

Informacje ogólne o kierunku studiów

Nazwa kierunku studiów	LEKARSKI - English Division
Poziom kształcenia	jednolite studia magisterskie
Liczba semestrów i liczba punktów ECTS konieczna do ukończenia	12; 363 ECTS
Profil kształcenia	ogólnoakademicki
Formy studiów	stacjonarne/niestacjonarne
Tytuł zawodowy uzyskany przez absolwenta	lekarz
Poziom Polskiej Ramy Kwalifikacji	VII

General information about the field of study

Name of field of study	Medical – English Division
The level of education	Uniform Master's studies
The number of semesters and the number of ECTS points necessary	12; 363 ECTS
Education profile	Generally academic
Forms of study	Full-time
Professional title obtained by the graduate	lekarz
Polish Qualifications Framework level	VII

Module / Subject	ECTS	Total number of hours	I year						Manner of obtaining credit	Course content	Symbols of learning outcomes
			Number of hours								
			lectures	seminars	exercise	laboratories	practical training	self-study			
Basic Polish 1	2	60			60				Credit with grade	Greeting, introducing, numbers, personal information, nationalities, professions, family members, verbs - present forms, food and drinks, transport, days of the week, colours, adjectives (shape, size, quality), time expressions.	1.2.5.,1.2.8.,1.3.1.,1.3.5.,D.U12.
Biophysics	5	60	22	4	26	8			Exam	Laws of blood flow, transport processes, thermodynamics, bioenergetics, biopotentials, physical aspects of hearing and seeing, basics of medical imaging, interactions of ionizing radiation.	1.2.8.,1.2.9.,1.3.10.,1.3.5.,1.3.8.,B.U1.,B.U2.,B.U9.,B.W20.,B.W3.,B.W5.,B.W6.,B.W7_1,B.W7_2,B.W8.,B.W9.,F.W10.,
Embryology	2	30	8	10	9	3			Credit with grade	The study process refers an early human development, structure and functions of the fetal membranes and the basic elements of organs and systems development which provides for understanding adult anatomy and histology and birth defects.	A.U5.,A.W1.,A.W6.,
Gross Anatomy with Neuroscience	20	208	58		75	75			Exam	The purpose of teaching the anatomy is to make the student familiar with the structure of the human body, its variability, topographical layout and visualization in various imaging techniques.	1.1.1.,A.U3.,A.U4.,A.U5.,A.W1.,.W2.,A.W3.,
Histology with Cell Physiology	10	102	24		59	19			Exam	Microscopic structure of tissues and organs. Ultrastructure and basic functions of the eucaryotic cell. Cell cycle, cell differentiation and proliferation. Mechanisms of cellular regulations. Structural basis of organ's functions.	A.U1.A.U2.,A.U5.,A.W1.,A.W4.,.W1.,B.W10.,B.W11.,B.W12.,B.W13.,B.W14.,B.W17.,B.W18.,B.W19.,B.W20.,B.W21.,B.W23.,B.W25.,B.W29.,B.W7.,C.W21.,C.W26.,C.W48.,C.W49.,C.W51.,
History of Medicine with Elements of Philosophy	2	30		30					Credit with grade	Sources for the history of medicine; development processes and key events in the subsequent periods: Antiquity, Middle Ages, Modernity, 19th century, 20th century; medicine in Gdańsk	1.3.5.,1.2.5.,1.3.1.,D.U13.,D.U14.,D.U17.,D.W19.D.W20.,D.W21.,D.W22.,

Hygiene	1	15	5		8	2			Credit with grade	During the course, the issues of factors strongly influencing the quality of life and human health, i.e. hygiene of the work environment with elements of mental health hygiene as well as food and nutrition hygiene, will be discussed.	C.W50.,1.1.4.,1.2.4.,1.3.6.,1.3.7.,C.W15.,C.W18.,C.W48.,C.W50.,D.U9.,E.U15.,
Informatics and Biostatistics	2	30		6	24				Credit with grade	The content of the course covers the methodology of using IT and statistical tools as applied to the matter of biomedical sciences.	1.1.5.,1.2.5.,1.2.9.,1.3.10.,1.3.7.,B.U10.,B.U11.,B.U12.,B.W26.,B.W27.,B.W28.,B.W29.,D.U17.,D.W18.,D.W23.,G.W8.,
Information Literacy	0	2	2						Credit	Presentation of the Library regulations and the rules of using Library resources and services, mostly the ways of searching for and ordering literature needed during the studies.	B.U10., 1.3.7.
Medical Biology	2	30	10	10	8	2			Credit with grade	Genetics of neoplasm, pharmacogenetics, mutagenesis, and teratogenesis, types of inheritance, basic human cytogenetics, population genetics, multifactorial inheritance, genetic of blood groups	C.U5.,1.3.5.,1.3.7.,B.W13.,B.W14.,C.U1.,C.U3.,C.U4.,C.U5.,C.W1.,C.W11.,C.W2.,C.W3.,C.W4.,C.W41.,C.W42.,C.W5.,C.W6.,C.W7.,C.W8.,C.W9.,D.U16.,E.W25.,E.W37.,E.W39.,
Medical Chemistry	3	45	15	8	17	5			Exam	This course develops the understanding of chemical structures and biochemical processes that take place in animals and humans, and their medical applications related to pathophysiology.	1.2.6.,1.2.8.,1.3.10.,1.3.5.,1.3.7.,1.3.8.,1.3.9.,B.U4.,B.U5.,B.U8.,B.U9.,B.W1.,B.W10.,B.W11.,B.W12.,B.W13.,B.W2.,B.W3.,B.W4.,C.W15.,C.W39.,C.W43.,C.W47.,C.W48.,D.U17.,D.W18.,B.W23.,E.U33.,
Molecular Biology	1	20	10	10					Credit with grade	The course provides basic information how genetic information is stored, expressed and translated into proteins. It introduces also the methods used for analysis of DNA and RNA and for modifications of genetic information used for medical purposes.	1.1.5.,B.W13.,B.W13.,B.W14.,B.W17.,B.W18.,B.W29.,C.W10.,C.W42.,1.2.9.,B.U12.
Nursing Care Activities	1	10			5	5			Credit with grade	Basic rules of injections (intravenous, intramuscular, subcutaneous and venous catheters' placement) Vital signs assess (Pulse, BP, Resp, Temp);	1.3.1.,1.3.2.,1.3.3.,1.3.5.,1.3.8.,1.3.9.,E.U29_1,E.U29_2,E.U29_5,E.U29_7,F.U3.,F.U5.,
,EU	0	4	4						Credit	Lectures during safety training, students learn about the risk factors in the environment (biological, chemical, physical) accidents and potentially by accident situations, the issues of fire protection and first aid techniques.	F.W.7,EU14,FU10,FU4
Sociology of Medicine	2	26		26					Credit with grade	The classes will discuss problems related to the sociological concept: health and illness, the doctor-patient relationship, medical institutions.	1.1.4.,1.2.7.,1.3.1.,1.3.4.D.U1.,D.U10.,D.U3.,D.W1.,D.W10.,D.W11.,D.W13.,D.W19.,D.W2.,D.W3.,D.W4.,D.W5.,D.W7.,D.W8.,

Workshops in psychology. Training skills of coping with stress	1	15		15					Credit	1. Biological, behavioral and cognitive mechanisms of stress 2. Recognizing effective and ineffective strategies of coping with stress 3. Self-care: eg. time managing. 4. Recreation, hobby and healthy habits	1.3.5.,1.3.6.,1.3.8.D.U16.,D.U2.,D.U9.,D.W12.,D.W14.,
Electives subjects	2	30							Credit		
Vocational Practical Training in: Patient Care	4	120							Credit	Practical training as a nurse assistant in the hospital environment focuses on understanding of patient needs, developing interpersonal communication and empathy.	D.W6.,1.2.8.,1.3.1.,1.3.10.,1.3.2.,1.3.3.,1.3.5.,1.3.6.,1.3.8.,1.3.9.E.U28.,E.U29.,E.U29_1,E.U29_2,E.U29_5,E.U29_6,E.U29_7,E.U29_9,E.U35.,E.U36.,F.U3.,F.U4.,F.U5.,F.U9.,

exercises - classes in a remote form; in exceptional cases, with the rector's consent, in a traditional form requiring direct contact but maintaining the epidemiological safety

laboratories - traditional classes (requiring direct, physical contact)

practical training - traditional classes (requiring direct, physical contact)

In case of selected classes carried out traditionally, with the consent of the rector, the possibility of remote organization is allowed, due to epidemiological conditions.

Module / Subject	ECTS	Total number of hours	II year						Manner of obtaining credit	Course content	Symbols of learning outcomes
			Number of hours								
			lectures	seminars	exercise	laboratories	practical training	self-study			
Basic Immunology	2	25	5	15	4	1			Credit with grade	The aim of the course is to master the basic knowledge of the structure and function of the human immune system.	C.W24.,C.W22.,C.W21.,B.W29.
Basic Polish 2	2	60			60				Exam	Upgrading communicative skills, vocabulary and grammar to interact effectively in everyday situations (with cultural background). Verbs - present and past forms. Basic medical terminology (anatomy, hospital setting and pathology).	1.3.5.,1.3.1.,1.2.5.,D.U12.,1.2.8.
Biochemistry	16	150	60	35	41	14			Exam	This course provides students with a basic understanding of the principles of biochemistry and metabolism and their relationship to medicine.	1.3.8.,1.3.7.,1.3.6.,1.3.5.,B.U9.,B.U8.,B.U6.,B.U5.,B.U3.,B.U13.,B.U10.,1.2.9.,1.2.8.,1.2.6.,1.2.5.,C.W51.,C.W50.,C.W15.,B.W4.,B.W3.,B.W29.,B.W25.,B.W23.,B.W21.,B.W20.,B.W2.,B.W17.,B.W16.,B.W15.,1.1.2.,B.W11.,B.W10.,B.W1.,A.W4.,1.1.5.,1.1.1.,C.W40.,C.W36.,C.W31.,C.W11.,B.W26.,B.W14.,B.W13.,B.W12.,C.W49.,C.W48.,C.W48.
Introduction to Emergency Medicine	2	30	10	5	8	7			Credit with grade	After this course student will be familiar with the management of life-threatening events, especially with cardiopulmonary resuscitation	F.U10.,1.3.5.
Introduction to Internal Medicine 1	2	30		15	8	7			Credit with grade	Principles of conducting physical examination and taking the patient's history. Examination of the head, neck, breast, chest, abdomen. Principles of taking blood pressure, interpreting ECG. Medical documentation and differential diagnosis	1.3.3.,E.U3.,E.U29_1,E.U1.,D.U15.,D.U13.,A.U3.,F.U3.,E.U7.,E.U29.,D.U6.,D.U5.,D.W4.,D.W18.,D.W17.,A.W3.,F.U6.,E.U38.,D.U16.,1.3.6.,1.3.1.
Introduction to Pediatrics 1	1	15		5	5	5			Credit with grade	Taking medical history of pediatric patient,Scheme,methods and elements of physical examination of a child, regarding individual developmental characteristics in particular age groups.Development milestones of a child.	D.U5.,D.U13.,1.1.1.,E.U4.,E.U9.,E.U8.,E.U7.,E.U13.,A.U3.,E.W2.

