

**STUDY FIELD – GENETICS
BACHELOR STUDY PROGRAMME “MEDICAL AND VETERINARY GENETICS”**

2022/ 2023 ACADEMIC YEAR

I YEAR

No.	Code of the Subject	Title of the Subject/ Module	Type of Subject	Responsible Department/ Clinics/ Institute	Contact Work hours	ECTS Credit	Semester/ semesters	Evaluation Form	Coordinating Lecturer
1.	MF/KEK/MVG-PU06	International Professional Terminology and Lithuanian Language	B	Department of Languages and Education	56	3	1	Examination	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	Examination	J. Loginovič
3.	MF/ANI/MVG-PU02	Anatomy of Human and Laboratory Animals	S	Institute of Anatomy	110	6	1	Examination	D.H. Pauža
		Human Anatomy		Institute of Anatomy	74	4			D.H. Pauža
		Laboratory Animals Anatomy		Department of Anatomy and Physiology	36	2			I. Zakienė
4.	FF/ANT/MVG-PU05	General and Inorganic Chemistry	S	Department of Analytical and Toxicological Chemistry	110	6	1	Examination	A. Ževžikovas
5.	GMF/BIO/MVG-PU15	Cell Biology	S	Institute of Biology Systems and Genetic Research	110	6	1	Examination	R. Insodaitė
6.	According to choice	Elective Subject	K	According to Elective Subject	56	3	1	Project	According to Elective Subject
7.	MF/KEK/MVG-PU07	Lithuanian (foreign) Language II	B	Department of Languages and Education	56	3	2	Examination	L. Alešiūnaitė
8.	MF/FIK/MVG-PU02	Human and Animal Physiology	S	Institute of Physiology and Pharmacology	110	6	2	Examination	K. Vadopalas
		Human Physiology		Institute of Physiology and Pharmacology	64	3			K. Vadopalas

		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	Examination	A. Ževžikovas
10.	GMF/BIO/MVG-PU22	General Genetics	S	Institute of Biology Systems and Genetic Research	110	6	2	Examination	K. Morkūnienė
11.	MF/FMB/MVG-PU10	Basics of Higher Mathematics and Probability Theory	S	Department of Physics, Mathematics, and Biophysics	56	3	2	Examination	I. Grabauskytė
12.	MF/FMB/MVG-PU11	Biological Physics	S	Department of Physics, Mathematics and Biophysics	110	6	2	Examination	A. Grigaliūnas
Total:					1104	60			

II YEAR (enrolled until 2022)

No.	Code of the Subject	Title of the Subject/ Module	Type of Subject	Responsible Department/ Clinics/ Institute	Contact Work hours	ECTS Credit	Semester/ semesters	Evaluation Form	Coordinating Lecturer
1.	MF/LMK/MVG-PU01	Basics of Clinical Laboratory Diagnostics	S	Department of Laboratory Medicine	90	5	3	Examination	D. Urbonienė
2.	FF/ANT/MVG-PU04	Methods of Physico-Chemical Analysis	S	Department of Analytical and Toxicological chemistry	90	5	3	Examination	L. Rimkienė
3.	MF/BCM/MVG-PU01	General Biochemistry	S	Department of Biochemistry	90	5	3	Examination	R. Bernotienė
4.	MF/FMB/MVG-PU04	Biostatics	S	Department of Physics, Mathematics and Biophysics	90	5	3	Examination	R. Paukštaitienė
5.	MF/HIS/MVG-PU04	Embryology and Developmental Genetics	S	Department of Histology and Embryology	90	5	3	Examination	A. Valančiūtė, K. Lasienė
6.	MF/HIS/MVG-PU03	Histology	S	Department of Histology and Embryology	90	5	3	Examination	A. Valančiūtė, K. Lasienė
7.	GMF/BIO/MVG-PU02	Molecular Biology	S	Institute of Biology Systems and Genetic Research	90	5	4	Examination	A. Jasiukaitienė
8.	VF/MVI/MVG-PU01	Basics of Microbiology and Virology	S	Institute of Microbiology and Virology	90	5	4	Examination	S. Šimonytė
9.	MF/PAK/MVG-PU01	General and Molecular Pathology	S	Department of Pathological Anatomy	90	5	4	Examination	L. Poškienė, M. Kuprytė
		General and Molecular Pathology		Department of Pathological Anatomy	52	2,8			L. Poškienė, M. Kuprytė
		General and Molecular Pathology		Department of Veterinary Pathobiology	27	1,45			A. Pockevičius
		General and Molecular Pathology		Institute of Physiology and Pharmacology	11	0,75			D. Akramienė
10.	IAK/IAK/MVG-PU01	Basics of Immunology	S	Department of Immunology and Allergology	93	5	4	Examination	J. Staikūnienė
11.	GMF/BIO/MVG-PU04	Plant Genetics	S	Institute of Biology Systems and Genetic Research	90	5	4	Examination	B. Frercks
12.	According to choice	Elective Subject	K	According to Elective Subject	90	5	4	Project	According to Elective Subject
Total (2nd year)					1083	60			

