CONTENT

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: 1. KAIM/AL-GM/18	**Course name:** Algesiology
Course type, scope and the method: **Course type:** Lecture / Practice **Recommended course-load (hours):** **Per week:** 0 / 1 **Per study period:** 0 / 14 **Course method:** present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course: 9.	
Course level: I.II.	
Prerequisities: UFR/PM-GM1/19,ChK/S-GM1/16	
Conditions for course completion: 1. 100% participation on the practical exercises 2. Test - minimum percentage of 60%.	
Learning outcomes: Basic knowledge about the treatment of acute postoperative and post-traumatic pain, methods of obstetric analgesia. Basic knowledge about methods of the treatment of chronic cancer and non-cancer pain.	
Brief outline of the course: History of pain therapy Pain - definition, pathophysiology, psychological aspects of pain, classification Therapy of pain – multidisciplinary approach, rational pharmacotherapy of acute and chronic pain, regional anaesthetic technics - their role in pain therapy Opioids in the pain treatment – good clinical practice Pain in children, pain in geriatric patients Chronic postsurgical pain Labor analgesia Cancer pain and paliative care Chronic non-cancer pain (low back pain, myofascial pain, neuropatic pain states...) Invasive technics in the treatment of low back pain Interventional pain management – diagnostic procedures Interventional pain management – therapeutic procedures	
Recommended literature: 1. Adams A. P., Cashman J. N.: Anaesthesia, Analgesia and Intensive care, 1991 2. www.postoppain.org 3. http://www.iasp-pain.org	
Course language:	
Notes:	

Course assessment
Total number of assessed students: 33

A	B	C	D	E	FX
69.7	30.3	0.0	0.0	0.0	0.0

Provides: MUDr. Jana Šimonová, PhD., MPH

Date of last modification: 20.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: 1. KAIM/AIM-GM/20	**Course name:** Anaesthesiology and Intensive Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: IK/IM-GM3/17,NLK/NL-GM1/19,UFR/PM-GM1/19

Conditions for course completion:
1. 100% participation on the practical exercises
2. Practical examination of cardiopulmonary resuscitation - that at least the 75% criteria
3. Test - minimum percentage of 60%.
4. Oral exam

Learning outcomes:
General Principles of General Anaesthesia and Regional Anaesthesia, perioperative patient management
General Principles of Care about Critically ill Patients
CPR-Basic life support

Brief outline of the course:
Introduction to Anaesthesiology & Resuscitation. General preoperative preparation. Monitoring in Anaesthesiology & ICU. General anaesthesia. Regional anaesthesia. Acute and chronic pain management. Respiratory failure. Basic of Artificial ventilation. Enteral and parenteral nutrition. Shock. Multiorgan failure. General and specific treatment of intoxications. Life support and adwanced life support.

Recommended literature:
1. Critical Care Medicine at a Glance, 3rd Edition Autor: Richard Leach 2014
2. Anaesthesia at a Glance by Julian Stone, William Fawcett 2014,,
3. C.Spoors, K.Kiff: Training in anaesthesia, 2010

Course language:
English language

Notes:

Course assessment
Total number of assessed students: 1176

A	B	C	D	E	FX
26.19	31.04	20.32	10.2	10.8	1.45

Provides: doc. MUDr. Jozef Firment, PhD., MUDr. Vladimír Hudák, PhD., MUDr. Monika Grochová, PhD., MUDr. Judita Capková, PhD.
Date of last modification: 20.08.2021
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UA/A-GM1/14	**Course name:** Anatomy 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 3 / 3 **Per study period:** 42 / 42
Course method: present

Number of ECTS credits: 7

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:
100% presence in all practical lessons with opportunity to have maximum three absences which must be compensated. 100% presence in 2 theoretical and 2 practical tests with the possibility to absolve retake test in the exam period from the curriculum of the all semester. The achievement minimum 72 points earned by the sum of points from two theoretical and two practical tests.

Learning outcomes:
The aim of this subject is to use anatomical nomenclature, to know the structure of upper and lower limbs, bones, their joints, muscles, vessels and nerves. Study of anatomical structures location in individual regions of upper and lower limbs in mutual topographical relationships with the ability to apply it in practical medicine. Knowledge gained from the study of both systemic and regional anatomy of upper and lower limbs should be used in application from the view of functional anatomy.

Brief outline of the course:
Ethical principles in teaching of anatomy, introduction to anatomy. Knowledge of anatomical nomenclature and its using during the study of anatomy and also in practical medicine. Become familiar with general knowledge of bones (osteology), joints (syndesmology), muscles (myology) and vessels. Study of the skeleton, joints and muscles of upper and lower limbs. Study of the blood and lymphatic systems and upper and lower limbs innervation. Topographical dissection of individual regions of upper and lower limbs. Dissection and study of superficial and deep structures in individual regions of limbs, with emphasis on their practical application.

Recommended literature:
Platzer W.: Color Atlas of Human Anatomy, Vol. 1. Locomotor System, Thieme, 2009
Fritsch H., Kuehnel W.: Color Atlas of Human Anatomy, Vol. 2. Internal Organs, Thieme, 2008
Kahle W., Frotscher M.: Color Atlas of Human Anatomy, Vol. 3. Nervous system and sensory organs, Thieme, 2003
Waschke J., Bocker T.M., Paulsen F.: Sobotta Anatomy Textbook: 1st edition 2019
Netter F.H.: Atlas of Human Anatomy, Elsevier, 7th edition, 2019
Paulsen F, Waschke J.: Sobotta Atlas of Human Anatomy. Vol. 1. Musculoskeletal System, Elsevier, 2013
Paulsen F, Waschke J.: Sobotta Atlas of Human Anatomy. Vol. 2. Internal Organs, Elsevier, 2013

Paulsen F, Waschke J.: Sobotta Atlas of Human Anatomy. Vol. 3. Head, Neck and Neuroanatomy, Elsevier, 2013
Rohen J.W., Yokochi C., Lütjen-Drecoll E.: Color Atlas of Anatomy. A photographic study of the human body. Wolters Kluwer, Lippincott Wiliams & Wilkins, 2006

Course language:

Notes:

Course assessment
Total number of assessed students: 3173

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
42.61	1.36	3.18	6.78	8.41	25.15	12.51

Provides: doc. MUDr. Ingrid Hodorová, PhD., doc. MVDr. Jozef Mihalik, CSc., prof. MVDr. Silvia Rybárová, PhD., MUDr. Janka Vecanová, PhD., Andriana Pavliuk-Karachevtseva, doc. MUDr. Dalibor Kolesár, PhD., MVDr. Slávka Flešárová, PhD., MUDr. Mária Kačmárová, MUDr. Marko Vrzgula

Date of last modification: 29.09.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UA/A-GM2/14	**Course name:** Anatomy 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 3 / 3 **Per study period:** 42 / 42
Course method: present

Number of ECTS credits: 9

Recommended semester/trimester of the course: 2.

Course level: I.II.

Prerequisities:

Conditions for course completion:
100% presence at all practical lessons with opportunity to have maximum three absences which must be compensated. 100% presence at 2 theoretical and 2 practical tests with the possibility to absolve one retake test during the exam period from the curriculum of the whole semester. 75% presence at lectures. The achievement 72 points at least, earned by the sum of points from two theoretical and two practical tests.

Learning outcomes:
Study of structures of the thoracic wall, abdomen and pelvis. Study of the anatomical structures of these areas in mutual relationships and the study of individual organs in the thoracic, abdominal and pelvic cavities located. To know the mutual regional relationships of individual anatomical structures, projection and skeletotopy of the organs located in the thorax, abdomen and pelvis. The acquired knowledge should be used in terms of spatial arrangement in the individual parts of the body and usable also in terms of functional anatomy in practical medicine.

Brief outline of the course:
Study of structures of the thoracic wall, organs located in the thoracic cavity, their projection on the thoracic wall. Topographical dissection of individual parts of mediastinum. Study of the vertebral column, abdominal wall and pelvis. Study of abdominal and pelvic organs, their projection, topography and skeletotopy. Abdominal wall dissection, study of weakest abdominal and pelvic walls spots (possibility of hernia occurrence).

Recommended literature:
Odporúčaná literatúra:
Platzer W.: Color Atlas of Human Anatomy, Vol. 1. Locomotor System, Thieme, 2009
Fritsch H., Kuehnel W.: Color Atlas of Human Anatomy, Vol. 2. Internal Organs, Thieme, 2008
Kahle W., Frotscher M.: Color Atlas of Human Anatomy, Vol. 3. Nervous system and sensory organs, Thieme, 2003
Netter F.H.: Atlas of Human Anatomy, Elsevier, 2014
Paulsen F, Waschke J.: Sobotta Atlas of Human Anatomy. Vol. 1. Musculoskeletal System, Elsevier, 2013
Paulsen F, Waschke J.: Sobotta Atlas of Human Anatomy. Vol. 2. Internal Organs, Elsevier, 2013

Paulsen F, Waschke J.: Sobotta Atlas of Human Anatomy. Vol. 3. Head, Neck and Neuroanatomy, Elsevier, 2013
Rohen J.W., Yokochi C., Lütjen-Drecoll E.: Color Atlas of Anatomy. A photographic study of the human body. Wolters Kluwer, Lippincott Wiliams & Wilkins, 2006

Course language:

Notes:

Course assessment
Total number of assessed students: 3068

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
41.66	0.65	2.22	6.78	10.33	24.45	13.92

Provides: doc. MUDr. Ingrid Hodorová, PhD., prof. MVDr. Silvia Rybárová, PhD., doc. MVDr. Jozef Mihalik, CSc., doc. MVDr. Květuše Lovásová, PhD., doc. MUDr. Adriana Boleková, PhD., MUDr. Janka Vecanová, PhD., doc. MUDr. Dalibor Kolesár, PhD., MVDr. Natália Hvizdošová, PhD., Andriana Pavliuk-Karachevtseva, MVDr. Slávka Flešárová, PhD., MUDr. Marko Vrzgula, MUDr. Mária Kačmárová

Date of last modification: 11.02.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UA/A-GM3/17	**Course name:** Anatomy 3

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 3 / 3 **Per study period:** 42 / 42
Course method: present

Number of ECTS credits: 8

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities: UA/A-GM2/14,UA/A-GM1/14

Conditions for course completion:
100% presence in all practical lessons with opportunity to have maximum three absences which must be compensated. 100% presence in 2 theoretical and 2 practical tests and achievement 72 points, at least. In case, if student does not achieve 72 points, at least the only one (1) retake test will be during examination period from the curriculum of all winter semester (anatomy 3). Final exam consists of: 1. Practical part – anatomical pictures, student has to achieve 20 points from 30 at least, to continue to the next, 2. Theoretical part of the exam - written test, which consists of 100 questions. Evaluation of written test in points: A = 100 - 93, B = 92 - 85, C = 84 - 77, D = 76 - 69, E = 68 - 60, Fx = 59 and less.

Learning outcomes:
Study of anatomical structures of the head and neck in mutual topographical relationships. detailed study of skull, muscles and fascias of head and neck. Become familiar with arterial blodd supply, venous and lymphatic drainage of head and neck. Detailed study of 12 paires of cranial nerves, their topography, branches and function. Also become familiar with another nerves of the head and neck (cervical plexus, sympathetic trunk). Students have to know all regions of the head and neck, with structures and their relationships. Understanding of individual parts of the CNS, study of external and internal features of the CNS, the CNS function as a control center for all systems of human body. Acquiring knowledge about the blood supply and venous drainage of the brain. Knowledge to apply also in terms of functional neuroanatomy to aquire an overall view of the human body and interrelationships between various systems.

Brief outline of the course:
Skull – neurocranium and splanchnocranium. Muscles of the head and neck. Blood supply, venous and lymphatic grainage of the head and neck. Cranial nerves, innervation and topography of the head and neck. CNS: spinal cord, brain stem, cerebellum, diencephalon. Functional regions of telencephalon, limbic system, basal ganglia and their connections, nerve pathways. Overview of the human body from anatomical and functional points of view. Ear and Eye.

Recommended literature:
Platzer W.: Color Atlas of Human Anatomy, Vol. 1. Locomotor System, Thieme, 2009
Fritsch H., Kuehnel W.: Color Atlas of Human Anatomy, Vol. 2. Internal Organs, Thieme, 2008

Kahle W., Frotscher M.: Color Atlas of Human Anatomy, Vol. 3. Nervous system and sensory organs, Thieme, 2003
Crossman A.R., Neary D. Neuroanatomy. An illustrated collor text. Elsevier, 2010
Waschke J., Bocker T.M., Paulsen F.: Sobotta Anatomy Textbook: 1st edition 2019
Netter F.H.: Atlas of Human Anatomy, Elsevier, 7th edition, 2019
Kluchova, D. Neuroanatomy. Handouts from the lectures. UKošice, 2009
Lovasova K., Kluchova D. Topographical anatomy hardly accessible and clinically significant areas of head. Typopress, Košice, 2010
Netter F.H.: Atlas of Human Anatomy, Elsevier, 2014
Paulsen F, Waschke J.: Sobotta Atlas of Human Anatomy. Vol. 1. Musculoskeletal System, Elsevier, 2013
Paulsen F, Waschke J.: Sobotta Atlas of Human Anatomy. Vol. 2. Internal Organs, Elsevier, 2013
Paulsen F, Waschke J.: Sobotta Atlas of Human Anatomy. Vol. 3. Head, Neck and Neuroanatomy, Elsevier, 2013
Rohen J.W., Yokochi C., Lütjen-Drecoll E.: Color Atlas of Anatomy. A photographic study of the human body. Wolters Kluwer, Lippincott Wiliams & Wilkins, 2006

Course language:

Notes:

Course assessment
Total number of assessed students: 2430

A	B	C	D	E	FX
3.66	5.72	13.09	17.98	39.96	19.59

Provides: doc. MUDr. Ingrid Hodorová, PhD., doc. MVDr. Jozef Mihalik, CSc., prof. MVDr. Silvia Rybárová, PhD., doc. MVDr. Květuše Lovásová, PhD., MUDr. Janka Vecanová, PhD., doc. MUDr. Dalibor Kolesár, PhD., doc. MUDr. Adriana Boleková, PhD., Andriana Pavliuk-Karachevtseva, MVDr. Natália Hvizdošová, PhD.

Date of last modification: 29.09.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UA/ AD-GM1/14	**Course name:** Anatomy Dissection 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 2 **Per study period:** 0 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 5.

Course level: I.II.

Prerequisities: UA/A-GM3/17

Conditions for course completion:
Student has to prepare at least two anatomical specimens and to present it to teacher and younger students. Credits will not be awarded to a student who misses more than 6 hours of seminars and will not complete his work on specimens.

Learning outcomes:
Students have the opportunity to deepen their knowledge of anatomy by performing anatomical dissection under the supervision of the teacher and preparing material for teaching medical students in the lower grades of medical school. Students improve their practical skill to work with tweezers and a scalpel, which will be helpful to them in their own medical practice.

Brief outline of the course:
Dissection of subcutaneous structures on the palmar and dorsal side of upper limb, dissection of axillary fossa, dissection of subfascial layer in anterior region of arm and forearm, cubital fossa, anterior region of wrist, palm of hand, scapular region, posterior region of arm and forearm, posterior region of wrist and dorsum of hand.

Recommended literature:
Rohen, Yokochi: Color Atlas of Anatomy, Lippincott Williams & Wilkins, 2011
Netter F. H.: Atlas of Human Anatomy.

Course language:
english

Notes:
Total number of assessed students: 18

Course assessment
Total number of assessed students: 102

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
31.37	57.84	0.0	0.0	0.0	0.0	10.78

Provides: MUDr. Janka Vecanová, PhD., MVDr. Natália Hvizdošová, PhD.

Date of last modification: 29.09.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UA/ AD-GM2/14	**Course name:** Anatomy Dissection 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 2 **Per study period:** 0 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 6.

Course level: I.II.

Prerequisities: UA/A-GM3/17

Conditions for course completion:
During semester, students help to teacher with prosection of the thorax and abdomen. Results of the prosection are demonstrated to the other students. Credits will not be awarded to a student who misses more than 6 hours of practical exercises.

Learning outcomes:
Anatomical dissection is carried out under the supervision of teacher. Students prepare cadaveric material for teaching of medical students. Students improve their knowledge of anatomy of the trunk and abdomen. Participants can develop manual dexterity skills

Brief outline of the course:
Dissection of subcutaneous structures of the anterior chest wall, dissection of intercostal spaces, opening of thoracic cavity, dissection of upper mediastinum, taking off lungs, heart and pericardium, dissection of arteries and veins of heart, dissection of hert chambers, dissection of posterior mediastinum. Dissection of subcutaneous structures of abdominal wall, abdominal muscles, inguinal canal, opening of abdomen, dissection branches of abdominal aorta.

Recommended literature:
Rohen, Yokochi: Color Atlas of Anatomy, Lippincott Williams & Wilkins, 2011
Netter F. H.: Atlas of Human Anatomy.

Course language:
English

Notes:
The subject is provided only in the summer semester, capacity of the subject is limited to 10 students, in case of higher interest students will be selected.

Course assessment
Total number of assessed students: 106

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
23.58	56.6	0.0	0.0	0.0	0.0	19.81

Provides: MUDr. Janka Vecanová, PhD., prof. MVDr. Silvia Rybárová, PhD., doc. MUDr. Ingrid Hodorová, PhD., MVDr. Natália Hvizdošová, PhD.
Date of last modification: 11.02.2020
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UHE/ FE-GM/18	**Course name:** Basic Embryology

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 2 **Per study period:** 0 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Presentation of seminar project evaluated: A-E

Learning outcomes:
Basic Embryology is a medical subject focused on developmental processes in the human body from fertilization, embryonic development to fetal period under physioplogical and pathological conditions. Students will use acquired knowledge of developmental processes and fundamentals of organ development in preclinical and clinical subjects.

Brief outline of the course:
Fertilization, blastogenesis, implantation, development of placenta and fetal membranes.
Primitive embryonic organs development: notochord, somites, neural tube, nephrotomes, folding of embryo, primitive gut, early development of cardiovascular system. Development of systems: cardiovascular and nerve systems, urogenital system, respiratory and digestive systems, head development, sensory organs development.

Recommended literature:
K.L. Moore, T.V.N. Persaud, M.G. Torchia: Before we are born. Essentials of Embryology and Birth Deffects. Elsevier.
Thomas W. Sadler: Langman´s Medical Embryology. Wolters Kluwer Health.

Course language:

Notes:

Course assessment
Total number of assessed students: 31

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	22.58	22.58	29.03	12.9	3.23	9.68

Provides: doc. MVDr. Iveta Domoráková, PhD., prof. MUDr. Eva Mechírová, CSc., doc. MVDr. Štefan Tóth, PhD., doc. MVDr. Jarmila Veselá, CSc.

Date of last modification: 25.06.2018

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: USBM/ BHM-GM/16	**Course name:** Behavioral Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 257

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	10.12	17.51	21.4	14.4	9.73	26.85

Provides: Mgr. Iveta Rajničová Nagyová, PhD., MUDr. Zuzana Katreniaková, PhD., Mgr. Pavol Mikula, PhD., Mgr. Vladimíra Timková, PhD., MUDr. Miriam Polanová, PhD., MPH, MUDr. Dagmar Breznoščáková, Ph.D.

Date of last modification: 21.03.2019

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULBL/ B-GM1/09	**Course name:** Biology 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 4

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:
active presence in all practical lessons
each test assessment: minimum of 60%

Learning outcomes:
To introduce the basic concepts of cell biology and molecular biology, including cell structure, biomacromolecules, cell cycle, cell reproduction, gene exprression and cell communications. To give students a thorough grounding in the theoretical and practical foundations of molecular biology and cytology. Students have acquired an understanding of the major concepts in cell and molecular biology and have obtained basic information related to cytogenetics in clinical practice.

Brief outline of the course:
Biomacromolecules – the fundamental components of biological macromolecules, common characteristics, the structure and function of saccharides, lipids, proteins and nucleic acids. Cell structure – prokaryotic and eukaryotic cells, cell organelles, their structure and function. General characteristic of biomembranes, molecular structure of biomembranes; movement of molecules through the membrane. The structural organization of genome - organization of DNA in genomes, the basic principles of human cytogenetics. Replication of DNA. Cell cycle – phases, control of cell cycle, mitosis, meiosis, spermatogenesis, oogenesis. Cell signalling. Gene expression – gene structure and function, transcription, post-transcriptional RNA processing, translation, synthesis of proteins, posttranslation modifications, regulation of gene expression. The basic principles of epigenetics. Cell differentiation, cell ageing and cell death. Genomics and medicine.

Recommended literature:
Židzik, J. et al.: Medical Biology and Genetics, UPJŠ, Košice, 2009
Mičková, H.: Biology: Practical Lessons, NMP-LF UPJŠ, Košice, 1997
Nussbaum, R. L. et al.: Thompson & Thompson Genetics in Medicine, W. B. Saunders Comp., Philadelphia 2001
Darnell, J. et al.: Molecular Cell Biology, Scientific American Books, New York, 1990

Course language:

Notes:

Course assessment
Total number of assessed students: 3139

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
43.07	1.18	3.95	8.47	15.48	17.43	10.42

Provides: prof. RNDr. Ján Šalagovič, PhD., RNDr. Helena Mičková, PhD., RNDr. Jozef Židzik, PhD., RNDr. Viera Habalová, PhD., RNDr. Lucia Klimčáková, PhD., doc. RNDr. Peter Solár, PhD., RNDr. Martina Šemeláková, PhD., RNDr. Eva Slabá, PhD.

Date of last modification: 10.09.2018

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULBL/ B-GM2/12	**Course name:** Biology 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 3 **Per study period:** 28 / 42
Course method: present

Number of ECTS credits: 7

Recommended semester/trimester of the course: 2.

Course level: I.II.

Prerequisities: ULBL/B-GM1/09

Conditions for course completion:
All practical lessons (100%) are obligatory for all students.
Assessment of the student´s learning achievements is carried out as a combination of continuous monitoring of the study during the teaching part of the semester (40%) with the final examination for the period of the semester concerned (60%). Prerequisite for the final examination (to register for the final examination) is the acquirement of 20 points minimum from continuous assessment during the semester.

Learning outcomes:
To introduce the basic concepts of general biology and human genetics, including mutations and their role in pathogenesis in human diseases, Mendelian genetics, quantitative and population genetics. To give students a thorough grounding in the theoretical and practical foundations of basic genetics. Students have acquired an understanding of the major concepts in human and molecular genetics and have obtainined basic information related to genetic and molecular biology methods in clinical practice.

Brief outline of the course:
Mutations I. - classification of mutations, mechanisms of mutagenesis, gene (point) mutations, structural and numerical chromosome mutations. Mendelian genetics - historical overview, general characteristics, Mendel´s laws of inheritance. Quantitative genetics - polygenic inheritance, heritability, multifactorial diseases. Gene linkage. Heredity and sex. Genetics in pathogenesis of human diseases. Inheritance of blood group systems I. - ABO, Rh, MNss, Lewis, ... HLA system. Population genetics - Hardy-Weinberg law, population equilibrium, panmixis, inbreeding, genetic drift, eugenics, euphenics. Genealogy and genetic counselling. Genetics of cancer. Molecular biology methods in human genetics and clinical practice. Ethical issues in human genetics.

Recommended literature:
Židzik, J. et al.: Medical Biology and Genetics, UPJŠ, Košice, 2009
Mičková, H.: Biology: Practical Lessons, NMP-LF UPJŠ, Košice, 1997
Nussbaum, R. L. et al.: Thompson & Thompson Genetics in Medicine, W. B. Saunders Comp., Philadelphia 2001
Darnell, J. et al. : Molecular Cell Biology, Scientific American Books, New York, 1990

Course language:

Notes:

Course assessment
Total number of assessed students: 2905

A	B	C	D	E	FX
9.09	12.32	19.48	20.41	27.37	11.33

Provides: prof. RNDr. Ján Šalagovič, PhD., RNDr. Helena Mičková, PhD., RNDr. Lucia Klimčáková, PhD., RNDr. Jozef Židzik, PhD., RNDr. Viera Habalová, PhD., doc. RNDr. Peter Solár, PhD., RNDr. Martina Šemeláková, PhD., RNDr. Eva Slabá, PhD.

Date of last modification: 31.03.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ULCHBKB/BCHM-GM/14	**Course name:** Bioorganic Chemistry in Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 2.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 266

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
29.7	4.51	5.26	14.29	7.14	6.39	32.71

Provides: doc. RNDr. Vladimíra Tomečková, PhD.

Date of last modification: 23.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULI/B-GM/09	**Course name:** Biostatistics

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 2 **Per study period:** 0 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 4., 6., 8., 10.

Course level: I.II.

Prerequisities: ULI/MInf-GM/09

Conditions for course completion:
1. 100% and active attendance.
2. Min. 60% from each test during the term.
3. Elaboration of all given classworks.

Learning outcomes:

Brief outline of the course:

Recommended literature:
1. Dale E. Mattson, Ph.D., Statistics, Difficult concepts, understandable explanations, Bolchay - Carducci Publishers, 1999.
2. Douglas G. Altman, Practical Statistics for Medical Research, CHAPMAN @ HALL, London, 1994.
3. Notes from exercises.

Course language:
english

Notes:

Course assessment
Total number of assessed students: 173

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
25.43	2.31	7.51	13.29	17.92	8.09	25.43

Provides: doc. Ing. Jaroslav Majerník, PhD.