Medical Ethics	1	10		10				Credit with grade	Presentation of the basic issues of medical ethics with a historical context of medical deontology.	1.3.9.,1.3.3.,1.3.2.,1.3.10.,1.3.1.,D.U15.,D.U13.,1.2.8.,1.2.7.,1.2.5.,G.W5.,G.W11.,D.W5.,D.W19.,D.W18.,D.W17.,D.W16.,D.W10.,1.1.4.
Methodology of Scientific Research	1	10	5	5				Credit with grade	The subject would teach medical students basic understanding of current principles of scientific studies in biomedicine, including basic, applied and developmental (R&D) studies, as well as clinical trials	1.3.7.,1.3.10.,B.U13.,D.W23.,B.W29.,1.1.5.
Microbiology with Parasitology	6	90	10	15	49	16		Exam	General and systematic microbiology in relation to individual groups of microorganisms (bacteria, viruses, fungi and parasites).	C.W40.,C.W34.,C.W21.,C.W20.,C.W19.,C.W18.,C.W17.,C.W16.,C.W14.,C.W13.,C.W12.,C.W11.,1.3.8.,1.3.7.,1.3.5.,C.U9.,C.U10.,C.U8.,A.U1.,C.U7.
Physical Education	0	60			60			Zaliczenie	Exercises to strengthen the postural muscles responsible for vertical posture, exercise of varying intensity including strength training, endurance, high-speed, and reducing body fat. Strengthening exercises and stretching various muscle groups.	1.1.1.,1.3.6.,1.3.5.,D.U2.,D.W15.,D.W14.,D.W12.,B.W23.,A.W2.
Physiology	16	150	52	32	50	16		Exam	The objective of the course is to make students aware of physiological mechanisms securing normal function of the human organism, especially regulation processes and the involved structures and chemical agents.	E.U9.,D.U13.,D.U12.,C.U20.,1.2.8.,1.2.6.,1.1.1.,1.1.4.,1.1.2.,1.1.5.,B.W1.,B.W17.,B.W2.,B.W20.,B.W21.,B.W22.,B.W23.,B.W24.,B.W25.,B.W3.,B.W7.,B.W7_1,B.W7_2,B.W7_3,B.W7_4,C.W29.,C.W49.,C.W50.,C.W51.,C.W6.,D.W12.,D.W23.,F.W9_2,F.W9_1,F.W9_5,1.2.9.,1.2.5.,A.U1.,B.U7.,B.U9.,F.U26.,E.U29.,1.3.7.,1.3.6.,1.3.5.
Psychology in Medicine	2	30	6	8	12	4		Credit with grade	The core of the course is focused on psychological skills of effective physician-patient relationship with the attention paid to communication, including breaking bad news and team working. Factors of health and disease are considered.	D.W11.,D.U9.,D.U5.,D.U11.,D.W3.,D.W18.,D.W15.,D.W12.,D.W10.,C.W9.,1.3.9.,1.3.2.,1.3.1.,D.U8.,D.U2.,D.U10.,1.2.8.,1.2.7.,D.W9.,D.W7.,D.W6.
Public Health	2	30		30				Credit with grade	The concepts of health and public healthThe health situation and its demographic basesSocial and health policy Health promotion International work in the public health	1.3.4.,B.U12.,B.U10.,1.2.9.,1.1.4.
Elective subjects	3	45						Credit		

Vocational practical training in: Outpatients Care-Family Doctor (90 hours), Temporarily Assistance-in Outpatients' Department or Emergency Ward (30 hours)	4	120							Credit	The practical vocational training is designed to learn Students basic family doctor pracedures. Students are expected to work as a nursing assistance for ambulatory service and aquire life saving skills.	D.U12,D.U13,D.U15,E.U14,E.U20,E.U.28,E.U38,F.U10,F.U11,F.U21,F.U3,F.U4,G.U5,G.U6,G.U8,1.3.5,1.3.3,B.W24,C.W13,C.W34,C.W46,D.W15,D.W8,E.W38,E.W41,F.W7,F.W8,F.W9_6,G.W6
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			lectures	seminars	exercise	laboratories	practical training	self-study			
Clinical Genetics	3	50	20	24	5	1			Exam	differential diagnosis in clinical genetics; selection and interpretation of genetic tests; genetic counselling, recurrence risk assesment	L_A.W6,L_B.U11,L_B.W14,L_C.U4,L_C.U5,L_B.W27,L_B.W34,L_C.U1,L_C.U2,L_C.U3,L_B.W14,L_C.U6,L_C.W1,L_C.W10,L_C.W11,L_C.W2,L_C.W3,L_C.W33,L_C.W4,L_C.W40,L_C.W41,L_C.W42,L_C.W5,L_C.W7,L_C.W9,L_D.U1,L_D.U13,L_D.U6,L_D.W1,L_D.W13,L_D.W16,L_D.W18,L_D.W19,L_D.W8,L_E.U16,L_E.W24,L_E.W25,L_E.W26,L_E.W35,L_E.W37,L_E.W5,L_F.W9,L_K05,L_K06,L_K07,L_K09,
Clinical Nutrition	1	20		15	3			2	Credit with grade	Clinical, anthropometrical and biochemical assesment of nutritional status. Enteral and parenteral nutrition. Nutritional support in different clinical situations. Nutrition of elderly patients. Obesity and overweight..	L_A.W1,L_A.W2,L_B.W19,L_E.U1,L_E.U16,L_B.W20,L_B.W28,L_D.U11,L_D.U16,L_D.U8,L_B.W1,L_E.U25L_E.U25,L_K01,L_K03,L_K05,L_K06,
Epidemiology	1	15		15					Credit with grade	Classes focus on contemporary challenges in epidemiology.The course will cover issues such as the importance of epidemiology in modern medicine and the basics of designing epidemiological studies	L_B.U11,L_B.U12,L_B.U14,L_D.W10,L_D.W12,L_B.W31,L_B.W32,L_B.W34,L_C.W13L_D.W1,L_B.U13,L_D.W5,L_E.W1,L_E.W15,L_E.W41,L_G.W1,L_G.W13,L_G.W2,L_G.W3,L_K01,L_K05,L_K09,
Introduction to Internal Medicine 2	3	65		15	25			25	Exam	During the course students will learn about most common diseases while taking the patients history and performing physical examination.	L_B.W29,L_C.W32L_C.W33,L_D.W8,L_E.U1,L_D.U11,L_D.U14,L_D.U4,L_D.U5,L_D.W15,L_C.W32,L_E.U13,L_E.U14,L_E.U16,L_E.U24,L_E.U3,L_E.U7,L_E.W1,L_F.U3,L_F.U6,L_G.W12,L_K01,L_K03,L_K04,L_K07,L_K09,
Introduction to Neurology	2	30	5	10	8			7	Credit with grade	Our course provides detailed knowledge and understanding on the signs and symptoms of neurological disorders.	L_D.U1,L_D.U14,L_D.U17,L_E.U3,L_E.U38,L_D.U3,L_D.U4,L_D.U6,L_E.U1,L_E.U16,L_D.U16,L_F.U22,L_F.W15,L_G.U6,L_G.W12,L_G.W3,L_G.W8,L_K01,L_K03,L_K04,L_K06,L_K07,L_K08,
Introduction to Oncology	1	15	15						Credit with grade	Biological basis of neoplasia. Molecular mechanisms of cancerogenesis.Symptomatology of cancer. Etiology of cancer.Cancer prevention. Epidemiology of neoplastic diseases.Basics of cancer diagnosis and treatment.	L_D.U15,L_D.U8,L_D.W15L_E.U32,L_E.W23,L_E.W24,L_E.W25,L_E.W26,L_K01,L_K08,

