

**FIELD OF STUDY - GENETICS**  
**THE FIRST CYCLE (FULL-TIME) STUDY PROGRAM *MEDICAL AND VETERINARY GENETICS***

**Study Plan for 2023/2024 Academic Year**

**STUDY YEAR I**

No.	Subject Code	Subject/Module	Type of Study	Responsible Department /Clinic/Institute	Contact Work Hours	ECTS Credits	Semester/semesters	Assessment	Responsible Lecturer
1.	MF/KEK/MVG-PU06	International Professional Terminology and Lithuanian Language	K	Department of Languages and Education	56	3	1	Exam	S. Morkevičienė
		International Professional Terminology in Latin			37	2			S. Morkevičienė
		Lithuanian (foreign) Language I			19	1			L. Alešiūnaitė
2.	GMF/BIO/MVG-PU16	Essential Biology	S	Institute of Biology Systems and Genetic Research	110	6	1	Exam	J. Loginovič
3.	MF/ANI/MVG-PU02	Anatomy of Human and Laboratory Animals	S	Institute of Anatomy	110	6	1	Exam	D.H. Pauža
		Human Anatomy		Institute of Anatomy	74	4			D.H. Pauža
		Laboratory Animals Anatomy		Department of Anatomy and Physiology	36	2			I. Monkevičienė
4.	FF/ANT/MVG-PU05	General and Inorganic Chemistry	S	Department of Analytical and Toxicological Chemistry	110	6	1	Exam	A. Ževžikovas
5.	GMF/BIO/MVG-PU15	Cell Biology	S	Institute of Biology Systems and Genetic Research	110	6	1	Exam	R. Insodaitė
6.	By choice	Elective Subject	K	By choice	56	3	1	Project	By choice
7.	MF/KEK/MVG-PU07	Lithuanian (foreign) Language II	K	Department of Languages and Education	56	3	2	Exam	L. Alešiūnaitė

8.	MF/FIK/MVG-PU02	Human and Animal Physiology	S	Institute of Physiology and Pharmacology	110	6	2	Exam	A.Volkevičiūtė
		Human Physiology		Institute of Physiology and Pharmacology	64	3			A.Volkevičiūtė
		Animal Physiology		Department of Anatomy and Physiology	46	3			J. Žymantienė
9.	FF/ANT/MVG-PU06	Organic Chemistry	S	Department of Analytical and Toxicological Chemistry	110	6	2	Exam	A. Ževžikovas
10.	GMF/BIO/MVG-PU22	General Genetics	S	Institute of Biology Systems and Genetic Research	110	6	2	Exam	K. Morkūnienė
11.	MF/FMB/MVG-PU10	Basics of Higher Mathematics and Probability Theory	S	Department of Physics, Mathematics, and Biophysics	56	3	2	Exam	I. Grabauskytė
12.	MF/FMB/MVG-PU11	Biological Physics	S	Department of Physics, Mathematics and Biophysics	110	6	2	Exam	A. Grigaliūnas

**STUDY YEAR II**

<b>No.</b>	<b>Subject Code</b>	<b>Subject/Module</b>	<b>Type of Study</b>	<b>Responsible Department /Clinic/Institute</b>	<b>Contact Work Hours</b>	<b>ECTS Credits</b>	<b>Semester/ semesters</b>	<b>Assessment</b>	<b>Responsible Lecturer</b>
1.	MF/LMK/MVG-PU02	Basic of Clinical Laboratory Diagnostics	S	Department of Laboratory Medicine	110	6	3	Exam	D. Urbonienė
2.	FF/ANT/MVG-PU07	Methods of Physico-Chemical Analysis	S	Department of Analytical and Toxicological chemistry	55	3	3	Exam	L. Ivanauskas
3.	MF/BCM/MVG-PU03	General Biochemistry	S	Department of Biochemistry	110	6	3	Exam	R. Bernotienė
4.	MF/FMB/MVG-PU13	Biostatistics	S	Department of Physics, Mathematics and Biophysics	110	6	3	Exam	R. Paukštaitienė
5.	MF/HIS/MVG-PU06	Histology and Embryology	S	Department of Histology and Embryology	165	9	3	Exam	K. Lasienė, L. Šlekienė
6.	GMF/BIO/MVG-PU24	Molecular Biology	S	Institute of Biology Systems and Genetic Research	110	6	4	Exam	P.Vaitkienė
7.	VF/MVI/MVG-PU03	Basics of Microbiology and Virology	S	Institute of Microbiology and Virology	110	6	4	Exam	Ž.Maželienė
8.	MF/PAK/MVG-PU02	General and Molecular Pathology	S	Department of Pathological Anatomy	110	6	4	Exam	L. Poškienė, M. Kuprytė
		General and Molecular Pathology		Department of Pathological Anatomy	64	3,45			L. Poškienė, M. Kuprytė
		General and Molecular Pathology		Department of Veterinary Pathobiology	33	1,78			A. Pockevičius
		General and Molecular Pathology		Institute of Physiology and Pharmacology	13	0,77			D. Akramienė
9.	IAK/IAK/MVG-PU02	Basics of Immunology	S	Department of Immunology and Allergology	110	6	4	Exam	J. Staikūnienė
10.	GMF/BIO/MVG-PU25	Plant Genetics	S	Institute of Biology Systems and Genetic Research	55	3	4	Exam	B. Frercks
11.	By choice	Elective Subject	K	By choice	55	3	4	Project	By choice