Date of last modification: 11.02.2016

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KVL Šaca/CGM-GM/18	**Course name:** Clerkship - General Medicine

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 40s
Course method: present

Number of ECTS credits: 1

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: KVL Šaca/GM-GM/15,Dek. LF UPJŠ/SL-GM4/15

Conditions for course completion:
Completion of General medicine course

Learning outcomes:
Familiarize students with the operation, organization and administration outpatient facility of general practitioner. Teach students practical knowledge and skills in examinbation and treatment of patients at clinic of general practitioner. Control the ethical-legal principles of healthcare provision. Demonstrate the ability to communicate effectively wth patients at the clinic . Handle keeping the medical records in written and electronical form. The student should learn to apply the examination and treatment procedures on medicine based on evidence and correct clinical practice.The student should be competent to execute detailed withdraw of medical history, handle physical examination, make a diagnosis and consider differencial diagnosis options. Followed by the treatment (by the nature of diagnosis definitive, primary, acute in situations that require follow-up diagnosis and treatment in specialized facilities ambulatory or hospital type).

Brief outline of the course:
Students will fully patricipate in work at the clinic under the guidance of the teacher and after acquiring the theoretical knowledge of general medicine they should master the following processes :
1. Preventive care, particularly in terms of periodic medical examinations which consider all factors that affect the health of the patient (age, living and working conditions, eating habits , etc.)
2. Diagnostic and therapeutic care in patient affected by acute or chronic diseases
3. Available diagnostic methods – in hematology, biochemistry, microbiology and manage different sampling of biological material in relation with particular disease
4. Assesment of the health status and subsequent managment either in his discretion or request for a consultation or hospitalization
5. Assesment activity – especially with reagrds to medical ability to carried out work and generally in relation to sickness absence in each category (defined by working Health Service)
6. Contact with professional and social institutions with which the practitioner for adults necessarily cooperates (eg. Public health, ADOS, Health insurance companies, Health Unions)
7. Technically master application of different types of medication (especially subcutaneous, intramuscular, intravenous)

8. Manage all acute conditions (eg. cardiovascular, anaphylactic, psychiatric, basics of CPR)
9. Keep the recorder during the clerskship

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1162

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
99.4	0.0	0.0	0.0	0.0	0.0	0.6

Provides: prof. MUDr. PhDr. Peter Kalanin, PhD.

Date of last modification: 16.03.2018

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: G-PK/CGO-GM/18	**Course name:** Clerkship - Gynaecology and Obstetrics

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 80s
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: G-PK/GO-GM2/09,Dek. LF UPJŠ/SL-GM4/15

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1134

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
99.91	0.0	0.0	0.0	0.0	0.0	0.09

Provides: MUDr. Katarína Balasičová, PhD., doc. MUDr. Ján Varga, PhD., MUDr. Rastislav Dudič, PhD., MUDr. Viera Dudičová, PhD., MUDr. Dušan Frič, PhD., MUDr. Vladimír Kraus, MUDr. Barbora Kuncová, MUDr. Alena Nagyová, MUDr. Peter Suchánek, PhD. MBA, MUDr. Erika Szabóová, MBA, MUDr. Dávid Tóth, doc. MUDr. Peter Urdzík, PhD., MPH, mim. prof., doc. MUDr. Erik Dosedla, Ph.D., MBA, MUDr. Ján Richnavský, PhD., MUDr. Gabriel Tóth, MUDr. Zuzana Turcsányiová, MUDr. Martina Vargová

Date of last modification: 14.03.2018

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: IK/ CIM-GM/18	**Course name:** Clerkship - Internal Medicine

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 120s
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisities: IK/IM-GM1/16,Dek. LF UPJŠ/SL-GM4/15

Conditions for course completion:
1. For successful obtained of the credits from subject is necessary:
- successful completion of professional practice
- complete the evaluation of Clerkship of Internal Medicine

Learning outcomes:
Get acquainted with and master the work in the department under the guidance of a practice assistant.

Brief outline of the course:
All medical students are required to undertake the clinical internship in the hospital wards under the supervision of the clinical tutor or other clinician who is responsible for the internship. The students make the ward rounds daily, they make daily medical notes, write case histories of newly admitted patients, read and assess X-rays, ECGs and other laboratory findings with their supervisor and at the same time they acquaint themselves with other medical records and work in the hospital ward.
Practical clinical work (under tutorial guidance nad support) includes taking various biological samples for laboratory testing, administration of subcutaneous, intramuscular, intravenous injections and transfusions. The students take responsible part in therapeutic procedures and physical examinations such as pleural, abdominal and sternal punction in monitored patients (or in other cases interesting from the diagnostic view), USG, X-ray, ECG, bicycle ergometry, pulmonary function examination, endoscopy, and autopsy in the case of death.
According to hospital possibilities the clinical internship requires 1-2 days of laboratory work to perform in order to become familiar with available basic diagnostic techniques such as doing urine tests, blood counts and blood smears. In more common internal diseases sternal biopsies are demonstrated to students.
According to hospital possibilities, the students are required to become familiar with the work of Central Admission Department, Intesive Care Unit, Dialysis Unit and Anaesthesiology and Resuscitation Department.
The students are required to take part in seminars. If it is possible they are supposed to perform night duties with qualified medical staff at least twice during their internship

course.
The students are required to write an internship diary with the records of all the performed procedures during their internship. The diary will be regularly checked by the clinical tutor at the end of each week.
CONTENT OF THE SUBJECT
Procedure:
Patient's entrance physical examination and writing a receiving report form
Ward round with the Head of Department
Patient release – writing a dismissal report form
Measuring vital signs (P, blood pressure, respiratory rate), objective status of patients, patient's disease course – separately – daily
Work at the Department of Anaesthesiology and Intensive Care or at the Coronary and Arythmologic Intensive Care Unit – 2 days
Examination per rectum ork (stay) at the Admission Outpatient Department
Assistance in puncture of ascites, pleura, liver, kidney
Assistance in gastroscopy
Assistance in colonoscopy
Loading electrodes, ECG, and make its assessment by an ECG Doctor
Chest X-ray - escorting a patient, assessment of chest X-ray, native stomach, gastrointestinal passage K. L.
Assistance in USG examination of abdomen and heart
Active participation in a dif. dg. seminar: heart failure primary and secondary hypertension dif. dg. hepatosplenomegaly

Recommended literature:

Course language:
english

Notes:
The subject Clerkship of Internal Medicine is provided only in the summer term.

Course assessment
Total number of assessed students: 1358

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
100.0	0.0	0.0	0.0	0.0	0.0	0.0

Provides: prof. MUDr. Želmíra Macejová, PhD., MPH, prof. MUDr. Daniel Pella, PhD., prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Peter Mitro, PhD., prof. MUDr. Štefan Koval, PhD., prof. MUDr. Viola Mechírová, CSc., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, prof. MUDr. Gabriel Valočik, PhD., prof. MUDr. Jozef Pella, PhD., prof. MUDr. Ľubomír Legáth, PhD., doc. MUDr. Jozef Gonsorčík, CSc., prof. MUDr. Peter Jarčuška, PhD., doc. MUDr. Eva Szabóová, PhD., doc. MUDr. Viola Vargová, PhD., doc. MUDr. Ivana Valočiková, PhD., MUDr. Peter Horváth, MUDr. Jana Deptová, PhD., MUDr. Ivan Majerčák, doc. MUDr. Martin Janičko, PhD., MUDr. Miriam Kozárová, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Alojz Rajnič, PhD., doc. MUDr. Pavol Joppa, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Martin Javorský, PhD., MUDr. Marek Varga, PhD., MUDr. Júlia Gajdziková, MUDr. Lucia Vaszilyová, PhD., MUDr. Lucia Štovková, PhD., MUDr. Lucia Tomková, PhD., MUDr. Mgr. Ivana Jochmanová, PhD., MUDr. Jana Figurová, PhD., MUDr. Štefan Sotak, PhD., MPH, MUDr. Anna Ürgeová, PhD., MUDr. Katarína Demková, PhD., MUDr. Ivana Gotthardová, PhD., MUDr. Zuzana

Kozelová, PhD., MUDr. Zora Lazúrová, doc. MUDr. Norbert Lukán, PhD., doc. MUDr. Mária Rašiová, PhD., MUDr. Alena Yaluri, PhD.
Date of last modification: 05.08.2021
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ChK/ CS-GM/18	**Course name:** Clerkship - Surgery

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 80s
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: ChK/S-GM3/17,Dek. LF UPJŠ/SL-GM4/15

Conditions for course completion:
100% participation

Learning outcomes:
The students will have the practical knowledge and skills in the investigation and treatment the patients in the ambulance, department of surgery and in the operating rooms. The students will learn the ethical principles of healthcare delivery. The students will increase the ability to communicate effectively with the patient on the surgical ambulance and bedside department.

Brief outline of the course:
To work in surgical ambulance in daytime and emergency service. The activity of outpatient clinics. Patient management. Examination and collection of material for examination. Interpretation of laboratory and imaging examinations. Assistance during surgical operations in the operating rooms.

Recommended literature:
Frankovičová Surgical for Medical Students.

Course language:

Notes:

Course assessment
Total number of assessed students: 1136

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
99.82	0.0	0.0	0.0	0.0	0.0	0.18

Provides: doc. MUDr. Miroslav Gajdoš, CSc., MPH, mim. prof., prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Miroslav Kitka, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, prof. MUDr. Igor Šulla, DrSc., prof. MUDr. Ladislav Valanský, PhD., doc. MUDr. Gabriel Vaško, CSc., prof. MUDr. Vincent Nagy, PhD., MPH, doc. MUDr. Jozef Výrostko, CSc., doc. MUDr. Miroslav Janík, CSc., prof. MUDr. Jana Kaťuchová, PhD. MBA, MUDr. Natália Šimková, MUDr. Ľubomír Lachváč, PhD., MUDr. Marek Vargovčák, MPH, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbuľák, doc. MUDr. Michal Vaľko, PhD., MUDr. Marián Kudláč, MUDr. Milan Šudák, PhD., MUDr. Ján Babík, CSc., MUDr. Peter Cibur, PhD., doc. MUDr. Radoslav Morochovič,

PhD., MUDr. Andrej Vrzgula, PhD., doc. MUDr. Marek Lacko, PhD., MUDr. Milan Stebnický, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Stanislava Imrichová, PhD., MUDr. Teodor Kluka, PhD., MUDr. Martina Vidová Ugurbas, PhD., MPH, MUDr. Mária Kubíková, PhD.
Date of last modification: 18.02.2019
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UA/CA-GM/20	**Course name:** Clinical Anatomy

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisities: UA/A-GM3/17

Conditions for course completion:
Students must present anatomical speciments they prerared during the semester.
Evaluation: completed

Learning outcomes:
The aim of this subject is the study of topographical relationships of the anatomical structures, their position in the human body with emphasis on needs of clinical medicine. The explanation of the existence of different variations of various anatomical structures is very important for the next practice. The lectures are divided into anatomical and clinical part. The clinical part is lectured by doctors – clinicians.

Brief outline of the course:
Topographical anatomy of the various regions of the head, neck, chest, abdomen, pelvis, upper and lower limbs. The dissection and study of surface and in-depth services in these areas.

Recommended literature:
Platzer W.: Color Atlas of Human Anatomy, Locomotor system, Internal organs, Nervous system , Thieme, 6th Edition, 2008.
Gilroy A. M.: Anatomy An essential Textbook, Thieme 2013.
Leonhardt H.: Color Atlas of Human Anatomy, Internal organs , Thieme, 6th Edition, 2008.
Kahle W.: Color Atlas of Human Anatomy, Nervous system and sensory organs . Thieme, 6th Edition, 2008.
Netter F. H.: Atlas of Human Anatomy .
Sobotta: Atlas of Human Anatomy , 15th Edition, Musculosceletal System, Internal Organs, Head, Neck, Neuroanatomy, Ed. by F. Paulsen and J. Waschke, English version with English Nomenclature, Elsevier Urban &Fisher, www. e-sobotta.com/service.
Kluchová D. et al.: Guide through Anatomy of Human Body , Košice, 2010.
Kluchová D. : Neuroanatomy, Košice, 2010
Rohen, Yokochi: Colour Atlas of Anatomy
K. L. Moore: Essential Clinical Anatomy

Course language:
English

Notes:
subject is provided only in the summer semester

Course assessment
Total number of assessed students: 81

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
45.68	25.93	0.0	0.0	0.0	1.23	27.16

Provides: doc. MUDr. Ingrid Hodorová, PhD., prof. MVDr. Silvia Rybárová, PhD., doc. MVDr. Květuše Lovásová, PhD., doc. MVDr. Jozef Mihalik, CSc., MUDr. Janka Vecanová, PhD., MUDr. Róbert Rapčan, PhD.

Date of last modification: 26.02.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULCHBKB/CB-GM/18	**Course name:** Clinical Biochemistry

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: ULCHBKB/MBCH-GM2/20,UPF/PP-GM2/16

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1199

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
33.44	8.92	12.93	17.93	13.76	11.59	1.42

Provides: MUDr. Eva Ďurovcová, PhD.

Date of last modification: 23.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULBF/ CB-GM/09	**Course name:** Clinical Biophysics

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: ULBF/MBF-GM/18

Conditions for course completion:
Presence at practical lessons, the student may have maximum three absences. Compensations are mandatory. Final exam - at least 60% form written test. The minimum number of students is 5 students.

Learning outcomes:
Clinical biophysics comprises the scientific and technological basis of clinical technigues and procedures that are based on physics. Most direct diagnostic tests and many of the therapeutic procedures use the efffects of physical forces, ionizing and non-ionizing radiation on human body. Clinical biophysics implies that an understanding of the function, as wellas an appreciation of the scope and limitations of the equipment used in diagnosis or therapy, are absolutely necessary for good medical practise.

Brief outline of the course:
Lasers in medicine, Physical basics of lasers, types of lasers used in medicine, safety aspects of the use lasers, Clinical application of lasers in ophthalmology, diabetic retinopathy - panretinal photocoagulation, glaucoma – iridotomy, capsulotomy, correction of refractive properties of the eye, laser surgery observation,
Physiotherapy in rehabilitation, Physical and biophysical basics of galvanic current, diathermy and diadynamic current, magnetotherapy and ultrasound in physiotherapy of vertebral diseases, Observation of practical application of physiotherapy,
Audiometry - The physical nature of sound, simple harmonic motion, interference of sound waves, Structure and physiology of middle ear and inner ear, tonal, threshold and speech audiometry, examination of recruitment phenomenon, thympanometry and the examination of stirrup reflex, examination of evoked potentials of cerebral areas, Observation of diagnostics and therapy of patients.
Nuclear magnetic resonance tomography, Physical basics of nuclear magnetic resonance, magnetic properties of nuclei, larmor equation, resonance and relaxation, relaxation times, Basic principles of imaging, spatial encoding of signal, possible hazards of NMR imaging, Clinical application of magnetic resonance (MR), equipment in local hospital, modelling of the examination of patient, images of tissues with disorders, advantages and disadvantages MR compared to CT, Observation of the examination of patient.

Recommended literature:

Clinical biophysics, M. Anbar, R.A.Spangler, P. Scott, Warren H. Green, Inc., St. Louis, 1985
Ophthalmic laser surgery: W. E. Benson, G. Coscas, L.J. Katz, Philadelphia, 1993
An Introduction to biophysics with medical orientation, edited by G.Rontó, I.Tarján, Akadémiai Kiadó, Budapest, 1991

Course language:

Notes:

Course assessment

Total number of assessed students: 0

A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0

Provides: RNDr. Imrich Géci, PhD.

Date of last modification: 15.01.2019

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULM/CI-GM/09	**Course name:** Clinical Immunology

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: ULM/FI-GM/18,UPF/PP-GM2/16

Conditions for course completion:
Successful completion of continuous control of study and final exam
Continuous assessment (test, individual work): elaboration of seminar work
Final assessment (exam): written and oral exam
Link to the Conditions of graduation on the website of the Department of Paediatrics and Adolescent Medicine
https://www.upjs.sk/lekarska-fakulta/klinika/deti-a-dorast/vyucba/predmety/dr/

Learning outcomes:
To provide students with basic knowledge and understanding of the use of knowledge of basic immunology in the medical and preventive care of patients with immunologically mediated diseases.
After completing the course, students will be able to use the acquired theoretical concepts, distinguish between basic theories and concepts that they use. Students will be able to evaluate and use the acquired knowledge in further study and at the same time will be able to apply the acquired theoretical knowledge in practice.

Brief outline of the course:
Beginning with the basic concepts: development of immune system, allergy and anaphylaxis, immunodeficiency, autoimmunity.
Detailing: characterization, clinical presentation, diagnosis and differential diagnosis of immune-based diseases.
Deals with indications, contraindications and side effects of immunomodulatory therapy.
The current timetable for a given semester is published on the website of the Department of Paediatrics and Adolescent Medicine.

Recommended literature:
Rich R. et al.: Clinical Immunology, Elsevier-Sauders, 2018
Bernstein J.: Primary and Secondary Immunodeficiency, Springer, 2021
Abul K. Abbas, Andrew H. Lichtman: Basic Immunology - Functions and Disorders of the Immune System Third Edition / Updated Edition, Elsevier – Saunders, 2010

Course language:

English language

Notes:
The course is provided only in the winter semester, if at least 3 students enroll in it.

Course assessment
Total number of assessed students: 74

A	B	C	D	E	FX
98.65	1.35	0.0	0.0	0.0	0.0

Provides: doc. MUDr. Veronika Vargová, PhD., MUDr. Tatiana Baltesová, PhD., MUDr. Gabriel Koľvek, PhD.

Date of last modification: 27.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UPF/CPF-GM/19	**Course name:** Clinical Pathophysiology

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 6.

Course level: I.II.

Prerequisities: UPF/PP-GM1/16

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 10

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
80.0	20.0	0.0	0.0	0.0	0.0	0.0

Provides: doc. MUDr. Roman Beňačka, CSc., mim.prof.

Date of last modification: 28.05.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UFZ/ CPSM-GM/09	**Course name:** Clinical Physiology - Sleep Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: UFZ/Ph-GM2/14,UPF/PP-GM2/16

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 66

A	B	C	D	E	FX
43.94	28.79	16.67	7.58	3.03	0.0

Provides: prof. MUDr. Viliam Donič, CSc., doc. MUDr. Mária Pallayová, PhD., doc. MUDr. Roman Beňačka, CSc., mim.prof., RNDr. Soňa Grešová, PhD.

Date of last modification: 18.02.2019

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULI/ CB-GM/17	**Course name:** Computer Biometrics

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 5.

Course level: I.II.

Prerequisities: ULI/MInf-GM/09

Conditions for course completion:
1. 100% and active attendance.
2. Min. 60% from each test during the term.
3. Elaboration of all given classworks.
4. Final exam.

Learning outcomes:
This subject should provide an understanding of the basic principles that underlie research design, data analysis and interpretation of results and enable the students to carry out a wide range of statistical analyses.

Brief outline of the course:
Basic notion. General sequence of steps in a research project. The design of experiment. Descriptive statistics - mean, standard deviation, variance, standard error of the mean, quartils, confidence intervals. The distribution of observations. Theoretical models of distribution probability. Data protection in information systems. Estimation and hypothesis testing. Data collection, data entry, data checking, data cleaning, data analysis. The two-sample test for equal means, paired and not-paired. Homogenity of variance in the two samples means test. Analysis of variance one way, parametric. Non-parametric tests. Solution of tasks with using commercialy software. Regression and correlation. Relation between two continuous variables. Simple linear regression and correlation. Correlation coeficient. Point and interval estimates for parameters of line. Testing hypothesis of probability. Contingency tables. Uncertainty models and their aplications in medicine. Solution of typical tasks.

Recommended literature:
1. Dale E. Mattson, Ph.D., Statistics, Difficult concepts, understandable explanations, Bolchay - Carducci Publishers, 1999.
2. Douglas G. Altman, Practical Statistics for Medical Research, CHAPMAN @ HALL, London, 1994.
3. Notes from exercises.

Course language:
english

Notes:

Course assessment
Total number of assessed students: 107

A	B	C	D	E	FX
37.38	37.38	16.82	0.0	2.8	5.61

Provides: doc. Ing. Jaroslav Majerník, PhD.

Date of last modification: 17.05.2017

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: SK/Ds-GM/12	**Course name:** Dentistry

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 7.

Course level: I.II.

Prerequisities: UP/PA-GM1/14,UPF/PP-GM1/16,ULM/MB-GM1/09

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1373

A	B	C	D	E	FX
25.42	18.5	19.59	16.17	16.75	3.57

Provides: MDDr. Marcel Riznič, PhD., MUDr. Eva Janitorová, PhD., MUDr. Andrej Jenča, PhD. MBA, MUDr. Vladimíra Schwartzová, PhD., MPH, MDDr. Jozef Jendruch, MDDr. Juraj Bánovčin, PhD., MDDr. Martina Viňanská, MDDr. Adela Bobková, MDDr. MUDr. Beáta Bolerázska, PhD., MUDr. Jana Kaiferová, PhD.

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: KD/D-GM1/19	**Course name:** Dermatovenerology 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 7.

Course level: I.II.

Prerequisities: ULM/MB-GM1/09,UPF/PP-GM1/16,UP/PA-GM1/14

Conditions for course completion:
tests
medical examination of a patient, credit

Learning outcomes:
The students have a thorough grounding in internal medicine, enabling insight into the interactions between the skin and other systems of the body, and a detailed understanding of the structure and function of the skin. Main aim of dermatovenerology is initiated in histology, histopathology of the skin, essential skin biology, functions of the skin, and skin lesions. The students have to be certain of history taking, describing the skin manifestations, investigation and patch testing for occupational and non-occupational contact allergic dermatoses. The students have to be skilled in microscopy investigations. They must have knowledge of immunohistology of autoimmune diseases, determination of skin tumors, new non-invasive treatment methods. The students will be familiar with the epidemiology of sexually transmitted diseases, their clinical manifestations, modes of transmission, and their appropriate treatment.

Brief outline of the course:
Histology and histopathology of the skin. Skin diseases due to physical and chemical causes. Photodermatoses. Viral, bacterial, fungal and parasitic skin infections. Erythematosquamous diseases. Pustular diseases. Keratoses. Drug eruptions and allergic reactions. Dermatitis and eczema, occupational skin disease.

Recommended literature:
Braun-Falco, Plewig, Wolff, Winkelmann: Dermatology. Springer - Verlag, Berlin Heidelberg, 3rd, 2000
Švecová D, Daniela T.: Textbook of Dermatology. Comenius University Bratislava, 2010, ISBN 978-80-223-2833-3.
Clinical Dermatology, Fourth Edition By Richard P.J.B. Weller, John A.A. Hunter, John A. Savin and Mark V. Dahl,
© 2008 Richard Weller, John Hunter, John Savin, Mark Dahl. ISBN: 978-1-405-14663-0
Dermatology - Wolfram Sterry, Ralf Paus, Walter Burgdorf ; with contributions by Heike Audring . . . [et al.], 2010.

(Thieme clinical companions) ISBN 1-58890-258-7 (alk. paper) -- ISBN 3-13-135911-0 (alk. paper)
Clinical dermatology: a color guide to diagnosis and therapy - Thomas P. Habif.—Sixth edition.© 2016, Elsevier Inc

Course language:

Notes:

Course assessment
Total number of assessed students: 1446

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
39.21	46.4	9.13	2.01	0.55	1.24	1.45

Provides: MUDr. Zuzana Baranová, PhD., MUDr. Janette Baloghová, PhD., MUDr. Vladimíra Nagyová, MUDr. Gabriela Takáčová, MUDr. Anna Podracká

Date of last modification: 17.04.2019

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: KD/D-GM2/18	**Course name:** Dermatovenerology 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 2 **Per study period:** 14 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisities: KD/D-GM1/19

Conditions for course completion:
tests
medical examination of a patient, credit

Learning outcomes:
The students have a thorough grounding in internal medicine, enabling insight into the interactions between the skin and other systems of the body, and a detailed understanding of the structure and function of the skin. Main aim of dermatovenerology is initiated in histology, histopathology of the skin, essential skin biology, functions of the skin, and skin lesions. The students have to be certain of history taking, describing the skin manifestations, investigation and patch testing for occupational and non-occupational contact allergic dermatoses. The students have to be skilled in microscopy investigations. They must have knowledge of immunohistology of autoimmune diseases, determination of skin tumors, new non-invasive treatment methods. The students will be familiar with the epidemiology of sexually transmitted diseases, their clinical manifestations, modes of transmission, and their appropriate treatment.

Brief outline of the course:
Atopic dermatitis. Seborrhoic dermatitis. Clinical features, diagnosis, management Diseases of the sebaceous glands Acne. Allergic and irritant contact dermatitis. Urticaria. Angioedema
Bullous diseases. Malignant cutaneous tumours . The skin in systemic disease.