Introduction to Pediatrics 2	3	45	10	7	14		14		Credit with grade	Approach to diagnosis, treatment and prognosis in certain diseases in childhood	L_B.W19,L_B.W20,L_C.W33,L_E.U10,L_E.U11,L_E.U12,L_E.U13,L_E.U14,L_E.U2,L_E.U24,L_E.U27,L_E.U4,L_E.U5,L_E.U7,L_E.U8,L_E.U9,L_E.W1,L_E.W2,L_E.W3_1,L_E.W3_10,L_E.W3_3,L_E.W32,L_E.W34,L_E.W6,L_K01,L_K02,L_K03,L_K04,L_K05,L_K06,L_K07,
Introduction to Surgery	3	60	10	20	15		15		Credit with grade	Introduction to surgery is initial phase of Surgery Course on GUMed, during which students learn basic skills, like physical examination and history taking, necessary for continuation of Surgical Course	L_A.U3,L_A.U4,L_A.U5,L_A.W2,L_A.W3,L_A.W4,L_B.W1,L_B.W2,L_B.W25,L_B.W29,L_B.W8,L_C.U11,L_C.W17,L_C.W19,L_C.W28,L_C.W37,L_D.U1,L_D.U11,L_D.U12,L_D.U14,L_D.U16,L_D.U18,L_D.U3,L_D.U4,L_D.U6,L_D.U8,L_D.W15,L_D.W20,L_D.W4,L_E.U1,L_E.U12,L_E.U14,L_E.U16,L_E.U18,L_E.U24,L_E.U25,L_E.U28,L_E.U3,L_E.U32,L_E.U35,L_E.U36,L_E.U38,L_E.U7,L_E.W1,L_E.W31,L_E.W38,L_F.U12,L_F.U2,L_F.U21,L_F.U4,L_F.U8,L_F.U9,L_F.W3,L_F.W4,L_F.W5,L_F.W6,L_G.W12,L_G.W14,L_G.W8,L_K01,L_K02,L_K03,L_K04,L_K05,L_K06,L_K07,L_K08,L_K09,
Laboratory Diagnostics	3	50		20	23	7			Exam	All classes are aimed to get the knowledge about pathomechanisms of various disease states and laboratories with the practical possibilities of laboratory diagnostics.	L_B.U10,L_B.U7,L_B.W1,L_B.W16,L_B.W2,L_B.W29,L_E.U24,L_E.U33,L_E.U34,L_E.W24,L_E.W37,L_E.W38,L_E.W39,L_K01,L_K09,
Occupational Medicine	1	20		6	7		7		Credit with grade	Occupational medicine is the science of protecting the health of workers against the effects of factors harmful to health, occurring in the work environment or related to the way it is performed.	L_C.W14,L_C.W18,L_C.W32,L_C.W33,L_D.U18,L_D.W10,L_D.W3,L_D.W6,L_E.U1,L_E.U16,L_E.U22,L_E.U24,L_E.U32,L_E.W1,L_E.W30,L_G.W3,L_K03,L_K08,
Pathomorphology	14	160	40	85	26	9			Exam	The students should learn the basic mechanisms of diseases and also be acquainted with the diagnostic methods in pathology. The course will provide the information concerning definition, etiology, pathomechanisms and clinical course.	L_C.W1,L_C.W22,L_C.W23,L_C.W25,L_C.W26,L_C.W28,L_C.W29,L_C.W30,L_C.W31,L_E.W38,L_K01,L_K02,L_K09,
Pathophysiology	7	85	20	35	23	7			Exam	Pathophysiology is a discipline of medical teaching understanding of disease mechanisms in humans, starting from molecular to subcellular, cellular, tissue, organ, system and the organism as a whole, aiming at better diagnosis and treatment.	L_B.U11,L_B.U7,L_B.W1,L_B.W14,L_B.W15,L_B.W16,L_B.W17,L_B.W18,L_B.W19,L_B.W2,L_B.W20,L_B.W21,L_B.W22,L_B.W24,L_B.W25,L_B.W26,L_B.W28,L_B.W29,L_B.W30,L_B.W5,L_C.U11,L_C.U12,L_C.W11,L_C.W12,L_C.W14,L_C.W20,L_C.W21,L_C.W22,L_C.W23,L_C.W26,L_C.W27,L_C.W28,L_C.W29,L_C.W31,L_C.W32,L_C.W33,L_C.W39,L_C.W7,L_D.W15,L_D.W20,L_E.U16,L_E.U24,L_E.W1,L_E.W23,L_E.W32,L_E.W34,L_E.W35,L_E.W8,L_E.W9,L_K01,L_K09,

Pharmacology and Toxicology	10	100	30	30	30	10			Exam	General pharmacology. Prescribing (drug formulations, doses, frequency of dosing). Drugs used in CV diseases, metabolic disorders, psychiatric disorders, gastrointestinal tract disorders, analgesics, antimicrobials and anticancer agents.	L_B.U13,L_B.W20,L_B.W34,L_C.U13,L_C.U15,L_C.U16,L_C.U17,L_C.U18,L_C.W34,L_C.W35,L_C.W36,L_C.W37,L_C.W38,L_C.W39,L_C.W41,L_C.W42,L_C.W43,L_C.W44,L_C.W45,L_D.U15,L_D.U16,L_D.U17,L_E.U15,L_E.U16,L_E.U17,L_E.U18,L_E.U19,L_E.U31,L_E.U33,L_E.W10,L_E.W25,L_E.W26,L_E.W29,L_E.W40,L_E.W41,L_G.U4,L_G.U4,L_G.U6,L_G.W11,L_K01,L_K02,L_K04,L_K05,L_K08,L_K09,
Psychiatry 1	2	50	5	20	13		12		Credit with grade	Psychopathology, Mental State examination, Affective disorders and suicidality, Anxiety Disorders, Stress-related and somatoform disorders, Personality disorders, Sleep and sexual disorders, Pharmacotherapy	L_C.U14,L_C.W38,L_C.W39,L_C.W44,L_D.U10,L_D.U11,L_D.U14,L_D.W1,L_D.W10,L_D.W11,L_D.W12,L_D.W3,L_D.W4,L_D.W7,L_D.W8,L_D.W9,L_E.U1,L_E.U13,L_E.U15,L_E.U16,L_E.U19,L_E.U22,L_E.U5,L_E.U7,L_E.W15,L_E.W16,L_E.W17,L_E.W18,L_E.W19,L_E.W20,L_E.W21,L_E.W22,L_E.W4,L_K01,L_K03,L_K04,L_K06.
Elective subjects	2	30							Credit		
Vocational practical training in: pediatrics-hospital (2 weeks), internal medicine-hospital (2 weeks)	4	120							Credit	Physical examination; interpretation of test results; diagnosing the basic diseases; principles of keeping medical records; basic medical procedures, sanitary and epidemiological regulations, prevention of hospital infections.	L_A.U3,L_A.W2,L_A.W3,L_B.W1,L_B.W2,L_B.W25,L_C.U11,L_C.W33,L_D.U12,L_D.U18,L_D.U5,L_D.U6,L_D.U7,L_D.W1,L_D.W13,L_D.W14,L_D.W15,L_D.W4,L_D.W5,L_D.W6,L_E.U1,L_E.U14,L_E.U24,L_E.U3,L_E.U38,L_E.U4,L_E.U7,L_E.U8,L_E.W2,L_E.W34,L_E.W37,L_E.W38,L_E.W6,L_F.U10,L_F.U11,L_F.U5,L_F.U6,L_F.W2,L_F.W7,L_G.U5,L_G.U6,L_G.W12,L_G.W2,L_G.W3,L_G.W4,L_G.W7,L_G.W8,L_K01,L_K02,L_K03,L_K04,L_K05,L_K06,L_K07,L_K08,L_K09.

exercises - classes in a remote form; in exceptional cases, with the rector's consent, in a traditional form requiring direct contact but maintaining the epidemiological safety

laboratories - traditional classes (requiring direct, physical contact)

practical training - traditional classes (requiring direct, physical contact)

In case of selected classes carried out traditionally, with the consent of the rector, the possibility of remote organization is allowed, due to epidemiological conditions.

Module / Subject	ECTS	Total number of hours	IV year						Manner of obtaining credit	Course content	Symbols of learning outcomes
			Number of hours								
			lectures	seminars	exercise	laboratories	practical training	self-study			
Anaesthesiology and Intensive Therapy	3	60		30	15		15		Exam	The course will approach students to basics of anaesthesia, critical care, perioperative medicine and pain management.	L_C.W28,L_E.U14,L_E.U37,L_E.U7,L_E.W29,L_E.W40,L_F.U11,L_F.W15,L_F.W4,L_F.W5,L_F.W6,L_F.W7,L_K01,L_K02,L_K07,
Cardiac Surgery	2	30		20	5		5		Credit with grade	During Cardiac Surgery course student is learning about current therapeutical options and recommendations for surgical treatment of diseases of the heart - coronary artery disease, heart valves, aortic aneurysms, and end-stage heart failure.	L_A.U3,L_A.U4,L_A.W2,L_A.W3,L_C.U11,L_D.W20,L_E.U16,L_E.U20,L_E.U36,L_E.W34,L_F.U1,L_F.U3,L_F.W14,L_F.W4,L_K01,L_K04,L_K05,L_K09
Clinical Pharmacology 1	1	20	5		15				Credit with grade	Evidence Based Medicine. The rules of pharmacotherapy in pregnancy, in children, the elderly. Safety pharmacotherapy. Drugs and dietary supplements. Pharmacovigilance	L_B.U13,L_B.W34,L_C.U13,L_C.U15,L_C.U16,L_C.U17,L_C.U18,L_C.W34,L_C.W35,L_C.W36,L_C.W37,L_C.W38,L_C.W39,L_C.W41,L_C.W42,L_C.W43,L_C.W44,L_C.W45,L_D.U15,L_D.U16,L_D.U17,L_E.U15,L_E.U16,L_E.U17,L_E.U18,L_E.U19,L_E.U31,L_E.U33,L_E.W10,L_E.W25,L_E.W26,L_E.W29,L_E.W40,L_G.U4,L_G.U6,L_G.W11,L_K01,L_K02,L_K04,L_K05,L_K08,L_K09
Dermatology and Venerology	4	60	10	10	20		20		Exam	Basic dermatologic terminology, skin structure and functions, pathogenesis, clinical presentation and treatment of most common skin diseases and sexually transmitted diseases, diagnostic/therap. procedures in dermatology, basics of dermatosurgery	L_A.U5,L_C.U10,L_C.U11,L_C.W38,L_E.U1,L_E.U16,L_E.U17,L_E.U2,L_E.U24,L_E.U30_7,L_E.U30_8,L_E.U32L_E.W33,L_E.W38,L_F.U4,L_G.U2,L_K03,L_K04,L_K05,L_K07,
Emergency Medicine 1	4	60	30	10	10		10		Credit with grade	In this subject we concentrate on modern CPR. Treatment of patient in severe state: shock, multi-organ injuries, sepsis, poisoning, environmental threats, sudden threat of internal origin.	L_A.U3,L_B.U7,L_B.W29,L_C.U11,L_C.U14,L_C.U6,L_C.W19,L_C.W28,L_C.W38,L_C.W44,L_C.W45,L_D.U11,L_D.U14,L_D.U4,L_D.U5,L_D.W15,L_D.W4,L_E.U12,L_E.U14,L_E.U15,L_E.U16,L_E.U20,L_E.U3,L_E.U33,L_E.U36,L_E.U37,L_E.W14_2,L_E.W14_3,L_E.W14_9,L_E.W18,L_E.W3_3,L_E.W39,L_E.W6,L_E.W7_1,L_E.W7_2,L_F.U10,L_F.U11,L_F.U20,L_F.U21,L_F.U22,L_F.U5,L_F.U8,L_F.U9,L_F.W6,L_F.W7,L_F.W8,L_G.W14,L_G.W8,L_K02,L_K04,L_K05

