Lietuvos sveikatos mokslų universiteto Senato 2021 m. lapkričio 25 d. nutarimu Nr. 153-03

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	В	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	В	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:					60		-	1

II YEAR (enrolled until 2022)

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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
MF/LMK/MVG-PU01	Basics of Clinical Laboratory Diagnostics	S	Department of Laboratory Medicine	90	5	3	Examination	D. Urbonienė
FF/ANT/MVG-PU04	Methods of Physico-Chemical Analysis	S	Department of Analytical and Toxicological chemistry	90	5	3	Examination	L. Rimkienė
MF/BCM/MVG-PU01	General Biochemistry	S	Department of Biochemistry	90	5	3	Examination	R. Bernotienė
MF/FMB/MVG-PU04	Biostatics	S	Department of Physics, Mathematics and Biophysics	90	5	3	Examination	R. Paukštaitienė
MF/HIS/MVG-PU04	Embryology and Developmental Genetics	S	Department of Histology and Embryology	90	5	3	Examination	A. Valančiūtė, K. Lasienė
MF/HIS/MVG-PU03	Histology	S	Department of Histology and Embryology	90	5	3	Examination	A. Valančiūtė, K. Lasienė
GMF/BIO/MVG-PU02	Molecular Biology	S	Institute of Biology Systems and Genetic Research	90	5	4	Examination	A. Jasiukaitienė
VF/MVI/MVG-PU01	Basics of Microbiology and Virology	S	Institute of Microbiology and Virology	90	5	4	Examination	S. Šimonytė
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
IAK/IAK/MVG-PU01	Basics of Immunology	S	Department of Immunology and Allergology	93	5	4	Examination	J. Staikūnienė
GMF/BIO/MVG-PU04	Plant Genetics	S	Institute of Biology Systems and Genetic Research	90	5	4	Examination	B. Frercks
According to choice	Elective Subject	K	According to Elective Subject	90	5	4	Project	According to Elective Subject
	MF/LMK/MVG-PU01 FF/ANT/MVG-PU04 MF/BCM/MVG-PU01 MF/FMB/MVG-PU04 MF/HIS/MVG-PU03 GMF/BIO/MVG-PU02 VF/MVI/MVG-PU01 MF/PAK/MVG-PU01 IAK/IAK/MVG-PU01 GMF/BIO/MVG-PU04	MF/LMK/MVG-PU01 Basics of Clinical Laboratory Diagnostics FF/ANT/MVG-PU04 Methods of Physico-Chemical Analysis MF/BCM/MVG-PU01 General Biochemistry MF/FMB/MVG-PU04 Biostatics MF/HIS/MVG-PU04 Embryology and Developmental Genetics MF/HIS/MVG-PU03 Histology GMF/BIO/MVG-PU01 Basics of Microbiology and Virology WF/MVI/MVG-PU01 General and Molecular Pathology General and Molecular Pathology General and Molecular Pathology IAK/IAK/MVG-PU01 Basics of Immunology IAK/IAK/MVG-PU01 Plant Genetics	MF/LMK/MVG-PU01 Basics of Clinical Laboratory Diagnostics FF/ANT/MVG-PU04 Methods of Physico-Chemical Analysis MF/BCM/MVG-PU01 General Biochemistry S MF/FMB/MVG-PU04 Biostatics S MF/HIS/MVG-PU04 Embryology and Developmental Genetics MF/HIS/MVG-PU03 Histology S GMF/BIO/MVG-PU02 Molecular Biology S VF/MVI/MVG-PU01 Basics of Microbiology and Virology MF/PAK/MVG-PU01 General and Molecular Pathology General and Molecular Pathology General and Molecular Pathology IAK/IAK/MVG-PU01 Basics of Immunology S GMF/BIO/MVG-PU01 Plant Genetics S	MF/LMK/MVG-PU01Basics of Clinical Laboratory DiagnosticsSubjectInstituteFF/ANT/MVG-PU04Basics of Clinical Laboratory DiagnosticsSubjectDepartment of Laboratory MedicineFF/ANT/MVG-PU04Methods of Physico-Chemical AnalysisSubjectDepartment of Analytical and Toxicological chemistryMF/BCM/MVG-PU01General BiochemistrySubjectDepartment of BiochemistryMF/HIS/MVG-PU04Embryology and Developmental GeneticsSubjectDepartment of Physics, Mathematics and BiophysicsMF/HIS/MVG-PU03HistologySubjectDepartment of Histology and EmbryologyGMF/BIO/MVG-PU02Molecular BiologySubjectInstitute of Biology Systems and Genetic ResearchVF/MVI/MVG-PU01Basics of Microbiology and VirologySubjectInstitute of Microbiology and VirologyMF/PAK/MVG-PU01General and Molecular PathologySuppartment of Pathological AnatomyGeneral and Molecular PathologyDepartment of Pathological AnatomyGeneral and Molecular PathologyDepartment of Physiology and PharmacologyIAK/IAK/MVG-PU01Basics of ImmunologySuppartment of Immunology