Recommended literature:
Braun-Falco, Plewig, Wolff, Winkelmann: Dermatology. Springer - Verlag, Berlin Heidelberg, 3rd, 2000
Švecová D, Daniela T.: Textbook of Dermatology. Comenius University Bratislava, 2010, ISBN 978-80-223-2833-3.
Clinical Dermatology, Fourth Edition By Richard P.J.B. Weller, John A.A. Hunter, John A. Savin and Mark V. Dahl,
© 2008 Richard Weller, John Hunter, John Savin, Mark Dahl. ISBN: 978-1-405-14663-0
Dermatology - Wolfram Sterry, Ralf Paus, Walter Burgdorf ; with contributions by Heike Audring . . . [et al.], 2010.
(Thieme clinical companions) ISBN 1-58890-258-7 (alk. paper) -- ISBN 3-13-135911-0 (alk. paper)

Clinical dermatology: a color guide to diagnosis and therapy - Thomas P. Habif.—Sixth edition.© 2016, Elsevier Inc

Course language:

Notes:

Course assessment
Total number of assessed students: 1376

A	B	C	D	E	FX
28.63	20.49	19.55	13.3	15.55	2.47

Provides: MUDr. Zuzana Baranová, PhD., MUDr. Janette Baloghová, PhD., MUDr. Gabriela Takáčová, MUDr. Anna Podracká

Date of last modification: 14.03.2018

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: Dek. LF UPJŠ/DTD-GM/15	**Course name:** Diploma Thesis and Diploma Thesis Defence

Course type, scope and the method:
Course type:
Recommended course-load (hours):
Per week: Per study period:
Course method: present

Number of ECTS credits: 8

Recommended semester/trimester of the course: 11., 12..

Course level: I.II.

Prerequisities: Dek. LF UPJŠ/SDT-GM1/17,Dek. LF UPJŠ/SDT-GM2/12,Dek. LF UPJŠ/SDT-GM3/12,Dek. LF UPJŠ/SDT-GM4/12

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 953

A	B	C	D	E	FX
51.42	27.18	13.85	4.62	2.94	0.0

Provides:

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: IK/ DTP-GM/16	**Course name:** Donation and Transplantation Programme

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 0 **Per study period:** 28 / 0
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: ULM/CI-GM/09

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 3

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	100.0	0.0	0.0	0.0	0.0	0.0

Provides:

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UE/E-GM/16	**Course name:** Epidemiology
Course type, scope and the method: **Course type:** Lecture / Practice **Recommended course-load (hours):** **Per week:** 1 / 2 **Per study period:** 14 / 28 **Course method:** present	
Number of ECTS credits: 3	
Recommended semester/trimester of the course: 8.	
Course level: I.II.	
Prerequisities: ULM/MB-GM2/14,UPF/PP-GM1/16	
Conditions for course completion: Attendance on lectures, active participation and discussion. Seminar – seminars work on chosen topic with presentation. Written test.	
Learning outcomes: Student of the subject will receive the basic knowledge about occurrence and distribution of infectious diseases and chronic diseases with outbreaks in a population, about fundamental factors influencing their occurrence, about preventive and repressive measures against their spread and to improve the health status of the population.	
Brief outline of the course: Epidemiology - characteristics, goals. Basic epidemiological methods, causality. Descriptive methods, analytic methods, experimental epidemiology, epidemiological surveillance. Statistical methods in epidemiology. Evolution of parasitism and infectious diseases. Sources of infection – forms, characteristics, scope and epidemiological measures. Transmission of infectious diseases. Phases of transmission, particular ways of transmission. Classification of infectious diseases. Epidemiology of intestinal, airborne, arthropod-borne, and skin and external mucosae infections. Epidemiology of zoonoses. Epidemiology of nosocomial infections. Epidemic process – characteristics, determinants. Principles of control of infectious diseases. Specific prophylaxis, active and passive immunization. Decontamination, disinfection, sterilization, disinsection, rodent control.	
Recommended literature: Bakoss et al. Compendium of Epidemiology. Comenius University: Bratislava, 1999 Epidemiology and Prevention of Vaccine-Preventable Diseases. 12th Edition. CDC: Atlanta, 2011 Rothamn KJ.: Epidemiology. An Introduction. Oxford University Press, 2002. Glossary of Epidemiology Terms. CDC: Atlanta, 2012	
Course language: english	
Notes:	

Course assessment
Total number of assessed students: 1965

A	B	C	D	E	FX
9.52	27.68	30.99	21.37	10.13	0.31

Provides: prof. MVDr. Monika Halánová, PhD., MUDr. Ingrid Babinská, PhD., MPH, PhDr. Lenka Petrová, PhD., Mgr. Andrej Belák, Mgr. Daniela Fiľakovská, PhD., doc. Mgr. Zuzana Dankulincová, PhD., Mgr. Jana Holubčíková, PhD., Mgr. Daniela Husárová, PhD., Mgr. Peter Kolarčik, PhD., Mgr. Jaroslava Kopčáková, PhD., prof. Mgr. Andrea Madarasová Gecková, PhD.

Date of last modification: 17.05.2016

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULI/ MZND-GM/12	**Course name:** Evidence Based Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 6., 8., 10.

Course level: I.II.

Prerequisities: ULI/MInf-GM/09

Conditions for course completion:
1. 100% and active attendance.
2. Min. 60% from each test during the term.
3. Elaboration of all given classworks.

Learning outcomes:
Understand basic principles of Evidence based Medicine (EBM). The students will get skills to obtain information about clinical scientific outputs; they will know how to critically evaluate clinical information as well as they will know to present benefits for clinical praxis. Basics of scientific work related to the medicine will be also explained.

Brief outline of the course:
The history, the development and the recent state on Evidence Based Medicine. Characteristics of clinical trials. Formulation of clinical questions. Specialized information resources for evidence based medicine. Methodology of clinical information searching. Qualitative evaluation of clinical studies and reviews. Presentation of practical works.

Recommended literature:
1. Heneghan C., Badenoch D.: Evidence-based Medicine Toolkit, BMJ Books, Blackwel Publishing, 2006, ISBN 978-0-7279-1841-3.
2. Majerník J., Švída M., Majerníková Ž.: Medicínska informatika, UPJŠ, Košice 2010, Equilibria, ISBN 978-80-7097-811-5.
3. Notes from exercises.

Course language:
english

Notes:

Course assessment
Total number of assessed students: 69

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
36.23	15.94	11.59	2.9	0.0	0.0	33.33

Provides: doc. Ing. Jaroslav Majerník, PhD.
Date of last modification: 12.05.2016
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: 1. KAIM/FAID-GM/09	**Course name:** First Aid

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:
1. Pass all excercises - 100% participation in exercises
2. Final test - min. 60% criteria

Learning outcomes:
Practical education in cardiopulmonary resuscitation, care of the bleeding victim, burns care, covering and imobilization of injury of the skelet.

Brief outline of the course:
Emergency Rescue and Transfer – Removal from Automobile. Basic Resuscitation Steps: Respiratory Emergencies, Airway Obstructions, Cardiopulmonary Resuscitation - Basic life support. Unconscious Victim. Wounds – Definition, Causes, First Aid for Open Wounds. Heat Stroke. Burns – First Aid

Recommended literature:
First Aid Manual (Dk First Aid) John Ambulance (Author), 10th edition, 2014, ISBN: 978-1-4093-4200-7.
First Aid for Babies and Children by DK, DK (Author) , 5th edition, 2012, ISBN: 978-1409379126.
www.erc.com

Course language:
English language

Notes:

Course assessment
Total number of assessed students: 3086

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
45.85	12.18	11.34	6.61	5.64	14.91	3.47

Provides: MUDr. Judita Capková, PhD., MUDr. Monika Grochová, PhD., MUDr. Vladimír Hudák, PhD., doc. MUDr. Radoslav Morochovič, PhD.

Date of last modification: 20.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: USL/ FC-GM/16	**Course name:** Forensic Criminalistics

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 8., 10.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Attendance on lectures and seminars to the specified extent, successful presentation of seminar work. Detailed conditions for mandatory participation and forms of evaluation are available on the department's website.
https://www.upjs.sk/en/faculty-of-medicine/department/forensic-medicine/teaching/courses/dr/

Learning outcomes:
Criminalistics is one of the important components of medical and legal science that provides knowledge and skill for analysis and assessment of criminal offenses – from committing a crime to punishing the offender. The teaching of the subject Forensic Criminalistics is focused on selected procedures and methods of forensic investigation, which are in many aspects built on the basic knowledge of the human body and chemical processes associated with the study of general medicine. The course also offers a demonstration and analysis of real criminal cases, which can be an interesting addition to content of studies not only for the future forensic doctors.

Brief outline of the course:
Introduction to forensic sciences. Areas of forensic science. History of forensic sciences. Forensic science organization in Slovakia. Expert activities. Process of investigation (STAIR tool). Crime scene investigation. Types of evidence. Collection of evidence at the crime scene. Bloodstain patterns. Forensic identification. Techniques and procedures in postmortem identification. Dactyloscopy. Portrait identification. Forensic odorology. Forensic biology and genetics. Forensic anthropology. Trasology. Firearms and toolmarks. Criminalistic tactics. Interviewing, questioning, and interrogation. Forensic psychology. Sanity evaluations and criminal responsibility. Criminology. Different schools of criminology. Areas of focus of criminologist. Victimology. Famous murder cases that took place in Slovakia.

Recommended literature:
JAMES, S. H., J. J. NORDBY, and S. BELL. Forensic Science: An Introduction to Scientific and Investigative Techniques. 4th ed. New York: CRC Press, 2014.
ERZINCLIOGLU, Z. The Illustrated Guide to Forensics: True Crime Scene Investigations. London: Carlton Book Ltd., 2004.
REDDY, K. S. N. and MURTY, O. P. The Essentials of Forensic Medicine and Toxicology. 33rd edition. New Delhi: Jaypee Brothers Medical Publishers Ltd., 2014.

KARCH, S. B. Postmortem Toxicology of Abused Drugs. New York: CRC Press, 2008.
MOREWITZ, S. J., GOLDSTEIN, M. L. Handbook of Forensic Sociology and Psychology. New York: Springer, 2014.
SIEGEL, L. J. Criminology: Theories, Patterns and Typologies. 13th ed. Boston: Cengage Learning, 2016.

Course language:
English

Notes:
Maximum class size is 20 students.

Course assessment
Total number of assessed students: 103

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
23.3	64.08	0.0	0.0	0.0	0.0	12.62

Provides: doc. MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Ingrid Nerantzakis, MUDr. Dorota Sopková, PhD.

Date of last modification: 21.07.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: USL/ FMML-GM/19	**Course name:** Forensic Medicine and Medicine Law

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 2 **Per study period:** 14 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: ChK/S-GM3/17,IK/IM-GM3/17,NLK/NL-GM2/14

Conditions for course completion:
Attendance on lectures and seminars to the specified extent, successful completion of a credit test and oral exam. Detailed conditions for mandatory participation and forms of evaluation are available on the department's website.
https://www.upjs.sk/en/faculty-of-medicine/department/forensic-medicine/teaching/courses/dr/

Learning outcomes:
The aim of the subject is to acquaint students with the role of Forensic Medicine, as one of the main branches of medicine. The students will learn how to identify and assess the effects of violence on the human body, determine the cause of death in cases of non-violent and violent death, as well as apply medical knowledge to questions of civil and criminal law. Emphasis is placed on acquiring the basic knowledge necessary to perform an examination of the dead body at the scene of death, as a knowledge required of every future doctor.

Brief outline of the course:
Introduction to the forensic medicine. Role of forensic medicine in Slovakia and worldwide. Concept of forensic medicine in Slovakia. Health Care Surveillance Authority. Examination of the dead body at the scene of death. Coroner system and medical examiner system. Medical examination of the dead in Slovakia. Types of autopsies. Autopsy procedure. Neonatal autopsy. Documentation required for the autopsy. Autopsy diagnosis. Autopsy report. Medicolegal death investigation. Postmortem changes. Supravital and vital reactions. Identification of the living and the dead. Forensic dentistry. Identity of decomposed or skeletalised remains. Identification in mass disasters. Exhumation. Natural (non-violent) death in adults. Natural (non-violent) death in children. Sudden infant death syndrome. Violent death in children. Child abuse and neglect. Pregnancy and childbirth. Sexual offenses. Violent death. Mechanical injuries. Examination of wounds. Blunt and sharp force injuries. Firearm and blast injuries. Forensic investigation of traffic accidents. Suffocation. Mechanical asphyxia. Drowning. Thermal injuries. Electrical injuries. Diving accidents (barotrauma, decompression sickness). High altitude illness. Ionizing radiation injury and illness. Medical errors. Iatrogenic damage. Expert activity in medical profession. Forensic expert activity. Forensic medical examination of the living persons. Forensic toxicology. General aspects of poisoning. Types of poisons. Forensic diagnosis of poisoning. Methods in forensic toxicology. Gaseous poisons. Agrochemical poisons. Corrosive poisons. Heavy metals.

Mushroom poisoning. Forensic toxicology. Alcohols. Medicolegal aspects of ethanol intoxication. Methanol poisoning. Ethylene glycol poisoning. Drugs of abuse and dependence. Forensic histopathology. Immunohistochemistry.

Recommended literature:

REDDY, K. S. N., and O. P. MURTY. The Essentials of Forensic Medicine and Toxicology. 33rd edition. New Delhi: Jaypee Brothers Medical Publishers Ltd., 2014.
DIMAIO, V. J., and D. DIMAIO. Forensic Pathology. 2nd edition. Boca Raton: CRC Press, 2001.
PAYNE-JAMES, J., JONES, R., KARCH, S. B. and MANLOVE, J. Simpson's Forensic Medicine. 13th edition, London: Hodder Arnold, 2011.
BURTON, J., S. SAUNDERS, and S. HAMILTON. Atlas of Adult Autopsy Pathology. Boca Raton: CRC Press, 2015.
LONGAUER, F., N. BOBROV, and P. LÁBAJ. Practising in Forensic Medicine. Košice: UPJŠ, 2000.

Course language:
English

Notes:

Course assessment
Total number of assessed students: 1137

A	B	C	D	E	FX
73.53	15.3	7.12	2.81	1.23	0.0

Provides: doc. MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Dorota Sopková, PhD., MUDr. Ingrid Nerantzakis

Date of last modification: 20.07.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: 1. IK/ FNCD-GM/16	**Course name:** Fundamentals in Nutrition and Clinical Dietology

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: IK/IM-GM3/17

Conditions for course completion:
1. For successful completion of the practical exercises/seminars is required:
- To participate at all of practical exercises, theoretical and practical performance of all exercises/seminars.
- To get at least 60 % of total score for ongoing review of written test or the theoretical training to practical exercises.
- Two absences are allowed /justified/
2. For successful obtained of the credits from subject is necessary:
- To gain the credit from practical exercises (paragraph 1 above).
- Evaluation: Study rules of procedure UPJŠ in Košice, the Faculty of Medicine, Par II, Art13
- The final classification includes the evaluation of the written test and the results obtained in practical exercises
Education can alternatively by conducted in a distant mode. The teachers will communicate with students by email, skype or other teleconference applications.
1. The presence of the students at individual practices will be recorded by their teachers.
2. Teachers will assign the tasks to students in the form of essays and solving case reports.
3. Knowledge assessment will be carried out by a distance test.
4. Completion of the course will be evaluated on the basis of the records of presence, written assignments and test results.

Learning outcomes:
Point out the importance of proper nutrition in the prevention and treatment of various diseases.

Brief outline of the course:
Characteristics of individual nutrients.The importance of diet in the development of lifestyle diseases.Principles of diet in lipid disorders, obesity and diabetes type 2 patients
Obesity, clinical dietology guide, cardiovascular protection diet.Enteral and Parenteral Nutrition
Water and electrolytes (sodium, potassium, chloride).Protein, carbohydrate, fat, fiber intake

Vitamin, mineral, trace element, antioxidant, electrolyte intake.Function of the gastrointestinal (GI) tract.Hormonal control of nutrient metabolism.Nutrition and immunity
Characteristics of an adequate diet, Veganism/vegetarianism.Diarrhea, water, electrolytes, acid-base balance.Chronic diseases (cancer, cardiovascular disease, hyperlipidemia, hypertension, osteoporosis.
Omega 3-PUFA a metabolic syndrome .Malnutrition .Weight loss diet plans and evidence based medicine .Principles of diet in lipid disorders, obesity and
diabetes type 2 patients.Probiotics .Obesity.Antioxidants , Protein (deficiency, metabolism, bioavailability, food sources, requirements) .Dietary fiber, energy balance.Carbohydrates (food sources, requirements) .Physiology related to thirst, hunger, satiety.Nutrient intake recommendations .Nutritional anemias, Laboratory evaluation,
Growth.Sources, bioavailability, action, deficiency,
excess of micronutrients.

Recommended literature:
Catherine Hankey PhD RD, Kevin Whelan PhD RD FBDA : Advanced Nutrition and Dietetics in Obesity, Print ISBN:9780470670767
Online ISBN:9781118857991
DOI:10.1002/9781118857991© 2018 John Wiley & Sons Ltd.
Ronald Watson : Nutrition in the Prevention and Treatment of Abdominal Obesity 2nd EditioneBook ISBN: 9780128137819,Paperback ISBN: 9780128160930,Imprint: Academic Press,Published Date: 6th December 2018,Page Count: 522

Course language:
english

Notes:
The course Fundamentals in Nutrition and Clinical Dietology is provided only in the summer term.

Course assessment
Total number of assessed students: 62

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
54.84	41.94	1.61	0.0	0.0	0.0	1.61

Provides: doc. MUDr. Viola Vargová, PhD.

Date of last modification: 05.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UVZH/ FHRA-GM/15	**Course name:** Fundamentals of Health Risk Assesment

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 0 **Per study period:** 28 / 0
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 38

A	B	C	D	E	FX
47.37	28.95	5.26	7.89	7.89	2.63

Provides: doc. MUDr. Kvetoslava Rimárová, CSc., mim.prof.

Date of last modification: 19.05.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULM/FI-GM/18	**Course name:** Fundamentals of Immunology

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 5

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities: ULBL/B-GM1/09

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 2647

A	B	C	D	E	FX
18.66	10.77	24.06	15.34	19.98	11.18

Provides: RNDr. Marián Sabol, CSc., Dr.h.c. prof. MUDr. Leonard Siegfried, CSc.

Date of last modification: 14.03.2018

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KVL Šaca/GM-GM/15	**Course name:** General Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 2 **Per study period:** 14 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: IK/IP-GM/15,ChK/SP-GM/15

Conditions for course completion:
Lectures, Practice, Fellowhips, completion of the course

Learning outcomes:
Medical history : current condition, personal, family, work and medication history. Physical examination (and rectal). Preventive examination. Vaccination. Prescription of the drugs and medical devices. Acute conditions. Therapy. Consultant examination. Auxiliary examination. Hospitalization. Etics. Law. Documentation.

Brief outline of the course:
1. General medicine : definition, basic concepts
2. Work of general practitioner : medical and non- medical
3. Diagnosis and treatment : symptoms, syndrome, diagnosis, differential diagnosis , therapy
4. Work particularities of general practitioner : preventive exam, vaccination, prehospital care, medical service of first aid, visits, occupational health services, sickness absence
5. Acute conditions
6. The principles of communication with different groups
7. Medical files. Examination of the dead. Possession of weapons. Motor vehicles. Cooperation with police.
8. eHealth

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1233

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
32.68	65.21	1.14	0.24	0.08	0.65	0.0

Provides: prof. MUDr. PhDr. Peter Kalanin, PhD., MUDr. Beatrica Kováryová, MUDr. Matej Šajty, PhD., MUDr. Katarína Šajtyová, PhD., MUDr. Jana Annová, PhD., MUDr. Tímea Molek Dánielová, MUDr. Michal Fečík
Date of last modification: 21.10.2015
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KGO/ GE-GM/09	**Course name:** Geriatrics

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: IK/IM-GM1/16,1. PK/PMC-GM/20

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 157

A	B	C	D	E	FX
54.14	39.49	3.82	2.55	0.0	0.0

Provides: doc. MUDr. Marián Sninčák, CSc.

Date of last modification: 26.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: G-PK/ GO-SS-GM/18	**Course name:** Gynaecology and Obstetrics

Course type, scope and the method:
Course type:
Recommended course-load (hours):
Per week: Per study period:
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 11., 12..

Course level: I.II.

Prerequisities: G-PK/GO-GM3/16,G-PK/CGO-GM/18,UFR/PM-GM2/17

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 971

A	B	C	D	E	FX
47.99	17.61	15.55	8.86	7.83	2.16

Provides:

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: G-PK/ GO-GM1/09	**Course name:** Gynaecology and Obstetrics 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: IK/IM-GM3/17

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1207

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
33.47	11.76	14.42	16.74	13.5	9.86	0.25

Provides: doc. MUDr. Peter Urdzík, PhD., MPH, mim. prof., prof. MUDr. Róbert Dankovčík, PhD., MPH, MUDr. Peter Suchánek, PhD. MBA, doc. MUDr. Ján Varga, PhD., MUDr. Viera Dudičová, PhD., doc. MUDr. Silvia Toporcerová, PhD. MBA, MUDr. Rastislav Dudič, PhD., prof. MUDr. Alexander Ostró, CSc., MBA, MUDr. Katarína Balasičová, PhD., MUDr. Vladimír Kraus, MUDr. Alena Nagyová, doc. MUDr. Erik Dosedla, Ph.D., MBA, MUDr. Andrea Grendelová, PhD., doc. MUDr. Vladimír Kraus, CSc., MUDr. Ján Richnavský, PhD., MUDr. Gabriel Tóth, MUDr. Martina Vargová, MUDr. Zuzana Ballová, MUDr. Zuzana Turcsányiová

Date of last modification: 23.03.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: G-PK/ GO-GM2/09	**Course name:** Gynaecology and Obstetrics 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 3 **Per study period:** 28 / 42
Course method: present

Number of ECTS credits: 4

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: G-PK/GO-GM1/09

Conditions for course completion:
- 100 % participation in practical lesson, signed in logbook
- 100% attendance of lectures
- obtain at least 60% from credit test (mark E)

Learning outcomes:
Aim of subject:
get to know basic examination and therapeutic methods in gynecology and obsterics

Brief outline of the course:
Basic structure of subject:
basic examination methods in obsterics, process of physiocogical and pathological pregnancy, pshysiological and pathological bitrh

Recommended literature:
Chamberlain G., et al., Illustrated textbook of obstetrics, 1991
Tindall V. R., et al., Illustrated textbook of gynaecology, 1991
Gabbe S. G., et al., Obstetrics, 1996
Novak´s and Berek J., et al., Gynaecology, 1996

Course language:
English language

Notes:

Course assessment
Total number of assessed students: 1194

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
33.33	9.72	14.66	17.09	16.25	8.88	0.08

Provides: MUDr. Viera Dudičová, PhD., doc. MUDr. Silvia Toporcerová, PhD. MBA, doc. MUDr. Peter Urdzík, PhD., MPH, mim. prof., doc. MUDr. Ján Varga, PhD., MUDr. Ján Richnavský, PhD., MUDr. Rastislav Dudič, PhD., MUDr. Katarína Balasičová, PhD., MUDr. Vladimír Kraus, MUDr. Barbora Kuncová, MUDr. Alena Nagyová, MUDr. Peter Suchánek, PhD. MBA, MUDr.

Dávid Tóth, MUDr. Zuzana Ballová, doc. MUDr. Erik Dosedla, Ph.D., MBA, MUDr. Gabriel Tóth, MUDr. Zuzana Turcsányiová, MUDr. Martina Vargová
Date of last modification: 23.03.2020
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: G-PK/GO-GM3/16	**Course name:** Gynaecology and Obstetrics 3

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 160s
Course method: present

Number of ECTS credits: 9

Recommended semester/trimester of the course: 11., 12..

Course level: I.II.

Prerequisities: G-PK/GO-GM2/09

Conditions for course completion:
- 100 % participation in practical lectures, signed in logbook
- obtain at least 60% from credit test (Mark E)

Learning outcomes:
aim of subject:
get to know operative techniques in gynecology and obstetrics, reiteration of knowledge

Brief outline of the course:
basic structure:
basic operative techniques in gyn&obs specialiyed operative, techniques, prenatal diagnostic techniques (amniocentesis), techniques in minimal invasive surgery (hysterescopy, laparoskopy), process of physiological and pathological gravidity, psysiological birt, menstrual cycle disorders, infection in gynecology, benign and malignant tumors, sterility, urogynecology, breast disease

Recommended literature:
Obsterics and gyneacology
Steven G. Gabbe
Jeniffe R. Niebyl
Joe Leih simpson
ISBN 978-1-4377-1935-2
2012

Course language:
English language

Notes:

Course assessment
Total number of assessed students: 960

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
30.52	28.65	10.52	10.31	8.23	11.46	0.31

Provides: doc. MUDr. Ján Varga, PhD., MUDr. Rastislav Dudič, PhD., MUDr. Viera Dudičová, PhD., MUDr. Vladimír Kraus, MUDr. Barbora Kuncová, MUDr. Alena Nagyová, MUDr. Peter Suchánek, PhD. MBA, doc. MUDr. Silvia Toporcerová, PhD. MBA, MUDr. Dávid Tóth, doc. MUDr. Peter Urdzík, PhD., MPH, mim. prof., doc. MUDr. Erik Dosedla, Ph.D., MBA, doc. MUDr. Vladimír Kraus, CSc., MUDr. Ján Richnavský, PhD., MUDr. Gabriel Tóth, MUDr. Zuzana Turcsányiová, MUDr. Zuzana Ballová, MUDr. Martina Vargová
Date of last modification: 23.03.2020
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: USBM/ HCM-GM/13	**Course name:** Health Care Management

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 101

A	B	C	D	E	FX
62.38	20.79	9.9	0.0	4.95	1.98

Provides:

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: USL/ HDMP-GM/16	**Course name:** Health Damage in Medical Practice

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 8., 10.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Attendance on lectures and seminars to the specified extent, successful presentation of seminar work. Detailed conditions for mandatory participation and forms of evaluation are available on the department's website.
https://www.upjs.sk/en/faculty-of-medicine/department/forensic-medicine/teaching/courses/dr/

Learning outcomes:
The subject offers a comprehensive view on the various types and causes of health damage that every doctor might encounter during clinical practice. Unlike clinically oriented subjects that are focusing on pathological conditions in terms of their etiology, diagnosis and treatment, this elective course focuses rather on the assessment of specific health damage such as one resulting from a criminal offence, accident or medical malpractice. Topics regarding epidemics, pandemics and bioterrorism also deal with specific approach of health professionals and altered conditions for provision of health care, especially in terms of protection of own health.