Gynaecology and Obstetrics 1	2	30		20	5		5		Credit with grade	Physiology of pregnancy,prenatal care,multiple pregnancy (complications,treatment);delivery, post-term pregnancy; physiology of menstrual cycle;puberty and menopause;basis of OB-GYN examination.anamnesis	L_B.W26,L_B.W27,L_D.U12,L_D.U14,L_D.U4, L_E.W5,L_F.U15,L_F.U16,L_F.U17,L_F.U18,L_K01,L_K02,L_K03,L_K04,L_K06,L_K07
Immunology	2	30		20	8	2			Zaliczenie z oceną	Immunodeficiencies; Organ-specific diseases; Systemic diseases; Allergic diseases; Immunotherapy; Transplantation; Vaccinations; Clinical Immunology Laboratory	L_C.U8,L_C.W14,L_C.W20,L_C.W21,L_C.W22, L_C.W23,L_C.W24,L_C.W28,L_C.W41,L_C.W6, L_E.W14_7,L_E.W3_11,L_E.W3_3,L_E.W32, L_E.W37,L_E.W38,L_E.W39,L_E.W7_2L_E.W7_3,L_E.W7_4,L_E.W7_5,L_E.W7_6,L_E.W7_7,L_E.W7_8,L_F.W14,L_K01,L_K09,
Internal Medicine-Cardiology 1	2	30		10	10		10		Credit with grade	Course includes ESC guidelines about ECG analysis and managing bradycardia (with cardiac pacing) tachycardias (AF,AFL,AT, AVNRT,AVRT and nsVT,sVT,VF) and CHF with cardiomyopathies, pulmonary hypertension and pulmonary embolism as well.	L_C.W36,L_C.W37,L_C.W38,L_D.U12,L_D.U13,L_D.U7,L_D.U8,L_D.W15,L_D.W20,L_D.W4, L_E.U1,L_E.U12,L_E.U13,L_E.U14,L_E.U16,L_E.U17,L_E.U18,L_E.U24,L_E.U29_1,L_E.U3, L_E.U30_1,L_E.U31,L_E.U37,L_E.W10,L_E.W32,L_E.W39,L_E.W40,L_F.W6,L_G.W1,L_G.W14,L_G.W3L_G.W3,L_K02,L_K03,L_K06,L_K07,L_K09.
Internal Medicine-Gastroenterology	2	30		10	10		10		Credit with grade	Epidemiology, symptomatology, diagnosis and principles of treatment of main gastrointestinal and liver disorders.	L_A.U3,L_B.U11,L_B.W18,L_B.W19,L_C.U10, L_C.U11,L_C.W28,L_C.W33,L_D.U11,L_D.U14,L_D.U16,L_D.U18,L_D.W15L_E.U1,L_E.U12, L_E.U16,L_E.U20,L_E.U24,L_E.U25,L_E.U29_1,L_E.U29_2,L_E.U3,L_E.U30_1,L_E.U30_4,L_E.U32,L_E.U7,L_E.W1,L_E.W39,L_E.W7_3,L_F.W10_3,L_G.W3,L_K01,L_K03,L_K04,L_K05,L_K06,L_K07,L_K08,L_K09,
Internal Medicine-Hypertension and Diabetology	2	35		5	15		15		Credit with grade	Epidemiology, classification, rules of diagnosis for HT and DM. The pathophysiology. Diagnostic issues related to the assessment of HT and DM patient. Treatment of hypertension and diabetes.	L_D.U14,L_D.U17,L_D.U8,L_D.W20,L_E.U1,L_E.U16,L_E.U18,L_E.U24,L_E.U3,L_E.U32,L_E.W1,L_G.U6,L_K01,L_K04,L_K06,L_K07,L_K09,
Internal Medicine-Nephrology	2	45		9	18		18		Credit with grade	Students will learn pathogenesis, symptomatology and therapy of renal diseases.; develop skills of history taking, physical examination, interpretation of lab. findings, differential diagnosis in renal diseases.	L_B.W1,L_B.W2,L_C.U10,L_C.U15,L_C.W12,L_C.W33,L_C.W37,L_C.W38,L_C.W39,L_D.U14, L_E.U1,L_E.U12,L_E.U13,L_E.U14,L_E.U16,L_E.U20,L_E.U24,L_E.U3,L_E.U7,L_E.W37,L_F.W14,L_K03,L_K04,L_K06,
Neonatology	2	30		10	10		10		Credit with grade	Anamnesis, physical examination. Routine treatment in the delivery room. Neonatal resuscitation. Feeding. Extrauterine adaptaion. Jaundice. Congenital maformations. Prematurity & complications. Infant of a diabetic mother.	L_A.U3,L_C.U10,L_C.U11,L_C.U14,L_C.U15,L_C.W19,L_D.U1,L_D.U12,L_D.U14,L_D.U3,L_D.U4,L_D.U6,L_D.W8,L_E.U12,L_E.U13,L_E.U14,L_E.U16,L_E.U2,L_E.U24,L_E.U25,L_E.U27,L_E.U32,L_E.U7,L_E.U8,L_E.W37,L_E.W39, L_E.W5,L_E.W6,L_F.U11,L_F.U3,L_F.W2,L_F.W6,L_F.W7,L_G.U6,L_G.W12,L_G.W2,L_G.W8,L_K01,L_K02,L_K03,L_K04,L_K05,L_K06,L_K07,L_K09.

Neurology	3	60	5	15	20		20		Exam	Students are prepare to react to acute neurological conditions, perform and interpret neurological examination, order diagnostic tests, propose possible therapeutic and prevention strategies basing on scientific (level of evidence) data.	L_A.U3,L_B.U13,L_B.W28,L_C.U10,L_C.U11,L_C.U8,L_D.U10,L_D.U11,L_D.U12,L_D.U14,L_D.U15,L_D.U16,L_D.U17,L_D.U18,L_D.U3,L_D.U5,L_D.W16,L_D.W5,L_E.U1,L_E.U11,L_E.U12,L_E.U13,L_E.U14,L_E.U15,L_E.U16,L_E.U17,L_E.U24,L_E.U25,L_E.U3,L_E.U30_5,L_E.U32,L_E.U37,L_E.U38,L_E.U4,L_E.U7,L_E.W1,L_E.W11,L_E.W13,L_E.W28,L_E.W29,L_E.W40,L_F.W1_3,L_F.W13_1,L_F.W13_2,L_F.W13_3,L_F.W13_4,L_F.W13_5,L_F.W13_6,L_F.W15,L_F.W6,L_F.W7,L_G.W12,L_G.W5,L_K01,L_K03,L_K04,L_K05,L_K06,L_K07,L_K08,L_K09,
Neurosurgery	1	15	2	8	3		2		Credit with grade	To acquire the basic knowledge about patient examination, qualification of patients to neurosurgery, neurosurgical treatment, postoperative management and care in Neurointensive Care Unit.	L_A.U1,L_A.U3,L_A.W2,L_A.W3,L_A.W4,L_A.W5,L_A.W6,L_B.U11,L_B.W1,L_B.W28,L_B.W33,L_C.W25,L_C.W33,L_E.U22,L_E.U3,L_E.U32,L_E.U37,L_E.U38,L_E.W25,L_E.W28,L_E.W32,L_E.W6,L_F.U1,L_F.U10,L_F.U12,L_F.U2,L_F.U21,L_F.U3,L_F.U4,L_F.W14,L_F.W15,L_F.W3,L_F.W4,L_F.W5,L_G.W8,L_G.W9,L_K01,L_K02,L_K03,L_K04,L_K05,L_K06,L_K07,L_K08,L_K09,
Nuclear Medicine	1	20	15		3		2		Credit with grade	Isotope diagnosis of diseases of the following systems: bone and joint, respiratory, blood, digestive, urinary, nervous, endocrine. Isotope therapy of thyroid, cancer and joint diseases.	L_B.U1,L_B.U2,L_B.W6,L_B.W8,L_K05,
Ophthalmology	3	60		30	15		15		Exam	The teaching content includes the methods HOW TO DIAGNOSE AND TREAT the eye diseases and the aspects that could be utilized by non-ophthalmologists.	L_A.W2,L_A.W3,L_E.U16,L_E.U17,L_E.U18,L_E.U19,L_E.U20,L_E.U22,L_E.U36,L_E.U38,L_F.U19,L_F.U20,L_F.U22,L_F.W3,L_K01,L_K03,L_K04,L_K05,L_K06,L_K07,L_K08,L_K09,
Patient Safety	1	10	10						Credit with grade	Medical errors monitoring. Human factors in pateint safety. Multidisciplinary team working.	L_G.U6L_G.W18,L_G.W6,L_G.W7,
Pediatrics 1	4	60		25	18		17		Credit with grade	seminars - discussion of the basis issues of diagnostics and therapy in pediatricsexercises - interview taking, physical examination, medical records, laboratory and other additional test	L_A.U3,L_B.W26,L_C.W19,L_C.W20,L_C.W28,L_C.W33,L_C.W37,L_C.W6,L_D.U12,L_D.U14,L_D.U15,L_D.U16,L_D.U5,L_D.W15,L_D.W8,L_E.U13,L_E.U2,L_E.U24,L_E.U4,L_E.U7,L_E.W24,L_E.W25,L_E.W26,L_E.W27,L_E.W28,L_E.W29,L_E.W32,L_E.W37,L_E.W5,L_E.W6,L_F.U3,L_F.W1_4,L_F.W7,L_G.U5,L_K01,L_K03,L_K04,L_K06,L_K07
Psychiatry 2	3	40		20	10		10		Credit with grade	Continuation of Psychiatry 1 course with focus on practical aspects of diagnosing and treatment of specific mental disorders including psycho- and pharmacotherapy.	L_C.W43,L_C.W44,L_D.U1,L_D.U10,L_D.U14,L_D.U2,L_D.U3,L_D.U4,L_D.U5,L_D.U6,L_D.U7,L_D.U9,L_D.W10,L_D.W11,L_D.W2,L_D.W4,L_D.W5,L_D.W7,L_D.W8,L_E.U1,L_E.U13,L_E.U15,L_E.U17,L_E.U19,L_E.U5,L_E.U7,L_E.W1,L_E.W10,L_E.W11,L_E.W12,L_E.W15,L_E.W16,L_E.W17,L_E.W18,L_E.W19,L_E.W20,L_E.W21,L_E.W22,L_E.W4,L_K03,L_K06,L_K07,L_K08,