**STUDY YEAR III**

<b>No.</b>	<b>Subject Code</b>	<b>Subject/Module</b>	<b>Type of Study</b>	<b>Responsible Department /Clinic/Institute</b>	<b>Contact Work Hours</b>	<b>ECTS Credits</b>	<b>Semester/ semesters</b>	<b>Assessment</b>	<b>Responsible Lecturer</b>
1.	GMF/BIO/MVG-PU07	Veterinary Genetics	S	Institute of Biology Systems and Genetic Research	160	10	5 and 6	Intermediate credit, Exam	R. Insodaitė
2.	GMMK/GMMK/MVG-PU01	Medical Genetics I	S	Department of Genetics and Molecular Medicine	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
		Mathematical Basics of Bioinformatics		Department of Physics, Mathematics and Biophysics	57	3			A. Kriščiukaitis
		Genome and Protein Computer Analysis		Institute of Biology Systems and Genetic Research	35	2			B. Frercks
5.	GMF/BIO/MVG-PU12	Population Genetics	S	Institute of Biology Systems and Genetic Research	90	5	5	Exam	P. Prakas
6.	GMF/BIO/MVG-PU10	Epigenetics	S	Institute of Biology Systems and Genetic Research	90	5	5	Exam	P. Vaitkienė
7.	GMF/BIO/MVG-PU06	Biotechnology and Gene Engineering	S	Institute of Biology Systems and Genetic Research	90	5	6	Exam	R. Bižienė
8.	MF/GE/MVG-PU03	Medical Genetics II	S	Department of Gastroenterology	80	5	6	Exam	J. Skiecevičienė
		Medical Genetics II		Institute of Oncology	40	2,5			R. Ugenskienė
		Medical Genetics II		Department of Gastroenterology	40	2,5			J. Skiecevičienė
9.	GMF/BIO/MVG-PU13	Ecological Genetics	S	Institute of Biology Systems and Genetic Research	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
		Bioethics		Department of Bioethics	54	3			E. Peičius
		Animal science		Department of Anatomy and Physiology	36	2			R. Želvytė, J. Žymantienė
11.	By choice	Bachelor's Thesis	S	By choice	90	5	6		By choice

								<b>Intermediate credit</b>	
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**STUDY YEAR IV**

<b>No.</b>	<b>Subject Code</b>	<b>Subject/Module</b>	<b>Type of Study</b>	<b>Responsible Department /Clinic/Institute</b>	<b>Contact Work Hours</b>	<b>ECTS Credits</b>	<b>Semester/ semesters</b>	<b>Assessment</b>	<b>Responsible Lecturer</b>
<b>1.</b>	<b>GME/BIO/MVG-PU08</b>	<b>Professional Practice</b>	<b>S</b>	<b>Institute of Biology Systems and Genetic Research</b>	<b>200</b>	<b>15</b>	<b>7</b>	<b>Project</b>	<b>R. Bižienė</b>
		Professional Practice assessment		Institute of Biology Systems and Genetic Research	20	5			R. Bižienė
		Professional Practice at laboratories		<b>By choice</b>	180	10			<b>By choice</b>
<b>2.</b>	<b>By choice</b>	<b>Bachelor's Thesis</b>	<b>S</b>	<b>By choice</b>	<b>270</b>	<b>15</b>	<b>7</b>	<b>Project</b>	<b>By choice</b>

The study plan of the MF first cycle full-time study program Medical and Veterinary Genetics for 2023-2024 academic study year was approved by the MF Council in 2022      October      , protocol No.