Brief outline of the course:
Definition of health damage and its classification from different points of view. Health damage due to a disease and external factors. Bodily harm from legal point of view. Assessment of traumatic injury. Medical records management. Diagnoses, their arrangement and relevance for forensic and legal purposes. Assessment of the causal link between diagnosis and patient data. Assessment of long-term sickness absence. Traumatic health damage. Traffic accidents – forensic assessment. Quantification of injuries in traffic accidents. Quantification of injuries in traffic accidents. Direct and associated complications of traumatic injuries. Injury Severity Score (ISS). Abbreviated Injury Scale (AIS). Health damage resulting from the offense. Forms of physical abuse. CAN syndrome. Examination of the person injured while committing a crime and the person suspected of committing a crime. External examination of the person after the committed crime. Biological and chemical weapons of mass destruction in connection with damage to human health. Bioterrorism. Biohazard Safety Level (BSL) and its importance. Work in a BSL regime in case of biological threat. Mass casualty incident. M.E.T.H.A.N.E. method. Sorting of wounded people. Triage (START). Health services in epidemic/pandemic. Challenges of epidemic/pandemic for the health care system. Working conditions of healthcare professionals during epidemic/pandemic. Compensation for the pain and deteriorated social and work capacity in Slovak legislation. Damage

to health during provision of health care. Medical malpractice. Lege artis. Supervision of provision of health care and. Health Care Surveillance Authority (HCSA) in Slovakia. Expert activity in the field of healthcare and pharmacy in cases of health damage. HCSA vs. medical expert activity in case of damage to health during provision of health care.

Recommended literature:

REDDY, K. S. N. and MURTY, O. P. The Essentials of Forensic Medicine and Toxicology. 33rd edition. New Delhi: Jaypee Brothers Medical Publishers Ltd., 2014.
PAYNE-JAMES, J., JONES, R., KARCH, S. B. and MANLOVE, J. Simpson's Forensic Medicine. 13th edition, London: Hodder Arnold, 2011.
BARTLEY, G. P. Traffic Accidents: Causes and Outcomes. New York: Nova Publishers, 2008.
JENNY, C. Child Abuse and Neglect: Diagnosis, Treatment and Evidence. Cambridge: Elsevier, 2010.

Course language:
English

Notes:
Maximum class size is 20 students.

Course assessment
Total number of assessed students: 10

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	90.0	10.0	0.0	0.0	0.0	0.0

Provides: doc. MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Ingrid Nerantzakis, MUDr. Dorota Sopková, PhD.

Date of last modification: 21.07.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UPZMV/HP-GM/10	**Course name:** Health Psychology

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 7.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 203

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
29.56	35.96	18.72	3.45	0.49	0.49	11.33

Provides: Mgr. Peter Kolarčik, PhD., Mgr. Daniela Fiľakovská, PhD., doc. Mgr. Zuzana Dankulincová, PhD., Mgr. Jana Holubčíková, PhD., Mgr. Daniela Husárová, PhD., Mgr. Jaroslava Kopčáková, PhD., Mgr. Laura Bittó Urbanová, PhDr. Ivana Skoumalová

Date of last modification: 31.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UHE/ HE-GM1/13	**Course name:** Histology and Embryology 1

Course type, scope and the method:
Course type: Lecture / Practice / Controlled study hour
Recommended course-load (hours):
Per week: 2 / 3 / 1 **Per study period:** 28 / 42 / 14
Course method: present

Number of ECTS credits: 5

Recommended semester/trimester of the course: 2.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Requirements for completion of subject:
1. Student has to attend all practical lessons (100%) and minimally 70% of the lectures.
2. Limits to pass the subject Histology and Embryology 1:
control tests during practical classes – average minimum 60%
semestral slide test – minimum 60% of each slide
semestral written test – minimum 60%
If these conditions are not completed the student is evaluated - Fx

Learning outcomes:
The student gains knowledge about the microscopic structure and function of the cells and tissues within living human organism. This serves as the base for studying pathology and pathophysiology. Cells and tissues are studied practically by the light microscope.
Embryology 1 is concerned with basic principles of early human development.

Brief outline of the course:
Histologic technic; Cytology; Epithelial tissue; Connective tissue proper; Cartilage; Bone; Ossification; Blood - hemopoiesis and bone marrow; Muscle tissue; Nervous tissue; Embryology - blastogenesis, early organogenesis.

Recommended literature:
1. Basic histology (Junqueira, 2013)
2. Functional histology (Adamkov, 2011)
3. Netters functional histology (Ovalle, Nahirney, 2013)
4. Wheater´s Functional histology, Text and Color Atlas (B. Young, G. O´Dowd, 2014)
5. Before we are born (Moore, 2013)

Course language:
English

Notes:

Course assessment
Total number of assessed students: 5540

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
38.27	1.23	4.62	9.64	14.12	22.42	9.71

Provides: prof. MUDr. Eva Mechírová, CSc., doc. MVDr. Iveta Domoráková, PhD., doc. MVDr. Jarmila Veselá, CSc., doc. MVDr. Štefan Tóth, PhD., MVDr. Zuzana Fagová, PhD., MUDr. Alexandra Kunová

Date of last modification: 06.05.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UHE/HE-GM2/17	**Course name:** Histology and Embryology 2

Course type, scope and the method:
Course type: Lecture / Practice / Controlled study hour
Recommended course-load (hours):
Per week: 2 / 4 / 1 **Per study period:** 28 / 56 / 14
Course method: present

Number of ECTS credits: 7

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities: UHE/HE-GM1/13

Conditions for course completion:
Requirements of HE2 during semester:
1. Student has to attend all practical lessons (100%).
2. Control tests – average minimum 60%
3. Final slide test (three slides) in 14th week of semester - each slide minimally 60%.
Final exam of HE2 consists of 2 parts:
A. Final written test - minimum 60% to continue to the final oral exam.
B. Final oral exam - three questions – evaluation for each minimally 60%:
a) cytology and tissues
b) microscopic anatomy
c) embryology
Teaching is by presence and by distance.

Learning outcomes:
The student gains knowledge about the microscopic structure and function of the cells, tissues, organs and organ systems within living human organism. This serves as the base for studying pathology and pathophysiology. The microscopic structure of the organs are studied practically by the light microscope.
Embryology II. is concerned with basic principles of early human development, organogenesis and malformations during prenatal development.
Prerequisite for pathological anatomy.

Brief outline of the course:
Cardiovascular system, Lymphoid system, Digestive system, Respiratory system, Urinary system, Male and Female reproductive systems, Endocrine and Nervous system, Skin, Sense organs. Embryology II. - organogenesis.

Recommended literature:
1. Basic histology (Junqueira, 2013)
2. Functional histology (Adamkov; 2011, 2016)
3. Netters functional histology (Ovalle, Nahirney, 2013)
4. Wheater´s Functional histology, Text and Color Atlas (B.Young, G. O´Dowd, 2014)
5. Before we are born (Moore; 2013, 2016)

Course language:
English

Notes:

Course assessment
Total number of assessed students: 2756

A	B	C	D	E	FX
5.22	7.26	15.02	17.42	26.49	28.59

Provides: prof. MUDr. Eva Mechírová, CSc., doc. MVDr. Iveta Domoráková, PhD., doc. MVDr. Štefan Tóth, PhD., MVDr. Zuzana Fagová, PhD., MUDr. Alexandra Kunová

Date of last modification: 06.05.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULI/ HIS-GM/17	**Course name:** Hospital Information System

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 5.

Course level: I.II.

Prerequisities: ULI/MInf-GM/09

Conditions for course completion:
1. 100% and active attendance.
2. Min. 60% from each test during the term.
3. Elaboration of all given classworks.
4. Final exam.

Learning outcomes:
The main aim is to manage work with the real hospital information system. Students should understand principles of electronic health records, to know how to organize patients administration using individual modules of information system and to understand flow of information across the hospital departments and clinics.

Brief outline of the course:
Basics of hospital information systems. Parts of complex HIS (modules), access rights, interface description. Communication between users of HIS. Central register, Central card. Module of Outpatient clinic, creation of new outpatient clinic card, entry examination, anamnesis, emergency data set, score schemes, examination requests and orders, waiting room, outpatient clinic examination, consilium report, dispensatory treatment. Module of Hospital departments, administrative acceptance of patient for hospitalisation, entry examination, organisation of patients in rooms and beds, creation of health care records, displacement of patients in and between hospital departments, administrative discharge of hospitalised patients, final report. Gynaecological and maternity department. Module of Intensive Care Units. Module of Surgery departments. HIS for nurses and caregivers.

Recommended literature:
1. Majerník J., Kotlárová K.: Medicínska informatika 2 - Nemocničný informačný systém, UPJŠ, Košice 2010, Equilibria, ISBN 978-80-7097-812-2.
2. Majerník J., Švída M., Majerníková Ž.: Medicínska informatika, UPJŠ, Košice 2010, Equilibria, ISBN 978-80-7097-811-5.
3. Notes from exercises and manuals of hospital information systems.

Course language:
english

Notes:

Course assessment
Total number of assessed students: 136

A	B	C	D	E	FX
50.0	28.68	9.56	3.68	2.21	5.88

Provides: doc. Ing. Jaroslav Majerník, PhD.

Date of last modification: 17.05.2017

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UVZH/ H-GM/18	**Course name:** Hygiene

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 2 **Per study period:** 14 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 7.

Course level: I.II.

Prerequisities: UFZ/Ph-GM2/14

Conditions for course completion:
Attendance at practical lesson and seminars and accepted correct report on measurement, preparation and presentation of seminar thematic topic.
Duty attendance minimum 20 % at lectures.
The final exam in the written form- at least 64 % to pass the exam.

Learning outcomes:
Students will acquire knowledge about patterns of factors resulting from living and working environment, the impact of the different lifestyle factors on health, health promotion, health protection principles, population health and will receive the knowledge through addressing preventive measures.

Brief outline of the course:
Primary prevention in health care of the population. Primary, secondary and tertiary prevention, risk factors of chronic non-infectious diseases (cardiovascular, cancer, mental, metabolic, accidents, chronic respiratory, etc.). State health supervision, its meaning, structure of governmental service for public health, public health institutes. Public health service in Slovakia. Principles for evaluating health risks in living and working environment. Impact of factors resulting from environmental health. Environmental health, air quality, air contaminants effect on the health. Water its quality and its impact on health. Essential nutrients, their importance and the daily intake, rational nutrition. Food hygiene, principles of food control, contaminants in food. Occupational hygiene, health in the workplace, distribution and influence of factors from working conditions and occupational environment on health (physical, chemical, biological, ergonomic, specific, unspecific, hazardous work). Hygiene and sanitary in health care facilities. Effect of ionizing and non-ionizing radiation on health, protection of the population. Hygienic problems of housing and urbanization. Hygiene of children and youth. Growth and development of children, their health determinants, depending on the environment. Practical and theoretical principles in design, implementation and monitoring of population-based studies determinants of health. Practical visit of selected departments.

Recommended literature:
1. RIMÁROVÁ, K.: Environmental medicine – hygiene. Košice, Univerzita Pavla Jozefa Šafárika v Košiciach, 2006. - 148 s. - ISBN 80-7097-646-2.

2. RIMÁROVÁ, K.: Compendium of Hygiene. Košice, Univerzita Pavla Jozefa Šafárika, 2014. - 210 s. - ISBN 9788081521676 (brož.). 3. KOLARZYK, E.: Selected topics on hygiene and human ecology. Edited by http://www.e-nujag.cm-uj.krakow.pl/materialy/higiena/main.pdf

Course language:

Notes:

Course assessment
Total number of assessed students: 1661

A	B	C	D	E	FX
7.28	14.93	20.29	28.72	26.31	2.47

Provides: doc. MUDr. Kvetoslava Rimárová, CSc., mim.prof., prof. MVDr. Tatiana Kimáková, PhD., Ing. Viera Lovayová, PhD.

Date of last modification: 14.03.2018

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KICM/ IFM-GM/19	**Course name:** Infectology

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 3 **Per study period:** 14 / 42
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: IK/IM-GM3/17

Conditions for course completion:

Learning outcomes:
Epidemiological aspects and basic diagnostics of infectious diseases, the basic principles of antiinfectious treatment, current problems of infectology in the 21st century.

Brief outline of the course:
The nature of infectious diseases, principles of diagnosis. Intestinal infections. Viral hepatitis. Respiratory infections. Neuroinfections. HIV / AIDS. Anti-infective therapy. Exanthematous diseases. Differential diagnosis of fever of unknown origin.

Recommended literature:
Mandell G.L., Douglas R.G., Bennett J.E., Dolin R., Principles and practise of infectious diseases. 8th edithion, 2015. P. 3904. ISBN 9781455748013
Mandal B. K., Wilkins E.G.L, Dunbar E.M., Mayon-White R.T., Infectious diseases . Fifth edition, 1997.
ISBN 0-632-03351-7
John E. Bennett, Raphael Dolin, Martin J. Blaser, Mandell, Douglas and Bennett's Infectious Disease Essentials (Principles and Practice of Infectious Diseases) 1st Edition, Elsevier, 2017

Course language:

Notes:

Course assessment
Total number of assessed students: 1201

A	B	C	D	E	FX
48.54	22.98	13.41	6.83	7.08	1.17

Provides: prof. MUDr. Ivan Schréter, CSc., prof. MUDr. Pavol Jarčuška, PhD., doc. MUDr. Pavol Kristian, PhD., MUDr. Martin Novotný, PhD., doc. MUDr. Zuzana Paraličová, PhD., MUDr. Alena Rovňáková

Date of last modification: 26.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: IK/IM-SS-GM/18	**Course name:** Internal Medicine

Course type, scope and the method:
Course type:
Recommended course-load (hours):
Per week: Per study period:
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 11., 12..

Course level: I.II.

Prerequisities: IK/IM-GM6/21,IK/CIM-GM/18,KVL Šaca/CGM-GM/18,UFR/PM-GM2/17,1. PK/PT-GM2/18,1. KAIM/AIM-GM/20,ULCHBKB/CB-GM/18,KICM/IFM-GM/19

Conditions for course completion:
1. For successful completion of the practical exercises/seminars is required:
- To participate at all of practical exercises, theoretical and practical performance of all exercises/seminars.
- To get at least 60 % of total score for ongoing review of written test /60 questions/ and of the theoretical training to practical exercises.
- Two absences are allowed /justified/
2. For successful obtained of the credits from subject is necessary:
- To gain the credit from practical exercises (paragraph 1 above).
- Examining of the patient, dg., dif. dg., treatment
- Evaluation: Study rules of procedure UPJŠ in Košice, the Faculty of Medicine, Par II, Art13
- Students attending IM 6 abroad must complete a practical part of the exam including a test no later than 10 days prior to the final state examination in the original study group
- The final classification includes the evaluation of the written test and the results obtained in practical exercises
- To the state exam bring the student´s book with the appreciation
Education can alternatively by conducted in a distant mode. The teachers will communicate with students by email, skype or other teleconference applications.
1. The presence of the students at individual practices will be recorded by their teachers.
2. Teachers will assign the tasks to students in the form of essays and solving case reports.
3. Knowledge assessment will be carried out by a distance test.
4. Completion of the course will be evaluated on the basis of the records of presence, written assignments and test results.

Learning outcomes:
Graduate acquires knowledge in accordance with the profile of the graduating general medicine

Brief outline of the course:

1. Methods of investigation in cardiology
2. Cardiac arrhytmias
3. Coronary heart disease
4. Acute myocardial infarction
5. Congestive heart failure
6. Acute pulmonary embolism
7. Rheumatic fever
8. Endocarditis
9. Myocarditis
10. Pericarditis
11. Mitral stenosis and regurgitation
12. Aortic stenosis and regurgitation
13. Atherosclerosis
14. Systemic hypertension
15. Secondary hypertension
16. Syncope
17. Shock
18. Cardiomyopathy
19. Chronic pulmonary heart disease
20. Peripheral vascular disease
21. Methods of investigation in pneumology
22. Chronic obstructive pulmonary disease
23. Diffuse interstitial lung disorders
24. Bronchial asthma
25. Pneumonias
26. Respiratory failure
27. Tumours of the respiratory tract
28. Tuberculosis
29. Disorders of the pleura
30. Mediastinal lesions
31. Differential diagnosis of dyspnea
32. Methods of investigation in nephrology
33. Acute glomerulonephritis
34. Chronic glomerulonephritis
35. Tubulo-interstitial nephritis
36. Nephrotic syndrom
37. Acute renal failure
38. Chronic renal failure
39. Tumours of the kidney
40. Nephrolithiasis.Cystic renal disease
41. Methods of investigation in gastroenterology
42. Methods of investigation in liver, biliary tract disease
43. Methods of investigation in pancreas
44. Diseases of the oesophagus
45. Gastritis-acute and chronic
46. Peptic ulcer disease
47. Gastric tumours
48. Acute and chronic gastrointestinal bleeding

49. Inflammatory bowel disease
50. Malabsorption
51. Tumours of the small intestine and colonic tumours
52. Chronic hepatitis
53. Liver cirrhosis
54. Liver failure
55. The differential diagnosis of jaundice
56. Alcoholic liver disease
57. Tumours of the liver and biliary tract
58. Diseases of the gallbladder and biliary tract
59. Acute pancreatitis
60. Chronic pancreatitis
61. Acute states in gastroenterology
62. Investigation methods in thyreology
63. Investigation methods of adrenal gland diseases
64. Pituitary tumours. Hyperpituitarism
65. Hypopituitarism
66. Goitre, thyroid tumours
67. Hyperthyroidism
68. Addison disease
69. Cushings syndrome
70. Hypothyroidism
71. Disorders of male reproduction
72. Disorders of female reproduction
73. Diabetes mellitus-classification, diagnosis, symptoms
74. Treatment of diabetes
75. Acute complications of diabetes mellitus
76. Investigations in hematology
77. Anaemias-classification and differential diagnosis
78. Microcytic aneamias
79. Macrocytic aneamias
80. Haemolytic aneamias
81. Myeloproliferative disorders
82. Blood transfusion
83. Bleeding disorders
84. Vein thrombosis
85. Acute leukemias
86. Myelodysplastic syndromes
87. The lymphomas
88. Monoclonal gamapaties
89. Aplastic anaemia
90. The spleen
91. Rheumatoid arthritis
92. Connective tissue disorders: Sclerodermia, Sjögren syndrome, Dermatomyositis
93. Seronegative spondylarthritis
94. Systemic lupus erythematosus
95. Differential diagnosis of chest pain
96. Osteoporosis
97. Fever of unknown origin, septicaemia

98. Acute and chronic poisoning-general principales of managment
99. Drug poisoning /paracetamol, salicylates, NSA/
100. Drogs poisoning
101. Mushrooms poisoning
102. Disorders of lipid metabolism
103. Back pain-differential diagnosis
104.Antibiotics-classification, indications, adverse reactions
105. Disorders of acid – base balance
106. Disorders of water and electrolytes
107. Clinical genetics in internal medicine
108. Immunomodulatory treatment
109. Cardiopulmonary resuscitiation
110. Paraneoplastic syndromes
111. Vitamins deficiencies
112. Diabetes insipidus.
113. Primary hyperaldosteronism
114. Pheochromocytoma
115. Vasculitis -classification. Polyartheritis nodosa
116. Obesity
117. Immunodeficiency states

Recommended literature:
Kumar and Clark: Clinical Medicine 10th Edition, ELSEVIER 2020 Kasper D, Fauci A.: Harrison s principles of Internal medicine, 20 ed 2017

Course language:

Notes:

Course assessment
Total number of assessed students: 993

A	B	C	D	E	FX
19.13	18.03	23.87	17.32	19.34	2.32

Provides:

Date of last modification: 05.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: IK/IP-GM/15	**Course name:** Internal Medicine - Propedeutics

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 5

Recommended semester/trimester of the course: 5.

Course level: I.II.

Prerequisities: UA/A-GM2/14,UFZ/Ph-GM1/17

Conditions for course completion:
1. For successful completion of the practical exercises/seminars is required:
- To participate at all of practical exercises, theoretical and practical performance of all exercises/seminars,it is possible to complete practical exercises in the Center for Simulator Teaching
- To get at least 60 % of total score for ongoing review of written test /30 questions/ and the theoretical training to practical exercises.
- Two absences are allowed /justified/
2. For successful obtained of the credits from subject is necessary:
- To gain the credit from practical exercises (paragraph 1 above).
- The final exam consists of oral parts
- Evaluation: Study rules of procedure UPJŠ in Košice, the Faculty of Medicine, Part II, Art13
- The final classification includes the evaluation of the written test and the results obtained in practical exercises
- To the exam bring the student´s book with the appreciation /patient/
- Conditions for preterm – teacher´s recommendation, achievement of 27 points from 30 questions test
Education can alternatively by conducted in a distant mode. The teachers will communicate with students by email, skype or other teleconference applications.
1. The presence of the students at individual practices will be recorded by their teachers.
2. Teachers will assign the tasks to students in the form of essays and solving case reports.
3. Knowledge assessment will be carried out by a distance test.
4. Completion of the course will be evaluated on the basis of the records of presence, written assignments and test results.

Learning outcomes:
Basic clinical nomenclature, evaluation of anamnestic data and physical examination in internal medicine. Evaluation of basic auxiliary examination methods.

Brief outline of the course:

Introduction to clinical medicine. History taking .Inspection – part II, physical examination of the head and neck . Palpation – part I. Palpation of the chest (lung and heart), physiological and pathological findings. Measurement of blood pressure.Palpation – part II. Palpation of the abdomen, physical examination of ascites. Palpation of the peripheral vessels, examination of the pulse.Percussion. Percusion of the lung, heart and abdomen – physiology and pathology.Auscultation of the lung – physiological and pathological findings. Main symptoms in most frequent diseases (bronchitis, asthma, pneumothorax, pneumonia and pleuritis.Auscultation of the heart. Heart sounds and murmurs.Auscultation findings in most frequent valvular diseases /.Principles of clinical electrocardiography, normal ECG, pathologic changes, myocardial hypertrophy, electrolyte disturbances.ECG – coronary heart disease, acute myocardial infarction, pulmonary embolism,
pulmonary heart disease, myocarditis, pericarditis. ECG – arrhythmias .X-ray in Internal Medicine.
The current timetable for a given term is published on the electronic bulletin board of the course in AiS2 or on the clinic's website.

Topics :

1. History taking – The history of presenting complaints
2. History taking – Previous medical history
3. History taking – Family history
4. History taking – Social and travelling history
5. The symptoms and signs of gastrointestinal diseases
6. The symptoms and sings of cardiac diseases
7. The symptoms and sings of diseases of peripheral arteries and veins
8. The symptoms and sings of the respiratory diseases
9. The symptoms and sings of kidney and bladder diseases
10. The symptoms and sings of the hematological diseases
11. The symptoms and sings of rheumatic disorders
12. Symptoms and signs of endocrine disorders
13. The symptoms and sings of the allergy
14. First impression
15. Mobility and posture
16. Physical examination of the head
17. Physical examination of the skin
18. Physical examination of the mouth
19. Physical examination of the neck
20. Facial appearance
21. Jaundice
22. Cyanosis
23. Dyspnea – main causes and physical examination
24. Hemoptoe and hemoptysis
25. Physical examination of the heart (heart sounds)
26. Physical examination of the chest (inspection, palpation, auscultation and percussion of the lung
27. Physical examination of the abdomen – inspection, palpation, percussion,
auscultation
28. Heart murmurs
29. Physical examination of the unconscious or poorly responsive patient
30. Physical examination of the spine and joints
31. Measurement of blood pessure, examination of pulse
32. Body temperature and fever

33. The physical sings in some respiratory disorders / pleural effusion, pneumothorax, bronchial asthma /
34. Aortic stenosis and regurgitation
35. Mitral stenosis and regurgitation
36. ECG – basic principles
37. ECG – hypertrophy of the left and right ventricles
38. Pneumonia, acute and chronic bronchitis, emphysema –physical examination
39. ECG – acute pulmonary embolism, pericarditis, electrolyte disturbances
40. ECG – supraventricular arrythmias
41. ECG - ventricular arrythmias
42. ECG – coronary heart disease, acute myocardial infarction
43. Diagnostic and therapeutic punctions
44. X-ray methods in internal medicine /chest, investigations with contrast agents/
45. Palpation of the liver and spleen

Recommended literature:

1. Chrobák L, Grall T, Kvasnička J. Physical examination in Internal Medicine, 1997, GRADA Publishing.
2. P.J. Toghill: Examining Patients. An Intoduction to Clinical Medicine, 1993

Course language:

english

Notes:

The subject Internal propeadeutics is provided only in the winter term.