III YEAR (enrolled until 2022)

No.	Code of the Subject	Title of the Subject/ Module	Type of Subject	Responsible Department/ Clinics/ Institute	Contact Work hours	ECTS Credit	Semester/ semesters	Evaluation Form	Coordinating Lecturer
1.	GMF/BIO/MVG-PU07	Veterinary Genetics	S	Institute of Biology Systems and Genetic Research	160	10	5 and 6	Intermediate credit, Examination	R. Insodaitė
2.	MF/GE/MVG-PU03	Medical Genetics I	S	Department of Genetics and Molecular Medicine	90	5	5	Examination	M. Šukys
3.	FF/ANT/MVG-PU03	Analytical Chemistry	S	Department of Analytical and Toxicological Chemistry	90	5	5	Examination	L. Rimkienė
4.	MF/FMB/MVG-PU06	Bioinformatics	S	Department of Physics, Mathematics and Biophysics	92	5	5	Examination	A. Kriščiukaitis
		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	Examination	P. Prakas
6.	GMF/BIO/MVG-PU10	Epigenetics	S	Institute of Biology Systems and Genetic Research	90	5	5	Examination	P. Vaitkienė
7.	GMF/BIO/MVG-PU06	Biotechnology and Gene Engineering	S	Institute of Biology Systems and Genetic Research	90	5	6	Examination	R. Bižienė
8.	MF/GE/MVG-PU03	Medical Genetics II	S	Department of Gastroenterology	80	5	6	Examination	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	Examination	P. Prakas
10.	VSF/BEK/MVG-PU01	Bioethics and Animal science	S	Department of Bioethics	90	5	6	Examination	E. Peičius
		Bioethics		Department of Bioethics	54	3			E. Peičius
		Animal science		Department of Anatomy and Physiology	36	2			R. Želvytė, J. Žymantienė
11.	According to choice	Bachelor's Thesis	S	All Departments	90	5	6	Intermediate credit	According to choice
Total:					1052	60			

IV YEAR (enrolled until 2022)

No.	Code of the Subject	Title of the Subject/ Module	Type of Subject	Responsible Department/ Clinics/ Institute	Contact Work hours	ECTS Credit	Semester/ semesters	Evaluation Form	Coordinating Lecturer
1.	GMF/BIO/MVG-PU08	Professional Practical Training	S	Institute of Biology Systems and Genetic Research	200	15	7	Project	R. Bižienė
				Institute of Biology Systems and Genetic Research	20	5			R. Bižienė
				All Departments	180	10			According to choice
2.	According to choice	Bachelor's Thesis	S	All Departments	270	15	7	Project	According to choice
Total:					470	30			

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

Medicinos fakulteto pirmosios pakopos studijų programos *Medicininė ir veterinarinė genetika 2022-2023* m.m. studijų planas patvirtintas Medicinos fakulteto tarybos posėdyje, 2021 m. lapkričio 10 d., protokolo Nr. 92.