Radiology 1	2	32	2	15	8		7		Credit with grade	1.principles, methodology, indications, preparation, limitations of: conventional radiography, ultrasound, CT, MRI2.radiological anatomy3.common pathologies in various imaging modalities	L_A.U4,L_B.U2,L_B.W6,L_B.W8,L_D.U6,L_E.U16,L_F.U7,L_F.W10_1,L_F.W10_3,L_K07,
Rehabilitation	2	30		10	10		10		Credit with grade	Determining of the level and degree of dysfunctions, determining of indications and contraindications for physical therapy, physiotherapy and massage, stress tests, Rehabilitation in neurology, cardiology, pulmonology and musculoskeletal system.	L_A.U3,L_A.U4,L_A.U5,L_A.W2,L_B.U8,L_B.W33,L_D.U11,L_D.U14,L_D.U16,L_D.U4,L_D.U8,L_D.W1,L_D.W14,L_D.W15,L_D.W3,L_D.W4,L_D.W5,L_E.U1,L_E.U22,L_E.U23,L_E.U3,L_E.U4,L_E.W1,L_E.W11,L_E.W12,L_E.W13,L_E.W30,L_E.W31,L_G.W12,L_G.W5,L_K01,L_K03,L_K04,L_K06,L_K07,L_K08,
Surgery 1	3	55		10	23		22		Credit with grade	Surgery 1 is a continuation of Introduction to Surgery course. During the course students will focus on general surgery aspects. They will learn basics of the clinical thinking,	L_A.U3,L_A.U4,L_A.U5,L_A.W1,L_A.W2,L_A.W3,L_B.W1,L_B.W16,L_C.U11,L_C.W17,L_C.W19,L_C.W25,L_C.W31,L_C.W37,L_D.U11,L_D.U12,L_D.U14,L_D.U18,L_D.U3,L_D.U4,L_D.U6,L_D.U8,L_D.W15,L_D.W16,L_D.W8,L_E.U1,L_E.U12,L_E.U14,L_E.U16,L_E.U17,L_E.U18,L_E.U20,L_E.U24,L_E.U25,L_E.U28,L_E.U29_2,L_E.U3,L_E.U32,L_E.U35,L_E.U38,L_E.U7,L_E.W26,L_F.U1,L_F.U12,L_F.U2,L_F.U21,L_F.U3,L_F.U4,L_F.U5,L_F.U7,L_F.U9,L_F.W3,L_F.W4,L_F.W5,L_G.W12,L_G.W14,L_K01,L_K02,L_K03,L_K04,L_K05,L_K06,L_K07,L_K08,L_K09,
Vascular Surgery	2	30		20	5		5		Credit with grade	Information about diagnosis and treatment of vascular diseases (diseases of peripheral, carotid arteries, aortic aneurysms, venous diseases). Treatment options will be discussed, including conservative, surgical and endovascular treatment.	L_A.W2,L_K01,L_K07
Elective subjects	4	60							Credit		
Vocational Practical Training in: surgery-hospital (2 weeks), internal medicine-hospital (2 weeks)	4	120							Credit	Surgery trainingin include learning surgical skills Internal medicine training improving skills in physical examination. Performing basic medical procedures.	L_G.U6,L_F.U9,L_F.U8,L_F.U7,L_F.U6,L_F.U4,L_F.U3,L_F.U2,L_F.U11,L_F.U10,L_E.U7,L_E.U37,L_E.U36,L_E.U35,L_E.U32,L_E.U3,L_E.U26,L_E.U24,L_E.U17,L_D.U7,L_D.U6,L_D.U5,L_D.U4,L_D.U14,L_D.U13,L_D.U12,L_C.U15,L_C.U14,L_C.U10,L_A.U4,L_K09,L_K08,L_K07,L_K06,L_K05,L_K04,L_K03,L_E.U16,L_E.U15,L_E.U14,L_E.U13,L_E.U12,L_E.U1,L_A.W2,L_A.W3,L_B.W25,L_D.W4,L_D.W5,L_D.W8,L_F.W4,L_D.W15

exercises - classes in a remote form; in exceptional cases, with the rector's consent, in a traditional form requiring direct contact but maintaining the epidemiological safety

laboratories - traditional classes (requiring direct, physical contact)

practical training - traditional classes (requiring direct, physical contact)

In case of selected classes carried out traditionally, with the consent of the rector, the possibility of remote organization is allowed, due to epidemiological conditions.

Module / Subject	ECTS	Total number of hours	V year						Manner of obtaining credit	Course content	Symbols of learning outcomes
			Number of hours								
			lectures	seminars	exercise	laboratories	practical training	self-study			
Clinical Pharmacology 2	1	15		15					Credit with grade	The class program will contain a discussion of selected problems with treatment of the most common diseases and life threatening conditions.	L_B.U13,L_B.U14,L_C.U15,L_C.U17,L_C.U18,L_C.W37,L_C.W38,L_D.W20,L_E.U18,L_E.U31L_E.W10,L_E.W29,L_E.W40,
Clinical Transplantology	1	25		10	8			7	Credit with grade	Clinical transplantology presents contemporary achievements in solid organs, cornea and bone marrow transplantation.	L_C.W20L_C.W20,L_C.W21,L_C.W24,L_C.W38,L_D.W13,L_D.W15,L_F.W14,
Ethics and Deontology	1	24	12	12					Credit with grade	Presenting of the most important selected issues of medical ethics and bioethics related to clinical and research work of a physician.	L_D.U11,L_D.U12,L_D.U13,L_D.U14,L_D.U15,L_D.W13,L_D.W14,L_D.W15,L_G.W10,L_G.W12,L_G.W18,L_G.W6,L_G.W9,L_K01,L_K03,L_K04,L_K05,L_K06,L_K07,L_K08,L_K09,
Family Medicine 1	2	30		10	10			10	Credit with grade	The subject includes seminars, classes and practical classes concerning the most common diseases encountered in the family doctor's office.	L_B.W19,L_B.W29,L_B.W33,L_C.W20,L_C.W22,L_D.U1L_D.U10,L_D.U14,L_D.U2,L_D.U4,L_D.U7,L_D.U8,L_D.W12,L_D.W4,L_D.W7,L_D.W9,L_E.U12,L_E.U13,L_E.U14,L_E.U16,L_E.U17,L_E.U19,L_E.U20,L_E.U24,L_E.U27,L_E.U3,L_E.U35,L_E.U4,L_E.U6,L_E.W10,L_E.W13,L_E.W2,L_E.W20,L_E.W21,L_E.W22,L_E.W27,L_E.W33,L_E.W36,L_E.W4,L_E.W9,L_F.U10,L_F.U6,L_G.U2,L_G.W5,L_K01,L_K02,L_K03,L_K04,L_K06,L_K07,
Forensic Medicine	2	30		15	11		4		Exam	1. Death and post-mortem changes. 2. External body examination and estimation of the time of death. 3. Forensic autopsy. 4. Violent death. 5. Medicolegal opinions. 6. Infanticide, child abuse. 7. Identity. 8. Forensic toxicology. 9. Forensic genetics	L_C.W6,L_E.U15,L_E.W37,L_E.W4,L_G.U5,L_G.U6,L_G.U7,L_G.W14,L_G.W15,L_G.W16,L_G.W17L_G.W17,L_G.W19,L_G.W8,L_K02,
Gerontology and Geriatrics	2	30		20	5			5	Credit with grade	Comprehensive geriatric assessment, symptomatology and clinical course of most common diseases, psychogeriatrics, complications of hospitalisation in elderly age, Frailty syndrom and sarcopenia, pharmacology, falls	L_B.W28,L_B.W30,L_C.U10,L_C.U14,L_C.U15,L_C.W33,L_C.W35L_C.W37,L_C.W38,L_D.W3,L_E.U1,L_E.U12,L_E.U16,L_E.U17,L_E.U24,L_E.U3,L_E.U7,L_E.W10,L_E.W11,L_E.W12,L_E.W19,L_E.W32,L_E.W8,L_E.W9,L_K03,L_K04,L_K05,L_K07,
Gynaecology and Obstetrics 2	5	90		45	23			22	Credit with grade	Pathology of pregnancy. Maternal diseases during pregnancy,fetal and placenta abnormalities. Managment of pathology of gestation. Fertility and infertility. Gynecological diseases. Examination.	L_B.W26,L_C.U2,L_C.W6,L_D.U12,L_D.U4,L_D.U7,L_E.U1,L_E.W5,L_F.U15,L_F.U16,L_F.U17,L_F.U18,L_K01,L_K02,L_K03,L_K06,L_K07,L_K08,L_K09,
Infectious and Tropical Diseases	4	60	12	36	6			6	Exam	The course covers clinical presentation, epidemiology, etiology, therapy and prevention of general infectious, parasitic and tropical diseases, including post-exposure prophylaxis and vaccinations.	L_C.U10,L_C.U15,L_C.U7,L_C.U8,L_C.W12,L_C.W13,L_C.W14,L_C.W15,L_C.W16,L_C.W17,L_C.W18,L_C.W20,L_C.W32,L_C.W38,L_C.W39,L_C.W40,L_D.W20,L_E.U24,L_E.U26,L_E.U27,L_E.W1,L_E.W12,L_E.W13,L_E.W3_11,L_E.W3_2,L_E.W32,L_E.W33,L_E.W37,L_F.U22,L_G.U2,L_G.W12,L_G.W13,L_G.W3,