Course assessment

Total number of assessed students: 2012

A	B	C	D	E	FX
16.9	23.91	23.36	14.02	17.2	4.62

Provides: prof. MUDr. Peter Mitro, PhD., prof. MUDr. Gabriel Valočik, PhD., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, prof. MUDr. Daniel Pella, PhD., doc. MUDr. Jozef Gonsorčík, CSc., prof. MUDr. Ľubomír Legáth, PhD., doc. MUDr. Ivana Valočiková, PhD., doc. MUDr. Pavol Joppa, PhD., MUDr. Marek Varga, PhD., prof. MUDr. Želmíra Macejová, PhD., MPH, prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Jozef Pella, PhD., doc. MUDr. Eva Szabóová, PhD., doc. MUDr. Viola Vargová, PhD., prof. MUDr. Peter Jarčuška, PhD., MUDr. Miriam Kozárová, PhD., doc. MUDr. Norbert Lukán, PhD., MUDr. Alojz Rajnič, PhD., MUDr. Martin Javorský, PhD., doc. MUDr. Mária Rašiová, PhD., doc. MUDr. Martin Janičko, PhD., MUDr. Jana Deptová, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Ľubomír Tomáš, PhD., MUDr. Ivan Majerčák, doc. MUDr. Zbynek Schroner, PhD., doc. MUDr. Slavomír Perečinský, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Pavol Pobeha, PhD., MUDr. Ivana Gotthardová, PhD., MUDr. Zuzana Kozelová, PhD., MUDr. Eliška Fatľová, MUDr. Alexandra Lisovszki, MUDr. Veronika Koňaková, MUDr. Mgr. Ivana Jochmanová, PhD., MUDr. Štefan Sotak, PhD., MPH, MUDr. Ivana Trojová, MUDr. Ivana Paraničová, PhD., MUDr. Anna Hajduková, MUDr. Petra Senajová, doc. MUDr. Ján Fedačko, PhD., Mgr. MUDr. Štefan Tóth, MBA, PhD., MUDr. Katarína Demková, PhD., MUDr. Ľubomír Špak, MPH, MUDr. Monika Jankajová, PhD., MUDr. Stanislav Juhás, CSc., MUDr. Silvia Mišíková, PhD., MPH, doc. MUDr. Branislav Stančák, CSc., MUDr. Eduard Čurilla, PhD., MUDr. Pavol Murín, PhD., MUDr. Lucia Tomková, PhD., MUDr. Alina Putrya, MUDr. Anna Ürgeová, PhD., MUDr. Laura Gombošová, PhD., MUDr. Zora Lazúrová, MUDr. Alena Yaluri, PhD.

Date of last modification: 05.08.2021
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: IK/IM-GM1/16	**Course name:** Internal Medicine 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 3 / 3 **Per study period:** 42 / 42
Course method: present

Number of ECTS credits: 5

Recommended semester/trimester of the course: 6.

Course level: I.II.

Prerequisities: UFZ/Ph-GM2/14,IK/IP-GM/15

Conditions for course completion:
1. For successful completion of the practical exercises/seminars is required:
- To participate at all of practical exercises, theoretical and practical performance of all exercises/seminars,it is possible to complete practical exercises in the Center for Simulator Teaching
- To get at least 60 % of total score for ongoing review of written test and the theoretical training to practical exercises.
- Two absences are allowed /justified/
2. For successful obtained of the credits from subject is necessary:
- To gain the credit from practical exercises (paragraph 1 above).
- Evaluation: Study rules of procedure UPJŠ in Košice, the Faculty of Medicine, Part II, Art13
- The final classification includes the evaluation of the written test and the results obtained in practical exercises
Education can alternatively by conducted in a distant mode. The teachers will communicate with students by email, skype or other teleconference applications.
1. The presence of the students at individual practices will be recorded by their teachers.
2. Teachers will assign the tasks to students in the form of essays and solving case reports.
3. Knowledge assessment will be carried out by a distance test.
4. Completion of the course will be evaluated on the basis of the records of presence, written assignments and test results.

Learning outcomes:
Gain basic theoretical knowledge of cardiology and pneumology, get acquainted with the examination procedures used in these diseases. .

Brief outline of the course:
Coronary heart disease- diagnosis and treatment.Myocardial infarction – clinical features, diagnosis and treatment .Endocarditis, myocarditis and pericarditis – dif. diagnosis and treatment.
Heart failure .Arrhythmias I. Arrhythmias II .Angiology. Peripheral vascular diseases

Acute and chronic cor pulmonale. Thromboembolic disease .Arterial hypertension Syncope. Shock .Echocardiography.Secondary hypertension.Cardiomyopathy.Tuberculosis Chronic obstructive pulmonary disease. Chronic respiratory insuficiency.Inflammatory lung diseases. Investigation methods in pneumology.Bronchogenic carcinoma, other lung tumours Bronchial asthma – diagnosis and treatment .Interstitial lung diseases.
The current timetable for a given term is published on the electronic bulletin board of the course in AiS2 or on the clinic's website.

Recommended literature:
Kumar and Clark: Clinical Medicine 10th Edition, ELSEVIER 2020
Kasper D, Fauci A.: Harrison s principles of Internal medicine, 20 ed 2017

Course language:

Notes:
The course Internal Medicine 1 is provided only in the summer term.

Course assessment
Total number of assessed students: 1863

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
40.37	40.74	10.36	4.29	1.77	2.25	0.21

Provides: prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, prof. MUDr. Daniel Pella, PhD., prof. MUDr. Gabriel Valočik, PhD., prof. MUDr. Peter Mitro, PhD., doc. MUDr. Jozef Gonsorčík, CSc., doc. MUDr. Branislav Stančák, CSc., doc. MUDr. Pavol Joppa, PhD., prof. MUDr. Želmíra Macejová, PhD., MPH, prof. MUDr. Jozef Pella, PhD., doc. MUDr. Viola Vargová, PhD., prof. MUDr. Ľubomír Legáth, PhD., doc. MUDr. Ivana Valočiková, PhD., prof. MUDr. Peter Jarčuška, PhD., doc. MUDr. Eva Szabóová, PhD., doc. MUDr. Norbert Lukán, PhD., doc. MUDr. Zbynek Schroner, PhD., MUDr. Miriam Kozárová, PhD., MUDr. Ivan Majerčák, MUDr. Zuzana Kuklišová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Alojz Rajnič, PhD., MUDr. Martin Javorský, PhD., MUDr. Marek Varga, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Ivana Gotthardová, PhD., MUDr. Alexandra Lisovszki, MUDr. Zuzana Kozelová, PhD., doc. MUDr. Mária Rašiová, PhD., MUDr. Katarína Demková, PhD., MUDr. Ivana Trojová, doc. MUDr. Ján Fedačko, PhD., Mgr. MUDr. Štefan Tóth, MBA, PhD., MUDr. Miloš Šimurda, PhD., doc. MUDr. Marián Sninčák, CSc., MUDr. Lucia Tomková, PhD., MUDr. Alina Putrya, MUDr. Simona Ujházi, PhD., MUDr. Peter Gášpár, MUDr. Mikuláš Huňavý, PhD., MUDr. Monika Jankajová, PhD., MUDr. Stanislav Juhás, CSc., MUDr. Alžbeta Kollárová, MUDr. Lucia Kubíková, PhD., MUDr. Silvia Mišíková, PhD., MPH, MUDr. Pavol Murín, PhD., MUDr. Andrea Kirschová, MUDr. Dominik Pella, PhD., MUDr. Marek Hudák, PhD., MUDr. Alexander Bohó, PhD., MUDr. Laura Gombošová, PhD., MUDr. Anna Ürgeová, PhD., MUDr. Mgr. Ivana Jochmanová, PhD., MUDr. Jaroslav Rosenberger, PhD., MUDr. Zora Lazúrová, MUDr. Jana Figurová, PhD., MUDr. Alena Yaluri, PhD., MUDr. Martin Ihnatko

Date of last modification: 05.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: IK/IM-GM2/19	**Course name:** Internal Medicine 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 3 **Per study period:** 28 / 42
Course method: present

Number of ECTS credits: 5

Recommended semester/trimester of the course: 7.

Course level: I.II.

Prerequisities: IK/IM-GM1/16

Conditions for course completion:
1. For successful completion of the practical exercises/seminars is required:
- To participate at all of practical exercises, theoretical and practical performance of all exercises/seminars,it is possible to complete practical exercises in the Center for Simulator Teaching
- To get at least 60 % of total score for ongoing review of written test and the theoretical training to practical exercises.
- Two absences are allowed /justified/
2. For successful obtained of the credits from subject is necessary:
- To gain the credit from practical exercises (paragraph 1 above).
- Evaluation: Study rules of procedure UPJŠ in Košice, the Faculty of Medicine, Part II, Art13
- The final classification includes the evaluation of the written test and the results obtained in practical exercises
Education can alternatively by conducted in a distant mode. The teachers will communicate with students by email, skype or other teleconference applications.
1. The presence of the students at individual practices will be recorded by their teachers.
2. Teachers will assign the tasks to students in the form of essays and solving case reports.
3. Knowledge assessment will be carried out by a distance test.
4. Completion of the course will be evaluated on the basis of the records of presence, written assignments and test results.

Learning outcomes:
Gain basic theoretical knowledge of endocrinology, diabetology and hematology, get acquainted with the examination procedures used in these diseases.

Brief outline of the course:
Investigation methods in endocrinology.Hypothalamus – pituitary axis. and its disorders. Male and female reproductive endocrinology.Thyroid gland.Parathyroid glands. Differential diagnosis of

hypercalcemia and hypocalcemia.Adrenal glands.Diabetes mellitus – classification, diagnosis and complications .Diabetes mellitus – new trends in the treatment.Disorders of the lipid metabolism Investigation methods in hematology .Anemias – differential diagnosis and treatment Myelodysplastic syndrome. Acute leucemias.Myeloproliferative disorders.Multiple myeloma. Monoclonal gamapaties – differential diagnosis.
The current timetable for a given term is published on the electronic bulletin board of the course in AiS2 or on the clinic's website.

Recommended literature:
Kumar and Clark: Clinical Medicine 10th Edition, ELSEVIER 2020
Kasper D, Fauci A.: Harrison s principles of Internal medicine, 20 ed 2017

Course language:
english

Notes:
The course Internal Medicine 2 is provided only in the winter term.

Course assessment
Total number of assessed students: 1481

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
37.14	42.2	10.6	5.06	2.09	2.9	0.0

Provides: prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, doc. MUDr. Eva Szabóová, PhD., prof. MUDr. Želmíra Macejová, PhD., MPH, prof. MUDr. Jozef Pella, PhD., prof. MUDr. Peter Mitro, PhD., prof. MUDr. Gabriel Valočik, PhD., prof. MUDr. Štefan Koval, PhD., doc. MUDr. Ivana Valočiková, PhD., doc. MUDr. Jozef Gonsorčík, CSc., doc. MUDr. Viola Vargová, PhD., prof. MUDr. Ľubomír Legáth, PhD., prof. MUDr. Peter Jarčuška, PhD., doc. MUDr. Zbynek Schroner, PhD., doc. MUDr. Norbert Lukán, PhD., MUDr. Marek Varga, PhD., doc. MUDr. Pavol Joppa, PhD., MUDr. Martin Javorský, PhD., MUDr. Alojz Rajnič, PhD., MUDr. Ivan Majerčák, doc. MUDr. Ingrid Dravecká, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Miriam Kozárová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Lucia Tomková, PhD., doc. MUDr. Martin Janičko, PhD., MUDr. Ľubomír Tomáš, PhD., MUDr. Lucia Vaszilyová, PhD., MUDr. Eliška Fatľová, MUDr. Ivana Gotthardová, PhD., MUDr. Alexandra Lisovszki, MUDr. Zuzana Kozelová, PhD., doc. MUDr. Mária Rašiová, PhD., MUDr. Ivana Trojová, Mgr. MUDr. Štefan Tóth, MBA, PhD., MUDr. Alina Putrya, MUDr. Anna Ürgeová, PhD., MUDr. Katarína Demková, PhD., MUDr. Jana Deptová, PhD., MUDr. Jaroslav Rosenberger, PhD., MUDr. Laura Gombošová, PhD., MUDr. Mgr. Ivana Jochmanová, PhD., MUDr. Zora Lazúrová, MUDr. Alena Yaluri, PhD., MUDr. Martin Ihnatko, MUDr. Jana Figurová, PhD.

Date of last modification: 05.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: IK/IM-GM3/17	**Course name:** Internal Medicine 3

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 3 / 3 **Per study period:** 42 / 42
Course method: present

Number of ECTS credits: 5

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisities: IK/IM-GM2/19

Conditions for course completion:
1. For successful completion of the practical exercises/seminars is required:
- To participate at all of practical exercises, theoretical and practical performance of all exercises/seminars,it is possible to complete practical exercises in the Center for Simulator Teaching
- To get at least 60 % of total score for ongoing review of written test and the theoretical training to practical exercises.
- Two absences are allowed /justified/
2. For successful obtained of the credits from subject is necessary:
- To gain the credit from practical exercises (paragraph 1 above).
- Evaluation: Study rules of procedure UPJŠ in Košice, the Faculty of Medicine, Part II, Art13
- The final classification includes the evaluation of the written test and the results obtained in practical exercises
Education can alternatively by conducted in a distant mode. The teachers will communicate with students by email, skype or other teleconference applications.
1. The presence of the students at individual practices will be recorded by their teachers.
2. Teachers will assign the tasks to students in the form of essays and solving case reports.
3. Knowledge assessment will be carried out by a distance test.
4. Completion of the course will be evaluated on the basis of the records of presence, written assignments and test results.

Learning outcomes:
Complete examination and differential diagnosis of a patient with disorders of hematopoesis and lymphatic system, gastrointestinal tract.

Brief outline of the course:
Anticoagulation and fibrinolytic therapy .Lymphproliferative disorders .Multiple myeloma. Monoclonal gamapaties - dif.dg.Anticoagulation and fibrinolytic therapy

Blood transfusion.Haemostasis and its disorders .Investigation methods in gastroenterology and hepatology .Diseases of the oesophagus.Disorders of the stomach and doudenum.Disorders of the small bowel. Malabsorption.
Inflammatory bowel diseases.Tumours of the small and large bowel.The Pancreas
Disorders of the gallbladder and biliary tract .Chronic hepatitis. Liver tumors
Acute states in gastroenterology.Metabolic and toxic liver involvement
Liver cirrhosis. Hepatic failure .Immunodeficiency. Immunomodulatory and immunosupressive treatment.Treatment with glucocorticoids.
The current timetable for a given term is published on the electronic bulletin board of the course in AiS2 or on the clinic's website.

Recommended literature:
Kumar and Clark: Clinical Medicine 10th Edition, ELSEVIER 2020
Kasper D, Fauci A.: Harrison s principles of Internal medicine, 20 ed 2017

Course language:
english

Notes:
The course Internal Medicine 3 is provided only in the winter term.

Course assessment
Total number of assessed students: 1440

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
36.67	45.42	11.6	2.99	1.25	2.01	0.07

Provides: doc. MUDr. Marián Sninčák, CSc., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, doc. MUDr. Ivana Valočiková, PhD., prof. MUDr. Peter Jarčuška, PhD., doc. MUDr. Norbert Lukán, PhD., MUDr. Eduard Veseliny, PhD., prof. MUDr. Želmíra Macejová, PhD., MPH, prof. MUDr. Daniel Pella, PhD., prof. MUDr. Štefan Koval, PhD., prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Peter Mitro, PhD., prof. MUDr. Jozef Pella, PhD., prof. MUDr. Gabriel Valočik, PhD., doc. MUDr. Jozef Gonsorčík, CSc., doc. MUDr. Eva Szabóová, PhD., prof. MUDr. Ľubomír Legáth, PhD., doc. MUDr. Viola Vargová, PhD., MUDr. Pavol Pobeha, PhD., doc. MUDr. Martin Janičko, PhD., doc. MUDr. Ján Fedačko, PhD., MUDr. Ivan Majerčák, MUDr. Martin Javorský, PhD., doc. MUDr. Zbynek Schroner, PhD., doc. MUDr. Pavol Joppa, PhD., MUDr. Miriam Kozárová, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Alojz Rajnič, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Marek Varga, PhD., MUDr. Ivana Gotthardová, PhD., doc. MUDr. Mária Rašiová, PhD., MUDr. Ivana Trojová, MUDr. Lucia Tomková, PhD., MUDr. Štefan Sotak, PhD., MPH, Mgr. MUDr. Štefan Tóth, MBA, PhD., MUDr. Alina Putrya, MUDr. Simona Ujházi, PhD., MUDr. Laura Gombošová, PhD., MUDr. Anna Ürgeová, PhD., MUDr. Katarína Demková, PhD., MUDr. Zuzana Kozelová, PhD., MUDr. Jaroslav Rosenberger, PhD., MUDr. Mgr. Ivana Jochmanová, PhD., MUDr. Zora Lazúrová, MUDr. Jana Figurová, PhD., MUDr. Alena Yaluri, PhD., MUDr. Marek Felšöci, PhD., MUDr. Martin Kučera, MUDr. Martin Ihnatko, MUDr. Juliana Gabzdilová, PhD., MUDr. Tomáš Guman, PhD.

Date of last modification: 05.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: IK/IM-GM4/19	**Course name:** Internal Medicine 4

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: IK/IM-GM3/17,ULCHBKB/MBCH-GM2/20

Conditions for course completion:
1. For successful completion of the practical exercises/seminars is required:
- To participate at all of practical exercises, theoretical and practical performance of all exercises/seminars,it is possible to complete practical exercises in the Center for Simulator Teaching
- To get at least 60 % of total score for ongoing review of written test or the theoretical training to practical exercises.
- Evaluation: Study rules of procedure UPJŠ in Košice, the Faculty of Medicine, Part II, Art13
2. For successful obtained of the credits from subject is necessary:
- To gain the credit from practical exercises (paragraph 1 above).
- The final exam is written in the form of the Rogo test
- It is necessary to bring student´s book to the exam with evidence of practical exercises.
- The final classification includes the evaluation of the written test and the results obtained in practical exercises
Education can alternatively by conducted in a distant mode. The teachers will communicate with students by email, skype or other teleconference applications.
1. The presence of the students at individual practices will be recorded by their teachers.
2. Teachers will assign the tasks to students in the form of essays and solving case reports.
3. Completion of the course will be evaluated on the basis of the records of presence a written assignments.

Learning outcomes:
Acquisition of examination and treatment methods of geriatric patients and with specific problems of gerontology, acquisition of diagnostic and treatment methods for occupational diseases and also the basics of diagnosis and treatment of some intoxications

Brief outline of the course:

Occupational Health.Poisoning /drugs, mushrooms, ethanol, methanol, CO/. Gerontology and geriatrics. Eating disorders.The acid-base balance .Sleep apnea syndrome .Gerontology and geriatry. Main problems.Basics of Clinical Geriatrics.Atherosclerosis – pathophysiology, clinical manifestations, treatment.Investigation methods in nephrology.Nephrotic syndrome. Differential diagnosis of proteinuria.Acute renal failure. Dialysis. Chronic renal failure. Kidney transplantation. Tubulointerstitial nephropathy. Nephrolithiasis.
The current timetable for a given term is published on the electronic bulletin board of the course in AiS2 or on the clinic's website.

Recommended literature:
Kumar and Clark: Clinical Medicine 10th Edition, ELSEVIER 2020
Kasper D, Fauci A.: Harrison s principles of Internal medicine, 20 ed 2017
Macejová Ž., Aljubouri A.: Selected rheumatology topics for medical students, Academic text book 2019

Course language:
english

Notes:
The subject Internal Medicine 4 is provided only in the winter term in block teaching.

Course assessment
Total number of assessed students: 364

A	B	C	D	E	FX
21.15	44.23	25.0	6.87	2.75	0.0

Provides: prof. MUDr. Želmíra Macejová, PhD., MPH, prof. MUDr. Ivica Lazúrová, DrSc., FRCP, doc. MUDr. Ivana Valočiková, PhD., prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Daniel Pella, PhD., prof. MUDr. Jozef Pella, PhD., prof. MUDr. Štefan Koval, PhD., prof. MUDr. Gabriel Valočik, PhD., prof. MUDr. Peter Mitro, PhD., doc. MUDr. Eva Szabóová, PhD., prof. MUDr. Ľubomír Legáth, PhD., prof. MUDr. Peter Jarčuška, PhD., doc. MUDr. Jozef Gonsorčík, CSc., doc. MUDr. Mária Rašiová, PhD., MUDr. Alojz Rajnič, PhD., doc. MUDr. Norbert Lukán, PhD., MUDr. Martin Javorský, PhD., MUDr. Miriam Kozárová, PhD., MUDr. Peter Horváth, doc. MUDr. Ján Fedačko, PhD., doc. MUDr. Martin Janičko, PhD., MUDr. Ľubomír Tomáš, PhD., MUDr. Marek Varga, PhD., MUDr. Ivan Majerčák, MUDr. Eduard Veseliny, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Ján Pobeha, doc. MUDr. Pavol Joppa, PhD., MUDr. Mária Štolfová, PhD., MUDr. Eliška Fatľová, MUDr. Ivana Gotthardová, PhD., MUDr. Alexandra Lisovszki, MUDr. Zuzana Kozelová, PhD., doc. MUDr. Marián Sninčák, CSc., MUDr. Štefan Sotak, PhD., MPH, doc. MUDr. Slavomír Perečinský, PhD., MUDr. Peter Olexa, PhD., MUDr. Anna Ürgeová, PhD., MUDr. Katarína Demková, PhD., MUDr. Laura Gombošová, PhD., MUDr. Zora Lazúrová, MUDr. Alena Yaluri, PhD.

Date of last modification: 06.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: IK/IM-GM5/18	**Course name:** Internal Medicine 5

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 2 **Per study period:** 14 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: IK/IM-GM3/17

Conditions for course completion:
1. For successful completion of the practical exercises/seminars is required:
- To participate at all of practical exercises, theoretical and practical performance of all exercises/seminars,it is possible to complete practical exercises in the Center for Simulator Teaching
- To get at least 60 % of total score for ongoing review of written test or the theoretical training to practical exercises.
- Evaluation: Study rules of procedure UPJŠ in Košice, the Faculty of Medicine, Part II, Art13
2. For successful obtained of the credits from subject is necessary:
- To gain the credit from practical exercises (paragraph 1 above).
- The final exam is written in the form of the Rogo test
- It is necessary to bring student´s book to the exam with evidence of practical exercises.
- The final classification includes the evaluation of the written test and the results obtained in practical exercises
Education can alternatively by conducted in a distant mode. The teachers will communicate with students by email, skype or other teleconference applications.
1. The presence of the students at individual practices will be recorded by their teachers.
2. Teachers will assign the tasks to students in the form of essays and solving case reports.
3. Completion of the course will be evaluated on the basis of the records of presence a written assignments.

Learning outcomes:
Diagnosis and treatment of rheumatic and renal diseases. Acquisition of examination and treatment methods in rheumatological and nephrological patients.

Brief outline of the course:
Glomerular diseases. Glomerulonephritis. Investigation methods in rheumatology, Rheumatoid arthritis,Spondylarthropaties. Metabolic /crystal/ induced

arthropaties. Vasculitis.Systemic connective tissue diseases : SLE, systemic sclerosis, dermatomyositis. Sjogren syndrome. Immunity. Autoimmunity. Imunodeficiency – hereditary, acquired. Allergy. Metabolic bone diseases. Fluid and electrolyte disorders .
The current timetable for a given term is published on the electronic bulletin board of the course in AiS2 or on the clinic's website.
Investigation methods in nephrology. Urinanalysis.Nephrotic syndrome. Differential diagnosis of proteinuria, dg., treatment of nephrotic syndrome.
Demonstration of patients with most frequent electrolyte disturbances. Hyponatremia – differential diagnosis and treatment. Hyper and hypokalemia – differential diagnosis, treatment.
Tubulointerstitial nephritis. Nephrolithiasis. Demonstration of patients. Investigations – i.v. urography, ultrasonography of the kidney.Acute kidney injury, causes, dif. dg., treatment.
Demonstration of patients with acute kidney injury (within limits).
Chronic kidney disease, dividing, main complications of CKD, treatment. Elimination therapy, demonstration of hemodialysis. Acute and chronic glomerulonephritis, dg., dif. dg., treatment. Demonstration within limits. Investigation methods in rheumatology
Rheumatoid arthritis. Demonstration of patients – symptoms, investigations, differential diagnosis, treatment.Demonstration of patients with connective tissue diseases. Vasculitis. Diagnosis, laboratory investigations, treatment.Demonstration of patients with connective tissue diseases. Vasculitis. Diagnosis, laboratory investigations, treatment.Osteoporosis and osteomalatia. Epidemiological importance, diagnosis, possibilities of treatment.

Recommended literature:
Kumar and Clark: Clinical Medicine 10th Edition, ELSEVIER 2020
Kasper D, Fauci A.: Harrison s principles of Internal medicine, 20 ed 2017
Macejová Ž., Aljubouri A.: Selected rheumatology topics for medical students, Academic text book 2019

Course language:
english

Notes:
The subject Internal Medicine 5 is provided only in the winter term in block teaching.

Course assessment
Total number of assessed students: 1222

A	B	C	D	E	FX
33.06	31.91	18.9	9.0	6.55	0.57

Provides: MUDr. Anna Dobrovičová, PhD., MUDr. Mgr. Ivana Jochmanová, PhD., MUDr. Anna Ürgeová, PhD., MUDr. Katarína Demková, PhD., MUDr. Ivana Gotthardová, PhD., MUDr. Martin Javorský, PhD., MUDr. Miriam Kozárová, PhD., MUDr. Zora Lazúrová, doc. MUDr. Norbert Lukán, PhD., MUDr. Zuzana Kozelová, PhD., MUDr. Alojz Rajnič, PhD., doc. MUDr. Mária Rašiová, PhD., prof. MUDr. Ivan Tkáč, PhD., doc. MUDr. Ivana Valočiková, PhD., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, MUDr. Alena Yaluri, PhD.