and AllergologyGMF/BIO/MVG-PU04Plant GeneticsSuppartment of Biology Systems and Genetic Research	MF/LMK/MVG-PU01Basics of Clinical Laboratory DiagnosticsSubjectInstituteWork hoursMF/LMK/MVG-PU01Basics of Clinical Laboratory DiagnosticsSDepartment of Laboratory Medicine90FF/ANT/MVG-PU04Methods of Physico-Chemical AnalysisSDepartment of Analytical and Toxicological chemistry90MF/BCM/MVG-PU01General BiochemistrySDepartment of Biochemistry90MF/HIS/MVG-PU04BiostaticsSDepartment of Physics, Mathematics and Biophysics90MF/HIS/MVG-PU04Embryology and Developmental GeneticsSDepartment of Histology and Embryology90GMF/BIO/MVG-PU02Molecular BiologySInstitute of Biology Systems and Genetic Research90VF/MVI/MVG-PU01Basics of Microbiology and VirologySInstitute of Microbiology and Virology90MF/PAK/MVG-PU01General and Molecular PathologySDepartment of Pathological Anatomy90General and Molecular PathologyDepartment of Pathological Anatomy52General and Molecular PathologyDepartment of Veterinary Pathology27General and Molecular PathologyInstitute of Physiology and Pharmacology11IAK/IAK/MVG-PU04Basics of ImmunologySDepartment of Immunology and AllergologyGMF/BIO/MVG-PU04Plant GeneticsSInstitute of Biology Systems and Genetic Research90	Module Subject Institute Work hours Credit	Mb/LMK/MVG-PU01 Basics of Clinical Laboratory Diagnostics Subject Institute Work hours Credit semesters FF/ANT/MVG-PU01 Basics of Clinical Laboratory Diagnostics S Department of Laboratory Medicine 90 5 3 FF/ANT/MVG-PU04 Methods of Physico-Chemical Analysis S Department of Biochemistry 90 5 3 MF/BCM/MVG-PU01 General Biochemistry S Department of Physics, Mathematics and Biophysics 90 5 3 MF/HIS/MVG-PU04 Embryology and Developmental Genetics S Department of Histology and Embryology 90 5 3 MF/HIS/MVG-PU03 Histology S Department of Histology and Embryology 90 5 3 GMF/BIO/MVG-PU02 Molecular Biology S Institute of Biology Systems and Genetic Research 90 5 4 VF/MVI/MVG-PU01 Basics of Microbiology and Virology S Institute of Microbiology and Virology 90 5 4 MF/PAK/MVG-PU01 Basics of Immunology Department of Pathological Anatomy 52 2,8 <td>MF/IAMK/MVG-PU01 Basics of Clinical Laboratory Diagnostics Subject Institute Work hours Credit of partment of partment of Laboratory Diagnostics Semesters Form FF/ANT/MVG-PU04 Methods of Physico-Chemical Analysis S Department of Laboratory Diagnostics 90 5 3 Examination MF/BCM/MVG-PU04 Methods of Physico-Chemical Analysis S Department of Biochemistry 90 5 3 Examination MF/BM/MVG-PU04 Biostatics S Department of Physics, Mathematics and Biophysics 90 5 3 Examination MF/HIS/MVG-PU04 Embryology and Developmental Genetics S Department of Histology and Embryology 90 5 3 Examination MF/HIS/MVG-PU04 Molecular Biology S Institute of Biology Systems and Genetic Research 90 5 3 Examination MF/HIS/MVG-PU01 Basics of Microbiology and Virology S Institute of Biology Systems and Genetic Research 90 5 4 Examination MF/PAK/MVG-PU01 Basics of Immunology S Department of Pathological Anatomy</td>	MF/IAMK/MVG-PU01 Basics of Clinical Laboratory Diagnostics Subject Institute Work hours Credit of partment of partment of Laboratory Diagnostics Semesters Form FF/ANT/MVG-PU04 Methods of Physico-Chemical Analysis S Department of Laboratory Diagnostics 90 5 3 Examination MF/BCM/MVG-PU04 Methods of Physico-Chemical Analysis S Department of Biochemistry 90 5 3 Examination MF/BM/MVG-PU04 Biostatics S Department of Physics, Mathematics and Biophysics 90 5 3 Examination MF/HIS/MVG-PU04 Embryology and Developmental Genetics S Department of Histology and Embryology 90 5 3 Examination MF/HIS/MVG-PU04 Molecular Biology S Institute of Biology Systems and Genetic Research 90 5 3 Examination MF/HIS/MVG-PU01 Basics of Microbiology and Virology S Institute of Biology Systems and Genetic Research 90 5 4 Examination MF/PAK/MVG-PU01 Basics of Immunology S Department of Pathological Anatomy

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.