Internal Medicine-Allergology	2	30		10	10		10		Credit with grade	Diagnosis, therapy of allergy, immunotherapy, nicotine dependence, allergy to Hymenoptera, pulmonary and nasal function, asthma, anaphylaxis, allergic rhinitis and conjunctivitis, food and drug intolerance and allergy, angioedema and urticaria	L_C.W22,L_C.W28,L_C.W38,L_D.U2,L_D.U3,L_D.U4,L_D.U6,L_D.U8,L_E.U1,L_E.U13,L_E.U14,L_E.U16,L_E.U17,L_E.U3,L_K01,L_K02,L_K03,L_K04,L_K05,L_K06,L_K07,L_K08,L_K09,
Internal Medicine-Cardiology 2	2	30		10	10		10		Credit with grade	Knowledge of pathogenesis, symptoms and therapy in cardiology. Developed skills in history taking, physical examination in cardiac patients. Interpretation of basic investigations. Knowledge of current recommendations in cardiology treatment.	L_A.W3,L_B.U7,L_B.U8,L_B.W1,L_B.W19,L_B.W23,L_B.W29,L_B.W32,L_B.W33,L_C.U11,L_C.W28,L_C.W29,L_C.W32,L_C.W33,L_C.W34,L_C.W35,L_C.W36,L_C.W37,L_C.W38,L_D.U11,L_D.U14,L_D.U8,L_D.W1,L_D.W10,L_D.W15,L_D.W20,L_D.W8,L_E.U12,L_E.U13,L_E.U14,L_E.U16,L_E.U17,L_E.U18,L_E.U20,L_E.U24,L_E.U27,L_E.U3,L_E.U31,L_E.U32,L_E.U7,L_E.W1,L_E.W10,L_E.W11,L_E.W30,L_E.W31,L_E.W35,L_E.W37,L_E.W38,L_E.W40,L_E.W7_1,L_E.W9,L_F.W10_1,L_F.W10_2,L_F.W10_3,L_F.W14,L_F.W7,L_F.W8,L_G.W1,L_G.W2,L_G.W3,L_G.W4,L_G.W5,L_K01,
Internal Medicine-Endocrinology	2	30		10	10		10		Credit with grade	Course consist of latest presentations on aspects of clinical endocrinology and areas that have undergone most recent changes. Emphasis is on clinical endo, information about basic anatomy, histopathology and biochemistry is included.	L_A.U3,L_B.W26,L_B.W27,L_B.W28,L_B.W29,L_D.U1,L_D.U10,L_D.U11,L_D.U12,L_D.U14,L_D.U15,L_D.U16,L_D.U17,L_D.U18,L_D.U4,L_D.U5,L_D.U6,L_D.W10,L_D.W7,L_E.U12,L_E.U13,L_E.U14,L_E.U32,L_E.U7,L_E.W21,L_F.W9,L_G.U6,L_G.W12,L_K01,L_K02,L_K03,L_K04,L_K05,L_K06,L_K07,L_K09,
Internal Medicine-Haematology	2	30		10	10		10		Credit with grade	Content of the seminars provides informations concerning history taking and physical examination in patients with hematological diseases, interpretation of complete blood count, cover symptomatology, diagnostic criteria, therapeutic options.	L_C.U10,L_C.U3,L_D.U6,L_E.U29_1,L_E.U29_2,L_E.U3,L_E.W7_6,L_F.W10_1,L_F.W10_2,L_G.W13,L_K04,L_K06,L_K09,
Internal Medicine-Pneumology	2	30		10	10		10		Credit with grade	1. Clinical symptoms, diagnosis and treatment of the most common respiratory diseases2. Diagnostic methods used in lung disorders - spirometry, bronchoscopy, imaging techniques3. Aerosolotherapy 4. Oxygen therapy	L_A.U3,L_A.U4,L_A.W3,L_A.W4,L_B.U10,L_B.U11,L_B.W1,L_B.W2,L_B.W25,L_C.U10,L_C.U11,L_C.W13,L_C.W18,L_C.W27,L_C.W33,L_D.U1,L_D.U14,L_D.U18,L_D.U3,L_D.U7,L_D.U8,L_D.W1,L_D.W3,L_D.W4,L_D.W8,L_E.U16,L_E.U17,L_E.U24,L_E.U3,L_E.U32,L_E.W1,L_E.W24,L_E.W27,L_E.W32,L_E.W38,L_G.U6,L_G.W6,L_K01,L_K03,L_K04,L_K07,L_K09,
Internal Medicine-Rheumatology	2	30		20	5		5		Credit with grade	At the end of the course students will be able to differentiate the main rheumatological syndromes, generate short representation of clinical cases and perform physical examinations of the patient.	L_A.U5,L_B.U11,L_C.U10,L_C.W35,L_C.W36,L_C.W37,L_C.W38,L_C.W9,L_D.U12,L_D.U14,L_D.U15,L_D.U16,L_D.U17,L_D.U18,L_D.U3,L_D.U4,L_D.U5,L_D.U6,L_D.U7,L_D.U8,L_D.U9,L_D.W10,L_D.W12,L_D.W15,L_D.W5,L_E.U1,L_E.U3,L_E.W10,L_E.W12,L_E.W30,L_E.W31,L_E.W34,L_E.W37,L_E.W38,L_E.W8,L_E.W9,L_G.W18,

Internal Medicine-Toxicology and Emergency States in Internal Medicine	2	30		10	10		10		Credit with grade	The course provides insight into principles of toxicology and management of patients with acute conditions in internal medicine	L_A.W2,L_A.W3,L_B.U10,L_B.U11,L_B.U3,L_B.U7,L_B.W1,L_B.W10,L_B.W16,L_B.W2,L_B.W24,L_B.W26,L_B.W29,L_B.W3,L_B.W4,L_B.W5,L_B.W8,L_B.W9,L_C.U10,L_C.U11,L_C.U14,L_C.U17,L_C.U18,L_C.U19,L_C.W26,L_C.W28,L_C.W33,L_C.W34,L_C.W35,L_C.W36,L_C.W37,L_C.W38,L_C.W42,L_C.W43,L_C.W44,L_C.W45,L_D.U14,L_D.U15,L_D.U17,L_D.W15,L_D.W16,L_D.W20,L_D.W3,L_E.U1,L_E.U12,L_E.U13,L_E.U14,L_E.U15,L_E.U16,L_E.U17,L_E.U19,L_E.U20,L_E.U24,L_E.U28,L_E.U3,L_E.U32,L_E.U33,L_E.U34,L_E.U38,L_E.U7,L_E.W29,L_E.W38,L_E.W39,L_E.W40,L_F.U10,L_F.U11,L_F.W6,L_F.W7,L_G.U6,L_G.U7,L_G.W1,L_G.W12,L_G.W15,L_G.W19,L_K01,L_K02,L_K03,L_K04,L_K05,L_K06,L_K07,L_K08,L_K09,
Medical Jurisprudence	1	20	5	15					Credit with grade	Introduction for health status certification, legislation of the rules of assessing health and the rules of benefits for employee in his/her illness.	L_E.U38,L_E.W30,L_G.U3,L_G.U4,L_K07,L_K09
Medical Law	1	20	15	5					Credit with grade	Patient's rights. Biolaw. Medical malpractice. Medical evidence in litigation.	L_G.U3,L_G.U4,L_G.U6,L_G.W10,L_G.W11,L_G.W12,L_G.W18,L_G.W6,L_G.W7,L_G.W8,L_G.W9,L_K01,L_K03,L_K04,L_K07,L_K09,
Oncological Surgery	1	10		2	4		4		Credit with grade	Teaching in the field of the basics of diagnostics and treatment of the most common cancers of the digestive tract and breast diseases. Students have contact with out-patients and the operated patients.	L_A.W3,L_C.W19,L_C.W25,
Oncology	2	50		20	15		15		Exam	Cancer prevention and screening.Oncological patient diagnosis, treatment strategy, treatment side-effects management and follow-up of patients with cancer history.	L_B.W6,L_C.U3,L_D.U11,L_D.U2,L_D.W15,L_D.W20,L_E.W20,L_E.W23,L_E.W24,L_E.W25,L_E.W26,L_E.W29,L_K01,L_K03,L_K06,L_K07,L_K08,L_K09
Organization and Economics in Health Care	1	20	10	10					Credit with grade	Lecture introduction to the functioning of the healthcare system in its organization, financing, regulations and structural aspects. Healthcare structures, organization, management and financing - case studies	L_D.U11,L_E.W41,L_G.W7,L_K01,L_K08,
Orthopaedics and Traumatology	2	50		10	20		20		Exam	Common problems in orthopaedic surgery. Etiology, clinical and radiological diagnosis and treatment of musculo-skeletal diseases and injuries. Behaviour in the ward and in the operating theater.	L_A.U3,L_A.W2,L_A.W3,L_B.W16,L_B.W24,L_C.U11,L_C.W19,L_D.U12,L_D.U14,L_D.U15,L_D.U5,L_D.W15,L_D.W6,L_E.U1,L_E.U2,L_E.U22,L_E.U23,L_E.U3,L_E.U32,L_E.U36,L_E.U4,L_E.W1,L_E.W26,L_E.W30,L_E.W31,L_F.U2,L_F.U8,L_F.W2,L_F.W3,L_K01,L_K03,L_K05,L_K07,