Date of last modification: 06.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: IK/IM-GM6/18	**Course name:** Internal Medicine 6

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 320s
Course method: present

Number of ECTS credits: 13

Recommended semester/trimester of the course: 11., 12..

Course level: I.II.

Prerequisities: IK/IM-GM5/18,IK/IM-GM4/19,NLK/NL-GM2/14

Conditions for course completion:
1. For successful completion of the practical exercises/seminars is required:
- To participate at all of practical exercises, theoretical and practical performance of all exercises/seminars,it is possible to complete practical exercises in the Center for Simulator Teaching
- To get at least 60 % of total score for ongoing review of written test /60 questions/ and of the theoretical training to practical exercises.
- Two absences are allowed /justified/
2. For successful obtained of the credits from subject is necessary:
- To gain the credit from practical exercises (paragraph 1 above).
- Examining of the patient, dg., dif. dg., treatment
- Evaluation: Study rules of procedure UPJŠ in Košice, the Faculty of Medicine, Par II, Art13
- Students attending IM 6 abroad must complete a practical part of the exam including a test no later than 10 days prior to the final state examination in the original study group
- The final classification includes the evaluation of the written test and the results obtained in practical exercises
- To the state exam bring the student´s book with the appreciation
Education can alternatively by conducted in a distant mode. The teachers will communicate with students by email, skype or other teleconference applications.
1. The presence of the students at individual practices will be recorded by their teachers.
2. Teachers will assign the tasks to students in the form of essays and solving case reports.
3. Knowledge assessment will be carried out by a distance test.
4. Completion of the course will be evaluated on the basis of the records of presence, written assignments and test results

Learning outcomes:

Problem-based teaching with a differential diagnostic approach to individual diseases within sub-disciplines and mastering the issue of acute conditions in individual sub-disciplines.

Brief outline of the course:
Differential diagnosis of chest pain . Immunodeficiency. Immunomodulatory and immunosupressive treatment. Poisoning (drugs, alcohol, mushroom).Differential diagnosis of jaundice.
Alcoholic liver disease .Paraneoplastic syndromes.Syncope. Shock.
The current timetable for a given term is published on the electronic bulletin board of the course in AiS2 or on the clinic's website.

Recommended literature:
Kumar and Clark: Clinical Medicine 10th Edition, ELSEVIER 2020
Kasper D, Fauci A.: Harrison s principles of Internal medicine, 20 ed 2017

Course language:
english

Notes:
The subject Internal Medicine 6 is provided in the winter and summer term in block teaching.

Course assessment
Total number of assessed students: 967

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
29.58	42.61	19.44	6.62	1.65	0.1	0.0

Provides: prof. MUDr. Peter Mitro, PhD., doc. MUDr. Ivana Valočiková, PhD., prof. MUDr. Peter Jarčuška, PhD., doc. MUDr. Norbert Lukán, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Ivan Majerčák, prof. MUDr. Želmíra Macejová, PhD., MPH, prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, prof. MUDr. Gabriel Valočik, PhD., prof. MUDr. Jozef Pella, PhD., prof. MUDr. Ľubomír Legáth, PhD., doc. MUDr. Viola Vargová, PhD., doc. MUDr. Jozef Gonsorčík, CSc., doc. MUDr. Eva Szabóová, PhD., MUDr. Ľubomír Tomáš, PhD., doc. MUDr. Ján Fedačko, PhD., doc. MUDr. Martin Janičko, PhD., MUDr. Miriam Kozárová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Marek Varga, PhD., MUDr. Alojz Rajnič, PhD., doc. MUDr. Pavol Joppa, PhD., MUDr. Martin Javorský, PhD., MUDr. Pavol Pobeha, PhD., MUDr. Lucia Tomková, PhD., Mgr. MUDr. Štefan Tóth, MBA, PhD., MUDr. Ivana Gotthardová, PhD., doc. MUDr. Mária Rašiová, PhD., MUDr. Ľubomír Špak, MPH, MUDr. Monika Jankajová, PhD., MUDr. Stanislav Juhás, CSc., MUDr. Silvia Mišíková, PhD., MPH, doc. MUDr. Branislav Stančák, CSc., MUDr. Ivana Trojová, MUDr. Pavol Murín, PhD., MUDr. Štefan Sotak, PhD., MPH, MUDr. Alina Putrya, MUDr. Simona Ujházi, PhD., MUDr. Anna Ürgeová, PhD., MUDr. Katarína Demková, PhD., MUDr. Zuzana Kozelová, PhD., MUDr. Laura Gombošová, PhD., MUDr. Jana Deptová, PhD., MUDr. Anna Dobrovičová, PhD., MUDr. Mgr. Ivana Jochmanová, PhD., MUDr. Zora Lazúrová, MUDr. Jana Figurová, PhD., MUDr. Alena Yaluri, PhD., MUDr. Marek Felšöci, PhD., MUDr. Martin Ihnatko

Date of last modification: 06.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULCHBKB/LDCP-GM/13	**Course name:** Laboratory Diagnosis in Clinical Practice

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 7.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 31

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
48.39	0.0	12.9	6.45	0.0	0.0	32.26

Provides: doc. RNDr. Miroslava Rabajdová, PhD., doc. RNDr. Marek Stupák, PhD., doc. RNDr. Vladimíra Tomečková, PhD., doc. Mgr. Peter Urban, PhD., Ing. Beáta Hubková, PhD., prof. Ing. Mária Mareková, CSc., RNDr. Jana Mašlanková, PhD., RNDr. Beáta Čižmárová, PhD.

Date of last modification: 23.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULCHBKB/MBCH-GM1/20	**Course name:** Medical Biochemistry 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 3 **Per study period:** 28 / 42
Course method: present

Number of ECTS credits: 5

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities: ULCHBKB/MCH-GM/18

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 2567

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
39.66	0.62	2.26	6.54	10.83	27.89	12.19

Provides: doc. RNDr. Marek Stupák, PhD., prof. Ing. Mária Mareková, CSc., doc. Mgr. Peter Urban, PhD., RNDr. Jana Mašlanková, PhD., Ing. Beáta Hubková, PhD., doc. RNDr. Miroslava Rabajdová, PhD., MUDr. Anna Birková, PhD., doc. RNDr. Vladimíra Tomečková, PhD., RNDr. Lukáš Smolko, PhD., doc. Ing. Katarína Dubayová, PhD., doc. RNDr. Janka Vašková, PhD.

Date of last modification: 24.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULCHBKB/MBCH-GM2/20	**Course name:** Medical Biochemistry 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 3 / 3 **Per study period:** 42 / 42
Course method: present

Number of ECTS credits: 7

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities: ULCHBKB/MBCH-GM1/20

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 2365

A	B	C	D	E	FX
3.0	4.27	9.81	17.84	45.41	19.66

Provides: RNDr. Lukáš Smolko, PhD., MUDr. Anna Birková, PhD., doc. Mgr. Peter Urban, PhD., doc. RNDr. Janka Vašková, PhD., Ing. Beáta Hubková, PhD., RNDr. Jana Mašlanková, PhD., doc. RNDr. Miroslava Rabajdová, PhD., doc. RNDr. Marek Stupák, PhD., doc. Ing. Katarína Dubayová, PhD., prof. Ing. Mária Mareková, CSc., RNDr. Ivana Špaková, PhD., doc. RNDr. Vladimíra Tomečková, PhD.

Date of last modification: 24.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ULBF/ MBF-GM/18	**Course name:** Medical Biophysics

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 4 / 3 **Per study period:** 56 / 42
Course method: present

Number of ECTS credits: 7

Recommended semester/trimester of the course: 2.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Assessment of the learning achievements in the study subject is performed by continuous monitoring on the study achievements during the teaching part of the period which consists of written tests on practical exercises, a written test of the lectured topics during the teaching part of the semester, and a measurement report. To ensure the adequate preparation for the exam it is highly recommended to attend the lectures. Even in case of non-participation in the lecture, during the exam in medical biophysics, the student must master the topics in the lectured content and form. For students to be admitted to the final examination in Medical biophysics it is required to complete the practical course in medical biophysics, i.e., attendance at all practical lessons finished with accepted reports (protocols) on the measurement and the score at least 60% of maximal number of points, the student can get during the semester. Final examination for the period of study concerned takes place in a written form and can be performed by the full-time or distance method according to the actual arrangements. The knowledge evaluation is expressed by the percentage level from the received points. To complete the exam successfully it is necessary to gain at least 60% of points (assessment E).

Learning outcomes:
At the end of the course students will become familiar with the elementary knowledge about physical background of processes in human body on molecular, atomic and subatomic level. Students will understand physical principles of diagnostic and therapeutic devices, as well as biophysical effects in human body after application of biophysical technigues, encountered side effects and safe, efficient usage of medical devices in practice. Course will introduce also the subjects of molecular biophysics, membrane biophysics, and bioenergetics. As the aditional benefit from the course students will be able to address biophysical problems having close relationship to health and sickness in man.

Brief outline of the course:
Relation physics and medicine, Structure of matter, Nuclear radiation and its application in medicine, Magnetic resonance imaging, Lasers in medicine, X rays – the nature and physical properties, Conventional radiography and CT, Pulse oximetry, Ultrasound–physical characteristics, Medical application of ultrasound, Disperse system – classification and physical properties, Colligative properties of disperse systems, Transport processes – flow, diffusion, Membrane

biophysics, Bioelectricity, Electrical current and tissues, Biophysics of senses, Sound and hearing, Biophysics of vision, Biophysics of cardiovascular system.

Recommended literature:

Fundamentals of Biophysics and Medical Technology, I. Hrazdira, V. Mornstein et al., Masaryk University, Faculty of Medicine, Brno 2012

An Introduction to biophysics with medical orientation, edited by G.Rontó, I.Tarján, Akadémiai Kiadó, Budapest, 1991

Medical biophysics practical exercises, M. Legiň et al., VŠ učebné texty, Košice 2009

Course language:

Notes:

Course assessment

Total number of assessed students: 3004

A	B	C	D	E	FX
2.3	4.69	13.32	22.74	50.83	6.13

Provides: doc. RNDr. Ján Sabo, CSc., mim.prof., doc. RNDr. Lea Vojčíková, CSc., RNDr. Imrich Géci, PhD., RNDr. Galina Laputková, CSc., RNDr. Soňa Tkáčiková, PhD., RNDr. Ivan Talian, PhD., RNDr. Zuzana Tomková, PhD., RNDr. Peter Bober, PhD., RNDr. Michal Alexovič, PhD., RNDr. Csilla Uličná, PhD.

Date of last modification: 04.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULCHBKB/MCH-GM/18	**Course name:** Medical Chemistry

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 4

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1545

A	B	C	D	E	FX
2.52	4.79	10.74	23.17	44.72	14.05

Provides: MUDr. Anna Birková, PhD., RNDr. Lukáš Smolko, PhD., RNDr. Ivana Špaková, PhD., doc. RNDr. Vladimíra Tomečková, PhD., Ing. Beáta Hubková, PhD., RNDr. Jana Mašlanková, PhD., doc. RNDr. Miroslava Rabajdová, PhD., doc. RNDr. Marek Stupák, PhD., doc. Ing. Katarína Dubayová, PhD., doc. Mgr. Peter Urban, PhD., prof. Ing. Mária Mareková, CSc., doc. RNDr. Janka Vašková, PhD.

Date of last modification: 31.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: CJP/ LFMCS/11	**Course name:** Medical Communication in Slovak

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 1 **Per study period:** 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 5.

Course level: I.II.

Prerequisities: Dek. LF UPJŠ/SL-GM1/09 and leboDek. LF UPJŠ/SL-GM2/15 and leboDek. LF UPJŠ/SL-DM2/15 and leboDek. LF UPJŠ/SL-DM1/09

Conditions for course completion:
Active participation. Max. 2 absences. If the student is suspected (has a doctor-recommended isolation for COVID-19 symptoms or ordered PCR testing or COVID-19) or confirmed coronavirus disease (COVID-19), the student is obliged to inform the faculty and his/her teacher as the second recipient of the email (via email: lf-studijne@upjs.sk, firstname.surname@upjs.sk). The student with suspicion of illness is excluded from full-time teaching until the results of his negative PCR test. In this case the student continues with a substitutional study form in accordance with his/her teacher's instructions. Students write 2 continuous assessment tests (week 7 and week 13) during the semester. The minimum score of 60% for each test is required. There are no retakes during the semester. Students who have achieved less than 60% may have one retake of the test in week 14 (the minimum score of 60% percent is required). In the event of failure to attain the limit, the examination procedure is not permitted, and the student is graded FX – failed. Final assessment is based on the results of the final written exam. Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%. The study form: in person/distant/combined in accordance with epidemiological situation and the Rector's order (No.15/2020).

Learning outcomes:
After completing the course, students are able to communicate with patients in various departments in the hospital. They can take a history using specific questions and giving instructions to the patients depending on the department/clinic.

Brief outline of the course:
Basic Doctor-Patient Communication. Formal and Informal You in Slovak. General Communication Depending on the Environment (Pharmacy, Hospital, Outpatient Department). Basic Medical Anamneses in the Slovak Language - General Anamnesis, Patient Admission. Family History and Past Illnesses. Pain - Time Factors, Types and Causes of Pain. Creating a Medical Report. Drug History - Types of Drugs, Contraindications, Side Effects. Neurological Examination. Unpleasant Examinations. Orthopaedic Examination. Basic Phrases, Creating Dialogues, Reading Comprehension. Surgical Examination. Injuries We Might Encounter at the Department of Surgery- Discussion. Cardiovascular Examination.

Recommended literature:

Materials prepared by teachers in print and electronic forms.

Course language:
Slovak Language A1.1 - A1.2

Notes:

Course assessment
Total number of assessed students: 246

A	B	C	D	E	FX
57.32	14.63	15.04	6.1	4.47	2.44

Provides: Mgr. Veronika Pálová

Date of last modification: 20.09.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UVZH/ ME-GM/15	**Course name:** Medical Ecology

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 5.

Course level: I.II.

Prerequisities: ULBL/B-GM1/09

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 468

A	B	C	D	E	FX
20.94	18.16	19.23	22.22	17.74	1.71

Provides: doc. MUDr. Kvetoslava Rimárová, CSc., mim.prof.

Date of last modification: 11.09.2015

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: CJP/ LFME/11	**Course name:** Medical English

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 1 **Per study period:** 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 3., 5.

Course level: I.II.

Prerequisities: KKF/LFMT/07

Conditions for course completion:
Combined method of instruction (face-to-face/online, distance learning)
Submitting written assignments in due time. Consistently late assignments can impact the final grade of the course. Oral presentation - online. Final test, online in case of distance instruction.
Grading scale:
(A 100-93 %, B 92-85 %, C 84-77 %, D 76-69 %, E 68-60 %, FX 59% and less).

Learning outcomes:
The development of language skills (reading, listening, speaking), improvement of linguistic competence (fonological, lexical and syntactic aspects), and pragmatic competence with focus on English for specific/professional purposes - General medicine, level B2.

Brief outline of the course:
Medical English.
Vocabulary and pronunciation.
Formal/informal, technical (medical)/common vocabulary.
The human body.
Functions of the human body.
Diseases and their symptoms.
Functional grammar - defining, classifying, expressing function.

Recommended literature:
Tiersky, E., Tiersky, M.: The Language of Medicine in English. Regent Prentice Hall, 1992
Glendinning, E.H.- Howard, R.: Professional English in Use – Medicine, CUP, 2007
Dictionary of Medicine. Peter Collin Publishing. 1996
Concise Medical Dictionary. OUP, 1991
Fitzgerald, P., McCullagh, M., Wright, R.: English for Medicine in Higher Education Studies. Garnet Education, 2010
http://www.bbc.co.uk/worldservice/learningenglish

Course language:
English language, level B2 according to CEFR.

Notes:

Course assessment
Total number of assessed students: 1591

A	B	C	D	E	FX
40.23	16.66	16.03	11.75	10.81	4.53

Provides: PhDr. Marianna Škultétyová

Date of last modification: 20.09.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: USL/ ME-GM/16	**Course name:** Medical Ethics

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Attendance on lectures and seminars to the specified extent, successful completion of a credit test and oral exam. Detailed conditions for mandatory participation and forms of evaluation are available on the department's website.
https://www.upjs.sk/en/faculty-of-medicine/department/forensic-medicine/teaching/courses/dr/

Learning outcomes:
The student acquires knowledge of ethical dimension and requirements of health care profession, and learns how to recognize principles of medical ethics in solving complicated ethical issues in selected areas of medical practice, such as informed consent of the patient, terminally ill and dying patients, euthanasia, assisted suicide, biomedical research, etc.

Brief outline of the course:
Ethics and morality. Bioethics and Medical Ethics. Landmark events in the evolution of bioethics. Global ethics and bioethics. Goals and ethical aspects of health care. Medical ethics. The basic principles of medical ethics. Ethical dilemma. The ethics of medical education. UPJŠ in Košice Code of Student Conduct. Hippocratic Oath. Physician's Pledge. Character requirements for medical profession. WMA International Code of Medical Ethics. Ethical Code for Health Care Providers in Slovakia. Important international conventions and declarations relevant to the health care professions. Patients' rights. Slovak Medical Chamber and Health Care Surveillance Authority in Slovakia. Human dignity in health care. Doctor – patient relationship. Informed consent/refusal – ethical and legal issues. Previously expressed wish of the patient. Communication in medical care. Guide to medical interview. Approach to specific patient groups. Burnout syndrome in medical profession. Ethical and legal issues in pediatrics. The rights of hospitalized children. Elderly patient. Risks in the hospital by elderly patients. Terminal illness. Ethical aspects of resuscitation and intensive care. Futile treatment. Dying patient – ethical and legal issues. Ethical issues in thanatology. Euthanasia and dysthanasia. Assisted suicide. Ethical aspects of organ and tissue transplantation. Living and dead donors. Ethical status of the dead human body. Ethics of autopsy and exhumation. Ethical aspects of examination in forensic medicine and pathology. Reproductive medicine and responsible parenthood. Methods used to achieve or prevent pregnancy. Surrogacy. Ethical issues of abortions. Surrogacy. Ethical issues in selected medical divisions [neonatal and fetal medicine, gynecology and obstetrics, surgery, nephrology, psychiatry, prehospital emergency

care]. Ethics of expert activities in medicine. Ethics in biomedical research. Ethical and legal regulations regarding biomedical research involving human subjects. Ethical issues in animal experimentation. Ethics Committees. Publication ethics. Ethical issues in human genetics and genomics. Genetic testing and preimplantation genetic diagnosis. Gene therapy and genetic manipulation. Ethics of 'designer babies'. Ethical aspects of human cloning. Ethical issues in stem cell research and therapy.

Recommended literature:

BOBROV, N., FARKAŠOVÁ IANNACCONE, S., SOPKOVÁ, D., NERANTZAKIS, I. Medical Ethics. Košice: Pavol Jozef Šafárik University, 2017.
BOYLAN, M. Medical Ethics. 2nd edition. New York: Wiley-Blackwell, 2014.
TALBOT, M. Bioethics: an introduction. Cambridge: Cambridge University Press, 2012.
JONSEN, A. R., SIEGLER, M., WINSLADE, W. J. Clinical Ethics: A Practical Approach to Medical Decisions in Clinical Medicine. 6th edition. New York: The McGraw-Hill Company Inc., 2007.
HOPE, T. Medical Ethics: A Very Short Introduction. New York: Oxford University Press Inc., 2004.
CAMPBELL, A., GILLETT, G. and JONES G. Medical Ethics. 3rd edtion. Victoria: Oxford University Press, 2001.

Course language:
English

Notes:

Course assessment
Total number of assessed students: 2486

A	B	C	D	E	FX
67.86	21.28	6.76	2.13	1.25	0.72

Provides: doc. MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Ingrid Nerantzakis, MUDr. Dorota Sopková, PhD.

Date of last modification: 21.07.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULI/ MInf-GM/09	**Course name:** Medical Informatics

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 2 **Per study period:** 0 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:
1. 100% and active attendance.
2. Min. 60% from each test during the term.
3. Elaboration of all given classworks.

Learning outcomes:
The aim of the course is to get knowledge about the basic terms, methods and tools of information and communication technologies. To reach the computer skills at the level, that allows students to create and to use databases and to get skills in information systems used in health care system. Students should also understand the importance of medical terminology, standards and evidence based medicine.

Brief outline of the course:
Utilization of ICT and informatics tools in medicine, eHealth, electronic health record, ePrescription, eMedication, eAllocation, information systems, telemedicine, bioinformatics, electronic signature, eLearning. Databases, data processing, database tables, primary keys, input mask, relations between tables. Forms in database, controls in forms, searching for information in database, data filtering, data sorting, queries, selection criteria, working with printing reports. Introduction into the biomedical statistics, descriptive statistics. Hospital information system. Terminology in medicine. PACS. Laboratory information system. Evidence based medicine.

Recommended literature:
1. Majerník J., Švída M., Majerníková Ž.: Medicínska informatika, UPJŠ, Košice 2010, Equilibria, ISBN 978-80-7097-811-5.
2. Majerník J., Kotlárová K.: Medicínska informatika 2 - Nemocničný informačný systém, UPJŠ, Košice 2010, Equilibria, ISBN 978-80-7097-812-2.
3. Majerník J.: Základy informatiky, Košice 2008, Aprilla, ISBN 978-80-89346-03-5.
4. Notes from exercises.
5. Manuals of information systems used in health care system.

Course language:
english

Notes:

Course assessment
Total number of assessed students: 3020

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
41.82	2.45	6.39	14.6	16.23	10.73	7.78

Provides: doc. Ing. Jaroslav Majerník, PhD., Ing. Andrea Kačmariková, PhD., Ing. Martina Habiňaková, PhD.

Date of last modification: 11.02.2016

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: USL/ ML-GM/16	**Course name:** Medical Law

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 6., 8., 10.

Course level: I.II.

Prerequisities: KKF/LFMT/07,UO/NC-GM2/09

Conditions for course completion:
Attendance on lectures and seminars to the specified extent, successful presentation of seminar work. Detailed conditions for mandatory participation and forms of evaluation are available on the department's website.
https://www.upjs.sk/en/faculty-of-medicine/department/forensic-medicine/teaching/courses/dr/

Learning outcomes:
Every doctor is obliged to practice his profession in accordance with generally binding legal regulations. Knowledge of the legal norms concerning provision of health care, basic duties of a health care professional, as well as basic rights and obligations of patients, is therefore a necessary requirement of every future doctor. The aim of teaching the subject Medical Law is development of legal thinking required for everyday situations arising during the provision of health care such as informed consent of the patient, management and access to the medical records, resolution of legal issues in the relationship between the doctor and the patient, the doctor and his/her colleagues, and the doctor and the employer, medical errors, expert activities, and cooperation with state authorities, including law enforcement agencies.

Brief outline of the course:
Medical law. Health care regulations in different countries. Rights and duties of people during provision of health care. Patients' rights. Health insurance, medicine and law. Health Care Surveillance Authority and its role in Slovak Republic. International organizations in health care. Legal requirements to medical profession. Rights and duties of health care professionals: doctor, nurse, medical laboratory technician. De lege artis. Confidentiality in medicine. Informed consent in medical care. Informed refusal in medical care. Difficult patient – legal approach. Types of legal responsibilities of the doctor. Duty of care. Medical malpractice: errors, mistakes, negligence. Civil vs. criminal case of medical malpractice. Legal issues related to the dying patient. Withholding and withdrawing life sustaining treatment. Physician assisted dying. Legal aspect of autopsy practice. Legal status of human corpse. Legal issues in reproductive medicine. Assisted reproduction. Surrogacy. Abortion laws. Legal regulations of biomedical research. Animal experimentation. Research involving human subjects. Legal regulations of genetic testing and therapy. Legal regulations of stem cell research and human cloning. Expert activity in health care.

Doctor as a witness. Doctor as an expert witness. Compensation of pain and deteriorated work capacity.

Recommended literature:

BUCHANAN, A. Justice & Health Care. New York: Oxford University Press, Inc., 2009.
VEITCH, K. The Jurisdiction of Medical Law. Hampshire: Ashgate Publishing Limited, 2007.
WELLMAN, C. Medical Law and Moral Rights. Dordrecht: Springe, 2005.
DEVEREUX, J. Medical Law. 2nd edition. Newport: Cavendish Publishing, 2002.

Course language:

English

Notes:

Maximum class size is 20 students.

Course assessment

Total number of assessed students: 39

A	B	C	D	E	FX
94.87	2.56	2.56	0.0	0.0	0.0

Provides: doc. MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Dorota Sopková, PhD.

Date of last modification: 21.07.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: KKF/ LFMT/07	**Course name:** Medical Terminology

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 2 **Per study period:** 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:
PLEASE READ: Some parts of lessons may continue as distance e-learning. Students must follow NEWS BOARD (see point 5).
1)ACTIVE PARTICIPATION has effect on the final mark. It consists of: being 100 % present on every class in the winter semester, cooperation with the teacher, preparing given homework. Each of the students has maximum of 2 absences. The student that has more than 2 absences (without providing legitimate official documents explaining the reason of missed classes) will be excluded from taking pre-term exam (see Notes) or can be considered to fail the subject Medical Terminology.
2)HOMEWORK is compulsory. For each lesson, the students are expected to prepare any kind of homework that teacher gives as it is fundamental for the final exam.
3)TWO SHORT TESTS DURING THE SEMESTER. There will be two written short tests focused on translation of medical terms. Each of the tests has 20 points maximum (therefore 40 points together). These points will be counted in the final exam's points.
Distance teaching: 10 points/test (together 20 points)
4)FINAL EXAM. The final exam test itself has 110 points maximum. All three parts together (two short tests + final exam) have 150 points maximum. Students need more than 89 points out of 150 (60%) from all three parts together to pass the Medical Terminology subject. Maximum of points (all three parts together) is presented here:
SCALE:
A = 150 - 139
B = 138 - 127
C = 126 - 114
D = 113 - 102
E = 101–90
FX = 89 – 0
5) NEWS BOARD. It is mandatory for every student to follow all the news that will be uploaded on this page: https://upjsmedicalterminology.blogspot.com
Students can find there: information about cancellation of classes, change of rooms, information for tests and exams, all the additional information and documents for homeworks, etc.

