Mathematics and Biophysics	90	5	3	Exam	J. Tomkevičiūtė
5.	MF/HIS/MVG-PU04	Embryology and Developmental Genetics	S	Department of Histology and Embryology	90	5	3	Exam	A. Valančiūtė, K. Lasienė
6.	MF/HIS/MVG-PU03	Histology	S	Department of Histology and Embryology	90	5	3	Exam	A. Valančiūtė, K. Lasienė
7.	GMF/BIO/MVG-PU02	Molecular Biology	S	Institute of Biological Systems and Genetics	90	5	4	Exam	A. Jasiukaitienė
8.	VF/MVI/MVG-PU01	Basics of Microbiology and Virology	S	Institute of Microbiology and Virology	90	5	4	Exam	S. Šimonytė
9.	MF/PAK/MVG-PU01	General and Molecular Pathology	S	Department of Pathological Anatomy	90	5	4	Exam	L. Poškienė, M. Kuprytė
		<i>General and Molecular Pathology</i>		<i>Department of Pathological Anatomy</i>	52	2,8	4		<i>L. Poškienė, M. Kuprytė</i>
		<i>General and Molecular Pathology</i>		<i>Department of Veterinary Pathobiology</i>	27	1,45	4		<i>A. Počkevičius</i>
		<i>General and Molecular Pathology</i>		<i>Institute of Physiology and Pharmacology</i>	11	0,75	4		<i>D. Akramienė</i>
10.	IAK/IAK/MVG-PU01	Basics of Immunology	S	Immunology and Allergology Clinic	93	5	4	Exam	J. Staikūnienė
11.	GMF/BIO/MVG-PU04	Plant Genetics	S	Institute of Biological Systems and Genetics	90	5	4	Exam	B. Frercks
12.	According to choice	Elective Subject	K	Elective courses	90	5	4	Project	According to choice
Total (2nd year)					1083	60			

III COURSE

No.	Subject Code	Subject/module	Subject part	Responsible departament /clinic/institute	Contact work hours	ECTS credits	Semester	Assessment	Responsible teacher
1.	GMF/BIO/MVG-PU07	Veterinary Genetics	S	Institute of Biological Systems and Genetics	160	10	5 ir 6	Intermediate credit, Exam	R.Insodaitė
2.	MF/GE/MVG-PU03	Medical Genetics I	S	Genetics and Molecular Medicine Clinic	90	5	5	Exam	M. Šukys
3.	FF/ANT/MVG-PU03	Analytical Chemistry	S	Department of Analytical and Toxicological Chemistry	90	5	5	Exam	L. Rimkienė
4.	MF/FMB/MVG-PU06	Bioinformatics	S	Department of Physics, Mathematics and Biophysics	92	5	5	Exam	A.Kriščiukaitis
		<i>Bioinformatics</i>		<i>Department of Physics, Mathematics and Biophysics</i>	57	3	5		<i>A.Kriščiukaitis</i>
		<i>Genome and protein computer analysis</i>		<i>Institute of Biological Systems and Genetics</i>	35	2	5		<i>B.Frercks</i>
5.	GMF/BIO/MVG-PU12	Population Genetics	S	Institute of Biological Systems and Genetics	90	5	5	Exam	P.Prakas
6.	GMF/BIO/MVG-PU10	Epigenetics	S	Institute of Biological Systems and Genetics	90	5	5	Exam	P.Vaitkienė
7.	GMF/BIO/MVG-PU06	Biotechnology and Gene Engineering	S	Institute of Biological Systems and Genetics	90	5	6	Exam	R.Bižienė
8.	MF/GE/MVG-PU03	Medical Genetics II	S	Department of Gastroenterology	80	5	6	Exam	J.Skiecevičienė
		<i>Medical Genetics II</i>		<i>Institute of Oncology</i>	40	2,5	6		<i>R.Ugenskienė</i>
		<i>Medical Genetics II</i>		<i>Department of Gastroenterology</i>	40	2,5	6		<i>J.Skiecevičienė</i>
9.	GMF/BIO/MVG-PU13	Ecological Genetics	S	Institute of Biological Systems and Genetics	90	5	6	Exam	P.Prakas
10.	VSF/BEK/MVG-PU01	Bioethics and Animal science	S	Department of Bioethics	90	5	6	Exam	E. Peičius
		<i>Bioethics</i>		<i>Department of Bioethics</i>	54	3	6		<i>E. Peičius</i>
		<i>Animal science</i>		<i>Department of Anatomy and Physiology</i>	36	2	6		<i>R. Želvytė, J. Žymantienė</i>
11.	According to choice	Bachelor's Thesis	S	Elective courses	90	5	6	Intermediate credit	According to choice
Total (3rd year)					1052	60			

IV COURSE

Nr.	Subject Code	Subject/module	Part	Responsible Department/clinic	Contact work hours	ECTS credits	Semester	Assessment	Responsible lecturer
1.	GMF/BIO/MVG-PU08	Professional Practice	S	Institute of Biological Systems and Genetics	200	15	7	Project	R.Bižienė
				<i>Institute of Biological Systems and Genetics</i>	20	5	7		<i>R.Bižienė</i>
				<i>All Departments</i>	180	10	7		<i>According to choice</i>
2.	According to choice	Bachelor's Thesis	S	All Departments	270	15	7	Project	According to choice
Total (4th year)					470	30			

S - study field subjects; K - optional or other;

The plan of the first cycle full-time study program in Medical and Veterinary Genetics for 2021-2022 was approved by the MF Council in 2020-10-21 protocol no. 84

Chairwoman of the study program committee

prof. dr. Rasa Ugenskienė