Otolaryngology	3	60		30	15		15		Exam	Practical skills of otorhinolaryngological, audiological and otoneurological examination. Seminars contain main problems on head and neck diseases. During cadaver exercises cricothyroidotomy and tracheotomy is performed.	L_A.U3,L_A.U4,L_A.U5,L_A.W2,L_A.W3,L_C.U10,L_C.U11,L_C.U15,L_C.W12,L_C.W13,L_C.W14,L_C.W17,L_C.W18,L_C.W19,L_C.W25,L_C.W27,L_C.W31,L_C.W32,L_D.U1,L_D.U11,L_D.U14,L_D.U15,L_D.U16,L_D.U18,L_D.U3,L_D.U6,L_D.U8,L_D.W1,L_D.W12,L_D.W14,L_D.W15,L_D.W4,L_E.U1,L_E.U12,L_E.U13,L_E.U14,L_E.U2,L_E.U24,L_E.U28,L_E.U29_4,L_E.U29_6,L_E.U3,L_E.U32,L_E.U38,L_E.U4,L_E.U6,L_E.U7,L_E.W1,L_E.W14_1,L_E.W14_4,L_E.W23,L_E.W24,L_E.W26,L_E.W3_3,L_E.W3_9,L_E.W32,L_E.W37,L_E.W39,L_E.W6,L_E.W7_2,L_E.W7_3,L_F.U1,L_F.U10,L_F.U12,L_F.U2,L_F.U22,L_F.U25,L_F.U26,L_F.U3,L_F.U4,L_F.U9,L_F.W1_3,L_F.W10_1,L_F.W10_2,L_F.W12_1,L_F.W12_2,L_F.W12_3,L_F.W12_4,L_F.W12_5,L_F.W12_6,L_F.W13_1,L_F.W13_2,L_F.W13_3,L_F.W2,L_F.W3,L_F.W4,L_F.W5,L_F.W6,L_G.U2,L_G.W12,L_K01,L_K02,L_K03,L_K04,L_K05,L_K06,L_K07,L_K08,L_K09,
Palliative Medicine	2	30		10	10		10		Credit with grade	Knowledge and skills regarding: pain treatment and the most common complaints (dyspnoea, lymphoedema, bedsores) basic practical skills and communicating bad news and communication skills with a patient and his family.	L_A.W2,L_A.W3,L_C.U14,L_C.W33,L_C.W36,L_C.W37,L_C.W43,L_D.U1,L_D.U11,L_D.U14,L_D.U3,L_D.U4,L_D.U5,L_D.U6,L_D.U7,L_D.U8,L_D.W13,L_D.W14,L_D.W15,L_D.W3,L_D.W4,L_D.W5,L_E.U1,L_E.U13,L_E.U16,L_E.U18,L_E.U20,L_E.U21,L_E.U25,L_E.U3,L_E.U35,L_E.U37,L_E.U38,L_E.U7,L_F.U22,L_K03,L_K04,L_K05,L_K06,L_K07,
Pediatric Surgery	2	30		12	9		9		Exam	Epidemiology, embryology, pathology, diagnostic approach and treatment of congenital malformations of alimentary tract, genitourinary system, respiratory tract and central nervous system.	L_E.U12,L_E.U16,L_E.U2,L_E.U4,L_E.U7,L_E.W2,L_E.W3_3,L_E.W3_5,L_E.W3_6,L_E.W3_7,L_F.U2,L_F.U21,L_F.U22,L_F.U3,L_F.U4,L_F.U6,L_F.W1_1,L_F.W13_1,L_F.W2,L_K01,L_K02,L_K03,L_K04,L_K05,L_K06,L_K07,L_K09,
Pediatrics 2	4	90		15	38		37		Credit with grade	seminars - discussion of selected specialistic issues in pediatrics, differential diagnosis, treatment, clinical case analysis exercises - physical examination, additional tests interpretation, medical records	L_C.W28,L_D.W14,L_D.W15,L_D.W16,L_D.W8,L_E.U30_1,L_E.U30_2,L_E.U30_3,L_E.U30_4,L_E.U30_5,L_E.U30_6,L_E.U30_7,L_E.U30_8,L_E.U4,L_E.U7,L_E.U8,L_E.U9,L_E.W2,L_E.W25,L_E.W28,L_E.W29,L_E.W3_1,L_E.W3_2,L_E.W3_3,L_E.W3_4,L_E.W3_5,L_E.W3_6,L_E.W3_7,L_E.W3_8,L_E.W3_9,L_E.W35,L_E.W4,L_E.W6,L_K03,L_K04,L_K07,
Radiology 2	2	30		10	10		10		Exam	1.Revision of the knowledge of diagnostic-imaging techniques, including interventional radiology2. Analysis of radiological manifestation of common pathologies in various imaging modalities	L_A.U4,L_B.U2,L_B.W6,L_B.W8,L_D.U6,L_E.U16,L_F.U7,L_F.W10_1,L_F.W10_2,L_F.W10_3,L_K07,
Surgery 2	1	30		10	10		10		Credit with grade	Surgery 2 is a continuation of Surgery 1 course from IV th Year. During course students will focus on subspecialised types of General Surgery. They will improve clinical thinking in more holistic and complicated case analysis.	L_A.U3,L_A.U4,L_A.U5,L_A.W1,L_A.W2,L_A.W3,L_B.U11,L_C.U11,L_C.U17,L_C.W17,L_C.W19,L_C.W37,L_D.U11,L_D.U12,L_D.U14,L_D.U18,L_D.U3,L_D.U4,L_D.U6,L_D.U8,L_E.U1,L_E.U12,L_E.U14,L_E.U16,L_E.U18,L_E.U20,L_E.U24,L_E.U25,L_E.U28,L_E.U29_7,L_E.U3,L_E.U32,L_E.U35,L_E.U38,L_E.U7,L_E.W28,L_E.W29,L_E.W9,L_F.U1,L_F.U12,L_F.U2,L_F.U21,L_F.U3,L_F.U7,L_F.W14,L_F.W15,L_F.W3,L_F.W4,L_F.W5,L_G.W10,L_G.W12,L_G.W14,L_G.W18,L_K01,L_K02,L_K03,L_K04,L_K05,L_K06,L_K07,L_K08,L_K09,

Urology	1	20		15	3		2		Credit with grade	Taking a part in Department morning meeting and rounds, assistance in surgery procedures, assistance in patients diagnostic and therapeutic process, catheterization of urinary tract.	L_E.U29_7,L_E.U32,L_F.U23,L_F.U24,L_K01,L_K05,
Elective subjects	2	30							Credit		
Vocational Practical Training in: Intensive Care (2 weeks), Gynaecology and Obstetrics (2 weeks)	4	120							Credit	Acquiring practical skills in management of patients in intensive care, obstetrics and gynecology units.	L_B.U10,L_K01,L_K09,L_K03,L_F.U5,L_F.U17, L_F.U14,L_F.U11,L_E.U7,L_E.U1,L_A.U5,L_F.W8, L_F.W4,L_E.W29,L_C.W29,L_B.W26,L_K07,L_K04, L_F.U21,L_F.U15,L_F.U12,L_E.U8,L_E.U38,L_C.U11, L_G.W12,L_F.W5,L_E.W39,L_C.W32,L_C.W13, L_C.W12,L_B.W1,L_K08,L_K05,L_K02,L_F.U22, L_F.U16,L_F.U13,L_F.U10,L_E.U6,L_D.U4,L_A.U3, L_F.W7,L_F.W15,L_C.W34, L_C.W28, L_B.W2

exercises - classes in a remote form; in exceptional cases, with the rector's consent, in a traditional form requiring direct contact but maintaining the epidemiological safety

laboratories - traditional classes (requiring direct, physical contact)

practical training - traditional classes (requiring direct, physical contact)

In case of selected classes carried out traditionally, with the consent of the rector, the possibility of remote organization is allowed, due to epidemiological conditions.