Learning outcomes:

The aim of the Medical Terminology is to provide students with the basics of Latin and Greek medical terms that are necessary for further study of medicine. After completing the course, the student classifies Latin nouns and adjectives into individual declensions. Based on the acquired grammar rules, the student translates medical terms from Latin into English and vice versa. The student identifies individual parts of words and on this basis correctly derives the meaning of individual terms in Latin and also in English.

Brief outline of the course:

The whole course is based on the book: KAVEČANSKÁ, A., & ŠALAMON, P. (2017). The basics of Graeco-Latin medical terminology (First edition.). Košice: University of Pavol Jozef Šafárik in Košice

1. week: Introduction to Medical Terminology
2. week: UNIT 1 - 1st Latin and Greek declensions, adjectives
3. week: UNIT 2
4. week: UNIT 3
5. week: UNIT 4 + UNIT 6
6. week: 1st short written test + UNIT 5
7. week: UNIT 7
8. week: UNIT 8
9. week: UNIT 9 + repetition
10. week: 2nd short written test + UNIT 10
11. week: UNIT 11
12. week UNIT 12
13. week: UNIT 13 + repetition

Recommended literature:

KAVEČANSKÁ, A., & ŠALAMON, P. (2017). The basics of Graeco-Latin medical terminology (First edition.). Košice: University of Pavol Jozef Šafárik in Košice
BUJALKOVÁ, M., JUREČKOVÁ, A. (2004). Introduction to latin medical terminology. Bratislava: Univerzita Komenského.
ČERNÝ, K. (2013). Guide to Basic Medical Terminology. Praha: Karolinum.
SVOBODOVÁ, D. (2006). An introduction to Greco-Latin Medical Terminology. 3. vyd. Praha: Karolinum.
COHEN, B. J., & DePETRIS, A. (2014). Medical terminology: An illustrated guide (7th ed.). Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins.
DORLAND, I. (1988). Dorland´s illustrated medical dictionary (27th ed.). Philadelphia ; London ; Toronto: W. B. Saunders Company.
NETTER, F. H. (2006). Atlas of human anatomy (4th ed.). Philadelphia, Pa.: Saunders.
Recommended online courses and exercises:
https://medterminology.com

Course language:

English language

Notes:

PRE-TERM FINAL EXAM. Only those students that will have 100% full attendace record (list) with no absences will be allowed to take a pre-term final exam.

Course assessment
Total number of assessed students: 3376

A	B	C	D	E	FX
9.09	12.59	18.13	21.83	33.89	4.47

Provides: PhDr. Pavol Šalamon, Mgr. Martin Zborovjan, PhD., Mgr. Zuzana Krokosová

Date of last modification: 17.05.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: USBM/ MBR-GM/13	**Course name:** Methodology of Biomedical Research

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 7.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 9

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
33.33	33.33	11.11	11.11	0.0	0.0	11.11

Provides: Mgr. Iveta Rajničová Nagyová, PhD.

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULM/ MB-GM1/09	**Course name:** Microbiology 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 4

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities: ULBL/B-GM1/09

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 2453

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
43.82	4.12	16.75	13.58	8.64	12.07	1.02

Provides: RNDr. Marián Sabol, CSc., Dr.h.c. prof. MUDr. Leonard Siegfried, CSc., MVDr. Vladimír Hrabovský, PhD., MUDr. Marián Marcin, RNDr. Katarína Čurová, PhD., Ing. Viera Lovayová, PhD.

Date of last modification: 11.02.2016

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULM/MB-GM2/14	**Course name:** Microbiology 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 3 **Per study period:** 28 / 42
Course method: present

Number of ECTS credits: 6

Recommended semester/trimester of the course: 5.

Course level: I.II.

Prerequisities: ULM/MB-GM1/09

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 2144

A	B	C	D	E	FX
23.13	8.82	17.44	12.73	20.62	17.26

Provides: RNDr. Marián Sabol, CSc., Dr.h.c. prof. MUDr. Leonard Siegfried, CSc., MVDr. Vladimír Hrabovský, PhD., MUDr. Marián Marcin, RNDr. Katarína Čurová, PhD., Ing. Viera Lovayová, PhD.

Date of last modification: 07.05.2015

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UPF/MPF-GM/14	**Course name:** Molecular Pathophysiology

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 0 **Per study period:** 14 / 0
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 6., 8.

Course level: I.II.

Prerequisities: UPF/PP-GM1/16

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 33

A	B	C	D	E	FX
36.36	33.33	21.21	3.03	0.0	6.06

Provides: doc. MUDr. Oliver Rácz, CSc., doc. MUDr. Roman Beňačka, CSc., mim.prof., MVDr. Eva Lovásová, PhD.

Date of last modification: 03.05.2015

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: NLK/ NL-GM1/19	**Course name:** Neurology 1
Course type, scope and the method: **Course type:** Lecture / Practice **Recommended course-load (hours):** **Per week:** 2 / 2 **Per study period:** 28 / 28 **Course method:** present	
Number of ECTS credits: 4	
Recommended semester/trimester of the course: 7.	
Course level: I.II.	
Prerequisities: UA/A-GM3/17	
Conditions for course completion: 1. 100 % active participation in practical exercises, in the case of absence, may substitute up to 3 exercises per semester 2. Compulsory attendance in at least 9 lectures (national holidays are not included). 3. Practical examination of the neurological patient. 4. Successful completion of the test, evaluation A – E (possibility to repeat the test 2 times).	
Learning outcomes:	
Brief outline of the course: Neurology - general considerations. History taking. Cranial nerves I-XII, anatomy, physiology, pathology. Affection of the upper and the lower motor neurons – anatomic and physiologic considerations, diagnosis of paralytic states – lesion of corticospinal tract, brain stem syndromes, lower motor neuron lesions. Sensation. Anatomy, pathology. Cerebellum. Anatomy. Paleocerebellar and neocerebellar syndromes. Disorders of stance and gait. Extrapyramidal system. Hypertonic - hypokinetic syndrom. Hypotonic - hyperkinetic syndrom. Dystonia. Language and higher cortical function. Physiological and anatomical considerations. Language disorders, brain lobes pathology. Consciousness and unconsciousness. Causes of unconsciousness, quantitative disorders of consciousness: drowsiness, stupor, coma. The investigation of unconscious patient. Glasgow coma scale. Delirium. Brain death.Meningeal syndrom. Cerebrospinal fluid. Physiology, pathology. Lumbar puncture. Intracranial hypertension. Herniation of the brain – temporal, occipital. Plane X-ray of the skull and spine. Computer tomography of the brain and spinal column. MRI of the brain and spinal cord. PET, SPECT, DAT SCAN. Neurophysiological examination in neurology. Evoked potentials, electromyography. General considerations, clinical value. Electroencephalography. Polysomnography. Ultrasound examintaion in neurology. Duplex ultrasound of extracranial and intracranial cerebral arteries. Angiography of cerebral arteries. General considerations, clinical value. Head injury. Concussion, subdural, epidural hematoma, contusion of the brain. Spinal column and spinal cord injury. Dementia. Diagnosis, diferencial diagnosis. Alzheimer disease, Lewy body disease, frontotemporal dementia. Vascular dementia, other dementias. Diagnostic, therapy. Sleep disorders. Hypersomnia of the CNS origin. Restless leg syndrome. Developmental diseases of the nervous system. Cranial abnormities, cerebral	

palsy, fakomatosis, neurofibromatosis (M. Recklinghausen,) angiomatosis, myelodysplazy, syringomyelia.

Recommended literature:

Literature:

Gdovinová Z., Szilasiová J.: Textbook of general neurology. Košice : Aprilla Ltd. for Hanzluvka Books, 2009. 189 s. ISBN 9788089346158 (brož.).

Brust J.C.M.: Neurology. Current Diagnosis and treatment. Lange Medical Books/McGraw-Hill, 2007. 601 pp. ISBN: 13: 978-0-07-110554-5

Course language:

english language

Notes:

Course assessment

Total number of assessed students: 1496

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
36.16	10.29	5.88	15.71	19.59	10.83	1.54

Provides: prof. MUDr. Zuzana Gdovinová, CSc., doc. MUDr. Jarmila Szilasiová, PhD., MUDr. Mária Tormašiová, PhD., doc. MUDr. Eva Feketeová, PhD., MUDr. Norbert Leško, PhD., MUDr. Marianna Vitková, PhD., doc. MUDr. Matej Škorvánek, PhD., MUDr. Vladimír Haň, PhD., MUDr. Milan Maretta, MUDr. Miroslav Benča, MUDr. Petra Paveleková, MUDr. Alexandra Mosejová, MUDr. Joaquim Maria de Santa Cruz Ribeiro Ventosa, MUDr. Dominik Koreň, MUDr. Kristína Kulcsárová, MUDr. Miriama Ostrožovičová

Date of last modification: 17.09.2019

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: NLK/ NL-GM2/14	**Course name:** Neurology 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 4

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisities: NLK/NL-GM1/19

Conditions for course completion:
Due to the change in the form of study to distance study due to the Covid 19 virus epidemy, the conditions for passing the subject Neurology II will change as follows:
The condition for passing the subject Neurology II is:
1. Preparation of power point presentations by each study group on the topics listed below, with marking which student has prepared which parts / slides of the presentation, each student must participate in the presentation
2. These presentations are sending to their teachers once a week, the latest one by 15.5. 2020.
3. The sources for the preparing of presentations are lectures, which are on the website of the Department of Neurology UPJŠ LF and recommended literature.
4. The condition for signing up for the exam is fulfilling of the conditions 1-3.
5. The final test will consist of the content of the subjects Neurology I and Neurology II.
As it is uncertain whether contact teaching will resume, the exams of Neurology II in the school year 2019/2020 will be only by ROGO tests. In order to successfully complete the subject Neurology II, the student must pass the exam in the regular or 1st or 2nd term, with a minimum of 60% in the given test.
Students will be informed about the terms of tests (exams) continuously in the AIS system (from 20 April 2020), each student is required to apply for the exam term 2 days in advance.
Verification of technical compatibility and connectivity of students to the ROGO system will be on 11. – 12. May 2020 from 7AM to 7PM. In case of technical problems the student should contact Ing. Vladislav Ondič (mail: vladislav.ondic@upjs.sk).
Presentation topics:
5. teaching week: 9. 3. - 13.3.2020 Ischemic stroke, Spinal cord ischemia
6. teaching week : 16.3. - 20.3.2020 Brain haemorrhage, Subarachnoid haemorrhage, Spinal cord haemorrhage
7. teaching week: 23.3. -27.3.2020 Demyelininative disorders of the CNS: MS, NMOSD, ADEM.
8. teaching week: 30.3. - 3.4.2020 Disorders affecting extrapyramidal system
9. teaching week: 6.4. - 10.4.2020 Headache
10. teaching week : 13.4. - 17.4.2020 Brain tumors. Paraneoplastic disorders. Pseudotumor cerebri.
11. teaching week : 20.4. - 24.4.2020 Neuroinfections I a II
12. teaching week : 27.4. - 1.5.2020 Inflammatory polyneuropathies – AIDP, CIDP, MMN.

13. teaching week : 4.5. - 8.5.2020 Myopathies, Myasthenia gravis.
14. teaching week : 11.5. - 15.5.2020 Metabolic disorders, Mononeuropathies and plexopathy

Learning outcomes:

Brief outline of the course:
Epilepsy and seizures. Classification, generalized and partial seizures. Diagnostic, therapy. Febrile convulsions. Ischemic stroke. Risk factors, clinical feature, diagnosis, therapy. Brain haemorrhage, subarachnoid haemorrhage. Risk factors, clinical feature, diagnosis, therapy. Brain tumors. Classification, clinical feature, general and focal signs, diagnostic, therapy. Brain MTS. Paraneoplastic disorders. Pseudotumor cerebri. Demyelinating disorders - multiple sclerosis. Infectious disorders of the nervous system –menin gitis, encephalitis. Neurosyfilis. Lyme disease. AIDS. Brain abscess. Polyradiculoneuritis Guillain-Barre. Muscle diseases. Metabolic disorders.

Recommended literature:
Gdovinová Z., Szilasiová J.: Textbook of general neurology. Košice : Aprilla Ltd. for Hanzluvka Books, 2009. 189 s. ISBN 9788089346158 (brož.).
Brust J.C.M.: Neurology. Current Diagnosis and treatment. Lange Medical Books/McGraw-Hill, 2007. 601 pp. ISBN: 13: 978-0-07-110554-5

Course language:
english language

Notes:

Course assessment
Total number of assessed students: 1563

A	B	C	D	E	FX
17.53	17.27	20.41	14.2	16.63	13.95

Provides: doc. MUDr. Jarmila Szilasiová, PhD., doc. MUDr. Eva Feketeová, PhD., doc. MUDr. Matej Škorvánek, PhD., MUDr. Vladimír Haň, PhD., prof. MUDr. Zuzana Gdovinová, CSc., MUDr. Milan Maretta, MUDr. Miroslav Benča, MUDr. Alexandra Mosejová, MUDr. Petra Paveleková

Date of last modification: 23.03.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KNM/ NM-GM/14	**Course name:** Nuclear Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 7.

Course level: I.II.

Prerequisities: ULBF/MBF-GM/18

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1545

A	B	C	D	E	FX
14.11	21.29	23.3	19.55	18.32	3.43

Provides: doc. MUDr. Ján Lepej, CSc.

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UO/ NCCP-GM/12	**Course name:** Nursing Care - Clinical procedures

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 2 **Per study period:** 0 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 6., 8.

Course level: I.II.

Prerequisities: UO/NC-GM2/09

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 183

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
45.36	29.51	5.46	3.28	0.55	0.55	15.3

Provides: PhDr. Gabriela Štefková, PhD.

Date of last modification: 29.07.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UO/NC-C-GM/15	**Course name:** Nursing Care - clerkship in hospital

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 80s
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities: UO/NC-GM1/17

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 2326

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
93.98	0.0	0.0	0.0	0.04	0.04	5.93

Provides: doc. PhDr. Mária Zamboriová, PhD., mim. prof., PhDr. Mária Sováriová Soósová, PhD., PhDr. Gabriela Štefková, PhD., PhDr. Valéria Parová, PhD.

Date of last modification: 29.07.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UO/NC-GM1/17	**Course name:** Nursing Care 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 2 **Per study period:** 14 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 2620

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
44.81	22.63	11.83	8.28	3.82	7.06	1.56

Provides: doc. PhDr. Mária Zamboriová, PhD., mim. prof., PhDr. Gabriela Štefková, PhD., PhDr. Mária Sováriová Soósová, PhD., PhDr. Valéria Parová, PhD.

Date of last modification: 29.07.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UO/NC-GM2/09	**Course name:** Nursing Care 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 2 **Per study period:** 14 / 28
Course method: present

Number of ECTS credits: 4

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities: UO/NC-GM1/17

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:
English

Notes:

Course assessment
Total number of assessed students: 2511

A	B	C	D	E	FX
11.99	24.17	32.46	21.07	9.64	0.68

Provides: doc. PhDr. Mária Zamboriová, PhD., mim. prof., PhDr. Gabriela Štefková, PhD., PhDr. Mária Sováriová Soósová, PhD., PhDr. Valéria Parová, PhD.

Date of last modification: 29.07.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: OK/OF-GM/13	**Course name:** Ophthalmology

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 2 **Per study period:** 14 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: UPF/PP-GM2/16,IK/IM-GM3/17

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1206

A	B	C	D	E	FX
60.78	21.89	10.78	3.32	2.9	0.33

Provides: MUDr. Miriama Skirková, MUDr. Monika Moravská, MUDr. Marek Horňák, MUDr. Paulína Hribová

Date of last modification: 04.03.2019

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KORLaF/ORL-GM/14	**Course name:** Otorhinolaryngology

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 2 **Per study period:** 14 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: NLK/NL-GM1/19,ChK/S-GM3/17,UFR/PM-GM1/19

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1122

A	B	C	D	E	FX
18.63	16.67	21.84	25.4	17.11	0.36

Provides: prof. MUDr. Juraj Kovaľ, CSc., MPH, MUDr. Michal Molčan, CSc., MUDr. Tímea Koštialová, MUDr. Andrej Koman

Date of last modification: 03.05.2015

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KDaD/ PE-SS-GM/17	**Course name:** Paediatrics

Course type, scope and the method:
Course type:
Recommended course-load (hours):
Per week: Per study period:
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 11., 12..

Course level: I.II.

Prerequisities: KDaD/PE-GM3/16,UFR/PM-GM2/17,1. KAIM/AIM-GM/20,1. PK/PT-GM2/18

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 982

A	B	C	D	E	FX
21.59	18.43	24.13	16.5	17.72	1.63

Provides:

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KDaD/ PE-GM1/15	**Course name:** Paediatrics 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 3 **Per study period:** 28 / 42
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: UFR/PM-GM1/19

Conditions for course completion:

Learning outcomes:

Brief outline of the course:
Diseases of the respiratory system – acute infections, asthma bronchiale, non-inflammatory diseases. Cardiovascular system – congenital heart diseases, inflammatory diseases, hypertension. Congenital anomalies of the Gastrointestinal tract, malabsorptive syndrome, IBD, liver diseases. Disorders of the thyroid gland, diabetes mellitus, disorders of calcium-phosphate metabolism, most common inborn errors of metabolism.

Recommended literature:
Lissauer T.: Ilustrated Textbook of Paediatrics, 2012
Kovács L: Introduction to Paediatrics, 2001

Course language:

Notes:

Course assessment
Total number of assessed students: 1236

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
33.17	24.84	14.64	13.03	6.96	6.72	0.65

Provides: doc. MUDr. Veronika Vargová, PhD., MUDr. Juraj Hedvig, PhD., MUDr. Miroslava Petrášová, PhD., MUDr. Juliana Ferenczová, PhD., MUDr. Peter Krcho, PhD., MUDr. Alžbeta Bánovčinová, PhD., MUDr. Marianna Fajdelová, MUDr. Simona Drobňaková, MUDr. Mária Pisarčiková, PhD., MUDr. Tatiana Baltesová, PhD., MUDr. Timea Bileková, MUDr. Veronika Kučeravá, MUDr. Gabriel Koľvek, PhD., MUDr. Kristína Kubejová, PhD.

Date of last modification: 16.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KDaD/ PE-GM2/12	**Course name:** Paediatrics 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: KDaD/PE-GM1/15

Conditions for course completion:
Important announcement!
According to the last rector ordinance No. 3/2020 from 16.3.2020 the teaching process of Pediatrics 2 will be carried out by distance method from 23.3.2020. More informations you will find on website of Department of Paediatric and Adolescent Medicine.
1. Attendance on practical lessons confirmed by assistant´s signature in the record book of the student
- it is obligatory to compensate more than one legitimate absence
- (in case of 2 absent practical lessons their compensation in the corresponding form shall be determined by the teaching assistant, in case of more than 3 absences the Head of the department shall decide how to compensate)
2. Compulsory attendance in at least 10 lectures in summer term
3. Active participation on practical lessons – estimated by the teaching assistant
4. Successful passing of the credit test – achieving minimum 75 % of total score from credit test
5. Credits from the subject are going to be administered on the basis of fulfillment of criterias 1-4 on the last day of the block teaching

Learning outcomes:
Examination and health care of a child patient on pediatric department. Acquisition of theoretical and practical skills beginning from admission of the patient to his discharge from hospital (medical history taking, physical examination, layout of diagnostic procedures, their interpretation, differential diagnosis, treatment). Working with medical records, documentation.
Learning of basic diagnostic and therapeutic algorithms following the most common diseases of chilhood, according to systems presented on lectures.

Brief outline of the course:
Kidney disesaes – congenital anomalies, Urinary tract infections, renal syndromes, glomerulonephritis, inherited tubular disorders, electrocyte and acid-base disorders. Genetic syndromes, anemias, Disorders of coagulation and trombocytes, leukemias and most common solid tumors of childhood. Pediatric neurology – epilepsy, neuromuscular disorders. Rheumatic diseases – JIA, SLE, most common immunologic system disorders, neonatal pathology. Disorders of the Adrenal glands and side-effects of corticotherapy.

Recommended literature:
Lissauer T.: Ilustrated Textbook of Paediatrics, 2012
Kovács L: Introduction to Paediatrics, 2001
Schusterová I.: Pediatric Cardiology: selected chapters, 2016
Roberton, DM.: Practical Paediatrics, 2007

Course language:

Notes:

Course assessment
Total number of assessed students: 1209

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
33.09	28.54	20.68	10.34	4.22	2.98	0.17

Provides: doc. MUDr. Veronika Vargová, PhD., MUDr. Juraj Hedvig, PhD., MUDr. Miroslava Petrášová, PhD., MUDr. Juliana Ferenczová, PhD., MUDr. Peter Krcho, PhD., MUDr. Marianna Fajdelová, MUDr. Simona Drobňaková, Prof. Dr. László Lajos Barkai, MUDr. Gabriel Koľvek, PhD., MUDr. Tatiana Baltesová, PhD., MUDr. Kristína Kubejová, PhD.

Date of last modification: 16.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KDaD/ PE-GM3/16	**Course name:** Paediatrics 3

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 200s
Course method: present

Number of ECTS credits: 10

Recommended semester/trimester of the course: 11., 12..

Course level: I.II.

Prerequisities: KDaD/PE-GM2/12,NLK/NL-GM2/14

Conditions for course completion:
Important announcement!
According to the last rector ordinance No. 3/2020 from 16.3.2020 the teaching process of Pediatrics 2 will be carried out by distance method from 23.3.2020. More informations you will find on website of Department of Paediatric and Adolescent Medicine.
Practical exam, state exam

Learning outcomes:
Teach students to work as a residents at the ward in hospital, lead them to work independently in both the practical procedures and differential-diagnostic thinking. Daily work at the ward includes taking history, physical examination, drafting diagnostic and treatment process. Students learn to operate with documentation, including admitting and releasing process, also reporting the patients to the head of department during main ward rounds. Each student has to participate on “a patient of the week” analysis.

Brief outline of the course:
Fever of unknown origin
Alergological examination
Cystic fibrosis
Premature and hypotrophic newborn
Diff. dg. of unconsciousness
Diff. dg. of hypoglycemia
Growth retardation
Diff. dg. of polydipsia and polyuria
Hematuria and proteinuria
Adrenal cortex disorders
ALTE and SIDS
Sepsis in children
Cardiopulmonary resuscitation
Anaemia in children
Thrombocytes disorders
Dysrhytmias

Endocarditis, myocarditis, pericardiatis
Inflammatory bowel disease
Meningitis and encephalitis
Diff. dg. of dyspnoe and chest pain
Rheumatic diseases
Lymphadenopathy
Primary and secondary immunodeficiency
Malnutrition and failure to thrive
Solid tumors in children
Congenital malformation of neural tube

Recommended literature:
Lissauer T.: Ilustrated Textbook of Paediatrics, 2012
Kliegman R.: Nelson Textbook of Pediatrics, 2011
Schusterová I.: Pediatric Cardiology: selected chapters, 2016
Roberton DM.: Practical Paediatrics, 2007

Course language:

Notes:

Course assessment
Total number of assessed students: 983

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
30.21	56.66	9.46	2.64	0.61	0.41	0.0

Provides: doc. MUDr. Veronika Vargová, PhD., MUDr. Juraj Hedvig, PhD., MUDr. Miroslava Petrášová, PhD., MUDr. Juliana Ferenczová, PhD., MUDr. Peter Krcho, PhD., MUDr. Marianna Fajdelová, MUDr. Simona Drobňaková, MUDr. Mária Pisarčiková, PhD., Prof. Dr. László Lajos Barkai, MUDr. Milan Kurák, MUDr. Tatiana Baltesová, PhD., MUDr. Gabriel Koľvek, PhD., MUDr. Veronika Kučeravá, MUDr. Kristína Kubejová, PhD., MUDr. Timea Bileková

Date of last modification: 16.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UP/PA-GM1/14	**Course name:** Pathological Anatomy 1

Course type, scope and the method:
Course type: Lecture / Practice / Controlled study hour
Recommended course-load (hours):
Per week: 4 / 4 / 1 **Per study period:** 56 / 56 / 14
Course method: present

Number of ECTS credits: 7

Recommended semester/trimester of the course: 5.

Course level: I.II.

Prerequisities: UA/A-GM1/14,UA/A-GM2/14,UHE/HE-GM2/17

Conditions for course completion:
Tests and Colloqium

Learning outcomes:
gain knowledge from the field of General pathology, mastery of histomorphology selected diagnoses, learn about with macroscopic autopsy diagnosis

Brief outline of the course:
Introduction to Pathology, Biopsy,cytology and autopsy,Thanatology, Cell Injury, Dystrophic changes: Alterations in protein metabolism, Alterations in carbohydrate metabolism, Alterations in lipid metabolism, Disturbances of electrolytes and body fluids, Pigments,calcification, crystals and lithiasis,Progressive changes,Atrophy and necrosis,Inflammation, Growth disorders,Teratology,Pseudotumors,Basis histological features of tumors,Tumors,Tumor systematics,Lymhomas,Hypersensitivity reactions, Immunodeficiency diseases, Cardiovascular system.