Module / Subject	ECTS	Total number of hours	VI year						Manner of obtaining credit	Course content	Symbols of learning outcomes
			Number of hours								
			lectures	seminars	exercise	laboratories	practical training	self-study			
Emergency Medicine	4	60					60		Exam	Emergency Medicine.Life threatening conditions caused by trauma and medical issues. Advanced Life Support - adults and children.Advanced Trauma Life Suuport - adults and children.	L_C.W44L_D.U11,L_D.U13,L_D.U4,L_D.U7,L_D.W15,L_E.U1,L_E.U12,L_E.U14,L_E.U16,L_E.U2, L_E.U29_1,L_E.U29_2,L_E.U29_3,L_E.U29_4,L_E.U29_7,L_E.U29_8,L_E.U29_9,L_E.U3,L_E.U3 0_2,L_E.U30_3,L_E.U32,L_E.U36,L_E.U37,L_E.U4,L_E.U7,L_E.W14_2,L_E.W14_3,L_E.W14_9,L _E.W3_3,L_E.W38,L_E.W39,L_E.W6,L_E.W7_1,L_E.W7_2,L_E.W7_3,L_E.W7_4,L_E.W7_8,L_E. W7_9,L_F.U10,L_F.U11,L_F.U21,L_F.U22,L_F.U3,L_F.U4,L_F.U5,L_F.U8,L_F.U9,L_F.W1_4,L_F. W13_1,L_F.W13_3,L_F.W15,L_F.W6,L_F.W7,L_F.W8,L_G.W14,L_G.W15,L_G.W8,L_K01,L_K02,L_K03,L_K04,L_K08,
Family Medicine	4	60					60		Exam	Classes take place in the practice of a family doctor in the Tri-City. Classes are based on the analysis of selected and routine clinical cases encountered in the doctor's office.	L_D.U1L_D.U2,L_D.U5,L_E.U1,L_E.U12,L_E.U13,L_E.U16,L_E.U2,L_E.U20,L_E.U24,L_E.U27,L _E.U29_1,L_E.U29_2,L_E.U29_6,L_E.U29_7,L_E.U29_8,L_E.U29_9,L_E.U3,L_E.U32,L_E.U38,L_E U4,L_F.U6,L_G.U2,
Gynaecology and Obstetrics	4	60					60		Exam	Examination and management of obstetrical and gynecological patients.	L_B.W26L_B.W27,L_C.U2,L_D.U4,L_D.U7,L_E.U1,L_E.W5,L_F.U13,L_F.U14,L_F.U15,L_F.U16,L _F.U17,L_F.U18,L_K01,L_K02,L_K03,L_K04,L_K05,L_K06,L_K07,L_K08,L_K09,
Internal Medicine	16	240					240		Exam	Diagnostic process, differential diagnosis, laboratory and imaging studies, cooperation with other specialists, planning and organization of the therapeutic process	L_A.U1,L_A.U2,L_A.U3,L_A.U4,L_A.U5,L_A.W1,L_A.W2,L_A.W3,L_A.W4,L_A.W5,L_A.W6,L_B.U 1,L_B_10,L_B.U11,L_B.U12,L_B.U13,L_B.U14,L_B.U2,L_B.U3,L_B.U4,L_B.U5,L_B.U6,L_B.U7,L _B.U8,L_B.U9,L_B.W1,L_B.W10,L_B.W11,L_B.W12,L_B.W13,L_B.W14,L_B.W15,L_B.W16,L_B.W1 7,L_B.W18,L_B.W1,L_B.W2,L_B.W20,L_B.W21,L_B.W22,L_B.W23,L_B.W24,L_B.W25,L_B.W26,L _B.W27,L_B.W28,L_B.W29,L_B.W3,L_B.W30,L_B.W31,L_B.W32,L_B.W33,L_B.W34,L_B.W4,L_B. W5,L_B.W6,L_B.W7,L_B.W8,L_B.W9,L_C.U1,L_C.U10,L_C.U11,L_C.U12,L_C.U13,L_C.U14,L_C. U15,L_C.U16,L_C.U17,L_C.U18,L_C.U19,L_C.U2,L_C.U3,L_C.U4,L_C.U5,L_C.U6,L_C.U7,L_C.U8 ,L_C.U9,L_C.W1,L_C.W10,L_C.W11,L_C.W12,L_C.W13,L_C.W14,L_C.W15,L_C.W16,L_C.W17,L _C.W18,L_C.W19,L_C.W2,L_C.W20,L_C.W21,L_C.W22,L_C.W23,L_C.W24,L_C.W25,L_C.W26,L _C.W27,L_C.W28,L_C.W29,L_C.W3,L_C.W30,L_C.W31,L_C.W32,L_C.W33,L_C.W34,L_C.W35,L _C.W36,L_C.W37,L_C.W38,L_C.W39,L_C.W4,L_C.W40,L_C.W41,L_C.W42,L_C.W43,L_C.W44,L _C.W45,L_C.W5,L_C.W6,L_C.W7,L_C.W8,L_C.W9,L_D.U1,L_D.U10,L_D.U11,L_D.U12,L_D.U13,L _D.U14,L_D.U15,L_D.U16,L_D.U17,L_D.U18,L_D.U2,L_D.U3,L_D.U4,L_D.U5,L_D.U6,L_D.U7,L_D _U8,L_D.U9,L_D.W1,L_D.W10,L_D.W11,L_D.W12,L_D.W13,L_D.W14,L_D.W15,L_D.W16,L_D.W1 7,L_D.W18,L_D.W19,L_D.W2,L_D.W20,L_D.W3,L_D.W4,L_D.W5,L_D.W6,L_D.W7,L_D.W8,L_D.W 9,L_E.U1,L_E.U10,L_E.U11,L_E.U12,L_E.U13,L_E.U14,L_E.U15,L_E.U16,L_E.U17,L_E.U18,L_E. U19,L_E.U2,L_E.U20,L_E.U21,L_E.U22,L_E.U23,L_E.U24,L_E.U25,L_E.U26,L_E.U27,L_E.U28,L _E.U29_1,L_E.U29_2,L_E.U29_3,L_E.U29_4,L_E.U29_5,L_E.U29_6,L_E.U29_7,L_E.U29_8,L_E_U 29_9,L_E.U3,L_E.U30_1,L_E.U30_2,L_E.U30_3,L_E.U30_4,L_E.U30_5,L_E.U30_6,L_E.U30_7,L _E.U30_8,L_E.U31,L_E.U32,L_E.U33,L_E.U34,L_E.U35,L_E.U36,L_E.U37,L_E.U38,L_E.U4,L_E_U 5,L_E.U6,L_E.U7,L_E.U8,L_E.U9,L_E.W1,L_E.W10,L_E.W11,L_E.W12,L_E.W13,L_E.W14_1,L_E. W14_2,L_E.W14_3,L_E.W14_4,L_E.W14_5,L_E.W14_6,L_E.W14_7,L_E.W14_8,L_E.W14_9,L_E. W15,L_E.W16,L_E.W17,L_E.W18,L_E.W19,L_E.W2,L_E.W20,L_E.W21,L_E.W22,L_E.W23,L_E.W 24,L_E.W25,L_E.W26,L_E.W27,L_E.W28,L_E.W29,L_E.W3_1,L_E.W3_10,L_E.W3_11,L_E.W3_2, L_E.W3_3,L_E.W3_4,L_E.W3_5,L_E.W3_6,L_E.W3_7,L_E.W3_8,L_E.W3_9,L_E.W30,L_E.W31,L _E.W32,L_E.W33,L_E.W34,L_E.W35,L_E.W36,L_E.W37,L_E.W38,L_E.W39,L_E.W4,L_E.W40,L _E.W41,L_E.W5,L_E.W6,L_E.W7_1,L_E.W7_2,L_E.W7_3,L_E.W7_4,L_E.W7_5,L_E.W7_6,L_E.W7 _7,L_E.W7_8,L_E.W7_9,L_E.W8,L_E.W9,L_F.U1,L_F.U10,L_F.U11,L_F.U12,L_F.U13,L_F.U14,L _F.U15,L_F.U16,L_F.U17,L_F.U18,L_F.U19,L_F.U2,L_F.U20,L_F.U21,L_F.U22,L_F.U23,L_F.U24,L _F.U25,L_F.U26,L_F.U3,L_F.U4,L_F.U5,L_F.U6,L_F.U7,L_F.U8,L_F.U9,L_F.W1_1,L_F.W1_2,L_F. W1_3,L_F.W1_4,L_F.W10_1,L_F.W10_2,L_F.W10_3,L_F.W11_1,L_F.W11_2,L_F.W11_3,L_F.W11 _4,L_F.W11_5,L_F.W11_6,L_F.W11_7,L_F.W11_8,L_F.W11_9,L_F.W11_10,L_F.W11_11,L_F.W11_12,L_F.W11_13,L_F.W11_14,L_F.W11_15,L_F.W11_16,L_F.W11_17,L_F.W11_18,L_F.W11_19,L_F.W11_20,L_F.W11_21,L_F.W11_22,L_F.W11_23,L_F.W11_24,L_F.W11_25,L_F.W11_26,L_F.W11_27,L_F.W11_28,L_F.W11_29,L_F.W11_30,L_F.W11_31,L_F.W11_32,L_F.W11_33,L_F.W11_34,L_F.W11_35,L_F.W11_36,L_F.W11_37,L_F.W11_38,L_F.W11_39,L_F.W11_40,L_F.W11_41,L_F.W11_42,L_F.W11_43,L_F.W11_44,L_F.W11_45,L_F.W11_46,L_F.W11_47,L_F.W11_48,L_F.W11_49,L_F.W11_50,L_F.W11_51,L_F.W11_52,L_F.W11_53,L_F.W11_54,L_F.W11_55,L_F.W11_56,L_F.W11_57,L_F.W11_58,L_F.W11_59,L_F.W11_60,L_F.W11_61,L_F.W11_62,L_F.W11_63,L_F.W11_64,L_F.W11_65,L_F.W11_66,L_F.W11_67,L_F.W11_68,L_F.W11_69,L_F.W11_70,L_F.W11_71,L_F.W11_72,L_F.W11_73,L_F.W11_74,L_F.W11_75,L_F.W11_76,L_F.W11_77,L_F.W11_78,L_F.W11_79,L_F.W11_80,L_F.W11_81,L_F.W11_82,L_F.W11_83,L_F.W11_84,L_F.W11_85,L_F.W11_86,L_F.W11_87,L_F.W11_88,L_F.W11_89,L_F.W11_90,L_F.W11_91,L_F.W11_92,L_F.W11_93,L_F.W11_94,L_F.W11_95,L_F.W11_96,L_F.W11_97,L_F.W11_98,L_F.W11_99,L_F.W11_100,L_F.W11_101,L_F.W11_102,L_F.W11_103,L_F.W11_104,L_F.W11_105,L_F.W11_106,L_F.W11_107,L_F.W11_108,L_F.W11_109,L_F.W11_110,L_F.W11_111,L_F.W11_112,L_F.W11_113,L_F.W11_114,L_F.W11_115,L_F.W11_116,L_F.W11_117,L_F.W11_118,L_F.W11_119,L_F.W11_120,L_F.W11_121,L_F.W11_122,L_F.W11_123,L_F.W11_124,L_F.W11_125,L_F.W11_126,L_F.W11_127,L_F.W11_128,L_F.W11_129,L_F.W11_130,L_F.W11_131,L_F.W11_132,L_F.W11_133,L_F.W11_134,L_F.W11_135,L_F.W11_136,L_F.W11_137,L_F.W11_138,L_F.W11_139,L_F.W11_140,L_F.W11_141,L_F.W11_142,L_F.W11_143,L_F.W11_144,L_F.W11_145,L_F.W11_146,L_F.W11_147,L_F.W11_148,L_F.W11_149,L_F.W11_150,L_F.W11_151,L_F.W11_152,L_F.W11_153,L_F.W11_154,L_F.W11_155,L_F.W11_156,L_F.W11_157,L_F.W11_158,L_F.W11_159,L_F.W11_160,L_F.W11_161,L_F.W11_162,L_F.W11_163,L_F.W11_164,L_F.W11_165,L_F.W11_166,L_F.W11_167,L_F.W11_168,L_F.W11_16

Medical Simulations	2	30					30		Exam OSCE	Improving diagnostic and therapeutic skills using advanced medical simulators. Implementation of clinical scenarios and discussion of their compliance with medical standards	L_B.W25L_B.W25L_C.W19L_C.W28L_C.W33L_C.W39L_C.W40L_D.U11L_D.U16L_E.U14L_E.U16L_E.U24L_E.U29_1L_E.U29_2L_E.U29_3L_E.U29_4L_E.U29_5L_E.U29_6L_E.U29_7L_E.U29_8L_E.U29_9L_E.U3L_E.U32L_E.U37L_E.W39L_E.W40L_E.W7_1L_E.W7_2L_E.W7_3L_E.W7_4L_E.W7_5L_E.W7_6L_E.W7_7L_E.W7_8L_E.W7_9L_F.U2L_F.U22L_F.U4L_F.U5L_F.U7L_G.U6L_K01L_K02,
Medical speciality chosen by the student	12	180					180		Credit		
Pediatrics	8	120					120		Exam	practical application of previously acquired knowledge, skills in the diagnostic and therapeutic process in pediatrics, interpretation of laboratory test results, practical familiarization with diagnostic and therapeutic procedures	L_C.W19L_D.U11L_D.U12L_D.U14L_D.U4L_D.U5L_D.U8L_E.U12L_E.U16L_E.U28L_E.U29_1L_E.U29_2L_E.U29_3L_E.U29_4L_E.U29_5L_E.U29_6L_E.U29_7L_E.U29_8L_E.U29_9L_E.U30_7L_E.U30_8L_E.U32L_E.U4L_E.U7L_E.U8L_E.U9L_K01L_K03L_K04L_K07,
Psychiatry	4	60					60		Exam	Psychiatric examination. Mental state description. Diagnostic criteria for mental disorders according to ICD 10 and DSM 5.. Side effects of medications.	L_D.U10L_D.U16L_D.W10L_D.W11L_D.W16L_D.W18L_E.U13L_E.U15L_E.U17L_E.U19L_E.U5L_E.W15L_E.W16L_E.W17L_E.W18L_E.W19L_K01L_K02L_K03L_K04L_K05L_K06L_K07L_K09,
Surgery	8	120					120		Exam	Surgery on the 6th year is a culmination of Surgery course. During it students will use all their skills for independent medical work.	L_A.W1L_A.W2L_A.W3L_C.W17L_C.W19L_C.W37L_D.U11L_D.U12L_D.U14L_D.U16L_D.U18L_D.U3L_D.U4L_D.U6L_D.U8L_E.U1L_E.U12L_E.U14L_E.U16L_E.U18L_E.U20L_E.U24L_E.U25L_E.U28L_E.U29_1L_E.U29_2L_E.U29_7L_E.U29_9L_E.U3L_E.U31L_E.U32L_E.U35L_E.U38L_E.U7L_F.U1L_F.U12L_F.U2L_F.U21L_F.W3L_F.W4L_F.W5L_G.W12L_G.W14L_K01L_K02L_K03L_K04L_K05L_K06L_K07L_K08L_K09,

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