Recommended literature:
Kumar V, Abbas AK, Fausto N, Robbins SL, Cotran RS: Robbins and Cotran pathologic basis of disease, 7th edition,Elsevier/Saunders,Philadelphia,2005
Böőr,A.,Jurkovič,I.,Benický,M. and Havierova,Z: Practical lessons in histopathology nd methods in pathology,UPJŠ Košice,2004

Course language:

Notes:

Course assessment
Total number of assessed students: 1727

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
41.52	1.8	7.93	14.71	15.06	16.33	2.66

Provides: MUDr. Erika Štammová, MUDr. Zuzana Benetinová, PhD., MUDr. Alžbeta Blichárová, PhD., MUDr. Ľudmila Verbóová, PhD., MUDr. Patrícia Kollárová

Date of last modification: 25.02.2016

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UP/PA-GM2/16	**Course name:** Pathological Anatomy 2

Course type, scope and the method:
Course type: Lecture / Practice / Controlled study hour
Recommended course-load (hours):
Per week: 4 / 4 / 1 **Per study period:** 56 / 56 / 14
Course method: present

Number of ECTS credits: 8

Recommended semester/trimester of the course: 6.

Course level: I.II.

Prerequisities: UP/PA-GM1/14,UA/A-GM3/17

Conditions for course completion:
credit test, histomorphological colloquium final written and oral examination

Learning outcomes:
Gaining a proper knowledge in the field of special pathology, gross necropsy diagnostics and histomorphological diagnostics of chosen diagnoses.

Brief outline of the course:
Pathology of the Respiratory System, Pathology of haematopoetic system,Pathology of the gastrointestinal trakt, Pathology of the liver,Biliary tract and pancreas, Uropathology, pathology of ovaries and uterus, Pathology of pregnancy, Pathology of the breast, Pathology of the Endocrine system, Pathology of the Musculoskeletal system, Pathology of CNS, Dermatopathology, Pathology of infancy and childhood

Recommended literature:
Kumar V, Abbas AK, Fausto N, Robbins SL, Cotran RS: Robbins and Cotran pathologic basis of disease, 7th edition,Elsevier/Saunders, Philadelphia,2005
Böőr,A.,Jurkovič,I.,Benický,M. and Havierova,Z: Practical lessons in histopathology and methods in pathology,UPJŠ Košice,2004

Course language:

Notes:

Course assessment
Total number of assessed students: 1704

A	B	C	D	E	FX
18.49	19.13	12.15	10.27	31.22	8.74

Provides: MUDr. Erika Štammová, MUDr. Zuzana Benetinová, PhD., MUDr. Alžbeta Blichárová, PhD., MUDr. Ľudmila Verbóová, PhD., MUDr. Patrícia Kollárová

Date of last modification: 05.05.2016

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UPF/PP-GM1/16	**Course name:** Pathological Physiology 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 3 **Per study period:** 28 / 42
Course method: present

Number of ECTS credits: 5

Recommended semester/trimester of the course: 5.

Course level: I.II.

Prerequisities: UFZ/Ph-GM2/14

Conditions for course completion:

Learning outcomes:
General pathophysiology is providing the comprehensive knowledge related to the causality, the mechanisms of the alteration, progression and consequences of human diseases, pathological states and processes including overview of their underlying etiological factors, processing pathways and resulting manifestations on systemic, organ -specific and cellular level.

Brief outline of the course:
Health and disease, pathological states, processes, outcomes of disease, terminology
- Etiology of diseases: genetic factors (genomic, chromosomal mutations & non-Mendelian inheritance), physical (burning injury, hypo-/hyperthermia), chemical, biological, nutritional factors (malnutrition, obesity), inherited and acquired metabolic diseases
- Acute and chronic inflammation, fever, multiple organ dysfunction, systemic stress-maladaptation, cellular stress, immunopathology (allergies, autoimmunity, immunodeficiency),
- Benign and malignant tumours, systematic & molecular carcinogenesis,
- Cell damage & death, necrosis, apoptosis, hypoxic- ischaemic damage, reactive oxygen species, principles of intercellular signalling, enzymopathies, Disorders of inner milieu including water and electrolyte dysbalance and disorders of acid-base balance
- Disorders of consciousness, pre-coma, coma, brain death, terminal states & illness

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1996

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
38.18	1.85	7.06	15.98	20.14	11.82	4.96

Provides: MVDr. Eva Lovásová, PhD., MVDr. Jaroslava Králiková, PhD., doc. MUDr. Roman Beňačka, CSc., mim.prof., doc. MUDr. Oliver Rácz, CSc., MUDr. Lenka Šalamonová Blichová, MUDr. Marek Brenišin
Date of last modification: 01.10.2019
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UPF/PP-GM2/16	**Course name:** Pathological Physiology 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 3 / 3 **Per study period:** 42 / 42
Course method: present

Number of ECTS credits: 6

Recommended semester/trimester of the course: 6.

Course level: I.II.

Prerequisities: UPF/PP-GM1/16,ULCHBKB/MBCH-GM1/20

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1974

A	B	C	D	E	FX
5.93	9.98	22.04	22.54	22.75	16.77

Provides: doc. MUDr. Oliver Rácz, CSc., doc. MUDr. Roman Beňačka, CSc., mim.prof., MVDr. Eva Lovásová, PhD., MVDr. Jaroslava Králiková, PhD., MUDr. Lenka Šalamonová Blichová, MUDr. Marek Brenišin

Date of last modification: 07.02.2019

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UFR/PM-GM1/19	**Course name:** Pharmacology 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 3 / 2 **Per study period:** 42 / 28
Course method: present

Number of ECTS credits: 4

Recommended semester/trimester of the course: 6.

Course level: I.II.

Prerequisities: UFZ/Ph-GM2/14,UA/A-GM3/17,ULCHBKB/MBCH-GM2/20

Conditions for course completion:
Written tests
Oral examination

Learning outcomes:
To provide students with a comprehensive introduction to the fundamental Pharmacology and uses of the major classes of drugs currently used in medical practice.

Brief outline of the course:
Basic pharmacology (pharmacokinetic and pharmacodynamic principles), factors influencing drug effects, routes of drug application.
Special pharmacology including drugs affecting the autonomic nervous system, myorelaxants and ganglioplegic drugs, drugs affecting CNS (drugs used to treat psychiatric disorders, antiepileptics, antiparkinson drugs, hypnotics).

Recommended literature:
Harvey et al. Lippincott´s Illustrated Reviews Pharmacology 4th edition, Wolters Kluwer health, 2009, pp.564
Rang et al. Rang´s and Dale´s Pharmacology 7th edition, Elsevier, 2012, pp.777

Course language:
English

Notes:

Course assessment
Total number of assessed students: 1699

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
33.43	21.6	12.6	15.07	9.77	6.36	1.18

Provides: prof. MUDr. Ladislav Mirossay, DrSc., prof. MVDr. Ján Mojžiš, DrSc., PharmDr. Marek Šarišský, PhD., doc. MUDr. Martina Čižmáriková, PhD., doc. MVDr. Martina Bago Pilátová, PhD., doc. MUDr. Zuzana Solárová, PhD., PharmDr. Zuzana Michalová, PhD., PharmDr. Klaudia Petrová, PharmDr. Mária Gazdová

Date of last modification: 17.04.2019
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UFR/ PM-GM2/17	**Course name:** Pharmacology 2
Course type, scope and the method: **Course type:** Lecture / Practice **Recommended course-load (hours):** **Per week:** 2 / 3 **Per study period:** 28 / 42 **Course method:** present	
Number of ECTS credits: 5	
Recommended semester/trimester of the course: 7.	
Course level: I.II.	
Prerequisities: UFR/PM-GM1/19,UPF/PP-GM1/16	
Conditions for course completion: test exam	
Learning outcomes: To provide students with a comprehensive introduction to the fundamental Pharmacology and uses of the major classes of drugs currently used in medical practice.	
Brief outline of the course: Special pharmacology including: -- drugs affecting cardiovascular system and blood (antianginal drugs, drugs used to treat heart failure, diuretics, antihypertensive drugs, antidysrrhythmic drug, hypolipidemics, peripheral vasodilators, anticoagulants and antiagregatory drugs, antianaemic drugs) - drugs used to treat hormonal dysbalance (antidiabetics, drugs used to treat thyroid disorders, glucocorticoids, sex hormones) - antimicrobial drugs (penicillins, cephalosporins, other antibiotics, antistaphylococcal antibiotics, sulfonamides, quinolones and antituberculotic drugs, antifungal, antiparasitic, antimalarial drugs, antiviral agents, immunomodulants) - anticancer drugs - clinically relevant drug interactions and drug toxicity	
Recommended literature: Harwey et al. Lippincott s Illustrated Reviews Pharmacology 4th edition, Wolters Kluwer health, 2009, pp.564 Rang et al. Rang s and Dale s Pharmacology 7th edition, Elsevier, 2012, pp.777	
Course language: ENGLISH	
Notes:	

Course assessment
Total number of assessed students: 1523

A	B	C	D	E	FX
6.11	10.44	17.14	18.12	31.06	17.14

Provides: prof. MVDr. Ján Mojžiš, DrSc., prof. MUDr. Ladislav Mirossay, DrSc., doc. MUDr. Martina Čižmáriková, PhD., doc. MVDr. Martina Bago Pilátová, PhD., PharmDr. Marek Šarišský, PhD., MVDr. Martina Zigová, PhD., doc. MUDr. Zuzana Solárová, PhD.

Date of last modification: 07.04.2017

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: KF/ ZFL/17	**Course name:** Philosophical Aspects of the Medical Practice, Basic Philosophy for Medical Doctors

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 1 **Per study period:** 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 1., 2.., 3., 4.., 5., 6.., 7., 8.., 9., 10..

Course level: I.II.

Prerequisities:

Conditions for course completion:
The students will be evaluated according to their activity in the classes. The condition to pass and to get the credits will be the final exam written during the last lesson of the semester, which will be in form of a short essay, where the basic knowledge and the skills received during the semester should be applied. In case of online courses, the final essay sent at the end of semester, will be evaluated.

Learning outcomes:
During the classes, the students of the medical sciences should be informed about the basic existential problems and extreme situations, which they can be facing during their medical practice, in the wider interdisciplinary context. This should be realized in discussion about an interconnection between the medical, the psychological, the philosophical and the anthropological view of the human being, of the patient, in consideration of the present globalized and multicultural society.

Brief outline of the course:
1.Who or what is a human being? Different views of the human, 2. Human and the culture: language, science, art and religion, 3. Freedom and responsibility. Human being and the principal of responsibility, 4. Life, death and dying. The sense of the human life. Problem of suicide and of euthanasia, 5. Love as an answer on the questions of the human existence, 6. Happiness, the ways of seeking and finding it, 7. Pain and suffering, 8. Human dignity. Human being as a purpose itself.

Recommended literature:
JASPERS, K.: Philosophy is for everyman: a short course in philosophical thinking. Harcourt, Brace & World: 1967, 125 pp.,
SCHELER, M.: The human place in the cosmos. Evanston, Illinois, Northwestern University Press: 2009.,
BUBER, M.: Between Man and Man. New York: Rutledge 1947,
FROMM, E.: The Art of Loving. New York: Harper and Row 1956.

Course language:
English

Notes:

Course assessment Total number of assessed students: 137	
abs	n
100.0	0.0
Provides: doc. PhDr. Kristína Bosáková, PhD.	
Date of last modification: 17.09.2020	
Approved:	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: KFBLR/PRM-GM/16	**Course name:** Physical and Rehabilitation Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 6.

Course level: I.II.

Prerequisities: UA/A-GM2/14

Conditions for course completion:
Conditions for course completion:
1. 100% and active attendance
2. Monitoring of the study during the teaching part of the term
3. Final exam.
Students are required to participate at all parts (100 % participation). The exam will be in a written form. The course is assessed by an assessment mark. The mark reflects the quality of acquiring knowledge in accordance with the study subject objectives.
In distance form of study, the student is obliged to observe:
1st website of the Department of Physiatry, Balneology and Medical Rehabilitation where topics of lectures and exercises and recommended literature, teaching materials, announcements for students will be published. The student will study the topics of lectures in the form of self-study.
2. The student is also obliged to follow the AiS through which the topics of lectures and exercises and the forms of their processing and control will be entered on the electronic bulletin board of the subject.
Practical part: continuous checking of knowledge according to the teacher's instructions (seminar work, case reports, or other) - according to the schedule of exercises: according to a schedule once every 2 weeks.
The student is graded A to E or Fx.
Continuous assessment of theoretical knowledge should be included in the above requirements.
The exam is carried out in a distance form according to the teacher's instructions.

Learning outcomes:
Learning outcomes:
Prepare the students for the diagnostics, treatment and prevention of disabilities of all types and holistic approach to patient care, working with an interdisciplinary team of experts in many fields - nursing, physical therapy, occupational therapy, speech and language pathology, psychology, social work and others, help patients achieve their maximum functional capacity and highest quality of life.
Brief outline of the course:
1. Field of competence of physical and rehabilitation medicine (PRM). Definition, philosophy,

objectives and methodology. 2. PRM and the WHO ICF concept, including the use of Outcome Measures for assessing QOL, Functional Health. 3. Assessment in PRM, clinical and functional evaluation. 4. Kinesiology. 5. Main health interventions in PRM: Information, education, medical treatments, PRM programmes. 6. Physical modalities, therapeutic exercise, infiltration techniques, FES. 7. Orthoses, prostheses and assistive technology. 8. PRM and musculoskeletal disorders. 9. PRM and nerve lesions. 10. PRM and spine disorders, amputations. 11. PRM and disorders of nervous system, Stroke - from cell to society. 12. PRM and Spinal Cord Injury - from cell to society. 13. PRM and traumatic Brain Injury - from cell to society. 14. PRM, chronic neurological conditions (Parkinson´s disease, MS, etc.) and other specific disabling conditions (Elderly Patient, Child with Disability, Cardiopulmonary Patient, Cancer Patient, etc.). 15. PRM Services, PRM management, Community-based Rehabilitation, PRM Research.

Brief outline of the course:

1. Field of competence of physical and rehabilitation medicine (PRM). Definition, philosophy, objectives and methodology. 2. PRM and the WHO ICF concept, including the use of Outcome Measures for assessing QOL, Functional Health. 3. Assessment in PRM, clinical and functional evaluation. 4. Kinesiology. 5. Main health interventions in PRM: Information, education, medical treatments, PRM programmes. 6. Physical modalities, therapeutic exercise, infiltration techniques, FES. 7. Orthoses, prostheses and assistive technology. 8. PRM and musculoskeletal disorders. 9. PRM and nerve lesions. 10. PRM and spine disorders, amputations. 11. PRM and disorders of nervous system, Stroke - from cell to society. 12. PRM and Spinal Cord Injury - from cell to society. 13. PRM and traumatic Brain Injury - from cell to society. 14. PRM, chronic neurological conditions (Parkinson´s disease, MS, etc.) and other specific disabling conditions (Elderly Patient, Child with Disability, Cardiopulmonary Patient, Cancer Patient, etc.). 15. PRM Services, PRM management, Community-based Rehabilitation, PRM Research.

Recommended literature:

Recommended literature:
Weiss L., at al.: Oxford American Handbook of Physical Medicine and Rehabilitation, Oxford University Press, Oxford New York 2010, 482 p., ISBN 978-0-19-536777-5.

Course language:

Notes:

Course assessment

Total number of assessed students: 1691

A	B	C	D	E	FX
92.02	6.56	0.47	0.12	0.18	0.65

Provides: doc. MUDr. Peter Takáč, PhD., mim. prof., MUDr. Anna Kubincová, PhD., doc. doc. PhDr. Magdaléna Hagovská, PhD.

Date of last modification: 06.04.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UFZ/ Ph-GM1/17	**Course name:** Physiology 1

Course type, scope and the method:
Course type: Lecture / Practice / Controlled study hour
Recommended course-load (hours):
Per week: 3 / 4 / 1 **Per study period:** 42 / 56 / 14
Course method: present

Number of ECTS credits: 6

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities:

Conditions for course completion:
credit tests,

Learning outcomes:
obtained credits

Brief outline of the course:
Physiological principles. Homeostasis. Blood. Respiratory system. Cardiovascular system Excretory system.Digestive system.

Recommended literature:
Guyton - Hall: Textbook of Medical Physiology
Š.Kujaník: Practical lessons in Physiology. Part I. 1998
M.Pallayová,Š.Kujaník: Textbook of practical physiology Part I. - Cardiovascular Physiology 2013

Course language:
english

Notes:

Course assessment
Total number of assessed students: 2599

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
44.86	0.42	1.81	5.62	15.89	29.7	1.69

Provides: prof. MUDr. Viliam Donič, CSc., doc. MUDr. Mária Pallayová, PhD., prof. RNDr. Pavol Švorc, CSc., RNDr. Soňa Grešová, PhD., RNDr. Judita Štimmelová, PhD., MUDr. Andrea Brandeburová, MUDr. Martina Gáborová, PhD., MUDr. Igor Peregrim, PhD.

Date of last modification: 05.04.2017

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UFZ/ Ph-GM2/14	**Course name:** Physiology 2

Course type, scope and the method:
Course type: Lecture / Practice / Controlled study hour
Recommended course-load (hours):
Per week: 3 / 4 / 1 **Per study period:** 42 / 56 / 14
Course method: present

Number of ECTS credits: 8

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities: UFZ/Ph-GM1/17

Conditions for course completion:
credit tests, practical exam, final written test,oral exam,

Learning outcomes:
exam

Brief outline of the course:
Thermoregulation. General neurophysiology. Sensory physiology. Motor nervous system. Autonomous nervous system. Higher functions of the CNS. Physiology of the muscles and work. Endocrinology. Specialized lectures (childhood physiology, stress, biorhythms)

Recommended literature:
Guyton - Hall: Textbook of Medical Physiology
Š.Kujaník: Practical lessons in Physiology. Part II. 1998

Course language:
English

Notes:

Course assessment
Total number of assessed students: 2498

A	B	C	D	E	FX
12.57	9.77	19.18	16.05	36.55	5.88

Provides: prof. MUDr. Viliam Donič, CSc., doc. MUDr. Mária Pallayová, PhD., prof. RNDr. Pavol Švorc, CSc., RNDr. Judita Štimmelová, PhD., RNDr. Soňa Grešová, PhD., MUDr. Andrea Brandeburová, MUDr. Martina Gáborová, PhD., MUDr. Igor Peregrim, PhD.

Date of last modification: 18.02.2019

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: CJP/ LFPAGM/16	**Course name:** Practical English Grammar for Medical Students

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 2 **Per study period:** 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 2., 4.

Course level: I.II.

Prerequisities: KKF/LFMT/07

Conditions for course completion:
Method of instruction - distance/online (ms teams)
Active participation, max. 2 absences.
2 tests, mini-presentation.
A minimum final overall average of 60 percent is required. Students with a final overall average lower than 60 percent are not allowed to register for the final exam, i. e. their final grade is FX.
Exam - written test.
Finall assesment is based on the results of exam (50%) and continuous assessment (50%).
Scale: A 93-100 %, B 85-92 %, C 77-84 %, D 69-76 %, E 60-68 %, FX 59% and less.

Learning outcomes:
The development of language skills (reading, writing, speaking), improvement of linguistic competence (grammar and syntax), development of professional vocabulary with focus on English for General and Dental Medicine, level B1.

Brief outline of the course:
Tenses
Irregular verbs
Passive and active voice
Countable and uncountable nouns, adjectives and adverbs
Prepositions
Relative clauses
Modal verbs
Conditionals
Text cohesion and coherence
Language functions: defining, classifying, expressing function, cause and effect, purpose, result, making suggestions, giving advice etc.

Recommended literature:
Vince, M.: Macmillan English Grammar In Context. Intermediate. Macmillan Publishers Limited, 2007.
Vince, M.: Macmillan English Grammar In Context. Advanced. Macmillan Publishers Limited, 2008.

Thaine, C.: Cambridge Academic English. Intermediate. CUP, 2012.
James, D.V.: Medicine. Prentice Hall International Limited, 1992.

Course language:

Notes:

Course assessment
Total number of assessed students: 178

A	B	C	D	E	FX
35.96	24.72	16.29	11.8	7.3	3.93

Provides: PhDr. Marianna Škultétyová

Date of last modification: 14.02.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: CJP/ LFPSG/11	**Course name:** Practical Slovak Grammar

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 1 **Per study period:** 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 3., 5.

Course level: I.II.

Prerequisities: Dek. LF UPJŠ/SL-GM1/09,Dek. LF UPJŠ/SL-GM2/15

Conditions for course completion:
Active participation. Max. 2 absences. If the student is suspected (has a doctor-recommended isolation for COVID-19 symptoms or ordered PCR testing or COVID-19) or confirmed coronavirus disease (COVID-19), the student is obliged to inform the faculty and his/her teacher as the second recipient of the email (via email: lf-studijne@upjs.sk, firstname.surname@upjs.sk). The student with suspicion of illness is excluded from full-time teaching until the results of his negative PCR test. In this case the student continues with a substitutional study form in accordance with his/her teacher's instructions. Students write 2 continuous assessment tests (week 7 and week 13) during the semester. The minimum score of 60% for each test is required. There are no retakes during the semester. Students who have achieved less than 60% may have one retake of the test in week 14 (the minimum score of 60% percent is required). In the event of failure to attain the limit, the examination procedure is not permitted, and the student is graded FX – failed. Final assessment is based on the results of the final written exam. Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%. The study form: in person/distant/combined in accordance with epidemiological situation and the Rector's order (No.15/2020).

Learning outcomes:
Students with acquired skills of Slovak grammar are able to participate effectively with patients and also in a variety of common situations of everyday communication.

Brief outline of the course:
At the University. Human Body. Medical and Health Professions. In Hospital. Medical Examination. Communication Doctor – Patient. Selected Grammatical Features (grammatical cases; present, past and future tenses; prepositional phrases; imperative forms; conditional sentences; reflexive verbs with “sa/si“).

Recommended literature:
Materials prepared by teachers in print and electronic forms.

Course language:
Slovak Language A1.1 - A1.2

Notes:

Course assessment Total number of assessed students: 236					
A	B	C	D	E	FX
36.02	25.42	16.1	4.66	6.36	11.44
Provides: Mgr. Veronika Pálová					
Date of last modification: 20.09.2020					
Approved:					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: CJP/ LFPE/11	**Course name:** Presentations in English

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 1 **Per study period:** 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 3., 5.

Course level: I.II.

Prerequisities: KKF/LFMT/07

Conditions for course completion:
Active participation, max. 1 absence. (not being present during seminars or online lessons, failing to hand in the assignments on time)
Combined learning method consists of 2 regular classes (weeks 1. And 2.) and distance method (3.-14. week) with combining online classes with self-study.
1 test (online, through MS Teams), oral presentations (online, through MS Teams) (self-presentation, product/person presentation, conference presentation, case presentation)
A minimum final overall average of 60 percent is required. Students with a final overall average lower than 60 percent are not allowed to register for the final exam, i.e. their final grade is FX.
Exam - oral presentation (online, through MS Teams).
Final assessment is based on the results of exam (50%) and continuous assessment (50%).
Scale: A 93-100 %, B 85-92 %, C 77-84 %, D 69-76 %, E 60-68 %, FX 59% and less.

Learning outcomes:
Development of professional vocabulary with focus on medical English and language of oral presentations in the academic and medical environment, enhancement of presentation skills.

Brief outline of the course:
Types of presentations
Language of presentations
Conference presentations
Poster presentation
Structure of presentations
Presentation of data
Case presentation
Selected grammar (prepositional phrases, collocations, etc.)

Recommended literature:
Glendinning, E. H.- Howard, R.: Professional English in Use – Medicine, CUP, 2007
McCarthy, M., Felicity O´Dell: English Vocabulary in Use. Advanced. CUP, 2002
Williams, Erica J.: Presentations in English. MacMillan, 2008
Dictionary of Medicine. Peter Collin Publishing, 1996
Powel, M.: Dynamic Presentations. CUP, 2010

Armer, T.: Cambridge English for Scientists. CUP, 2011

Course language:
B1-B2 level according to CERF

Notes:

Course assessment
Total number of assessed students: 280

A	B	C	D	E	FX
65.0	15.71	9.64	4.64	1.07	3.93

Provides: Mgr. Viktória Mária Slovenská

Date of last modification: 17.09.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: IK/PM-GM/09	**Course name:** Preventive Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 1

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisities: IK/IM-GM2/19

Conditions for course completion:
1. For successful completion of the practical exercises/seminars is required:
- To participate at all of practical exercises, theoretical and practical performance of all exercises/seminars.
- To get at least 60 % of total score for ongoing review of written test and the theoretical training to practical exercises.
- Two absences are allowed /justified/
2. For successful obtained of the credits from subject is necessary:
- To gain the credit from practical exercises (paragraph 1 above).
- Evaluation: Study rules of procedure UPJŠ in Košice, the Faculty of Medicine, Part II, Art13
- The final classification includes the evaluation of the written test and the results obtained in practical exercises
Education can alternatively by conducted in a distant mode. The teachers will communicate with students by email, skype or other teleconference applications.
1. The presence of the students at individual practices will be recorded by their teachers.
2. Teachers will assign the tasks to students in the form of essays and solving case reports.
3. Knowledge assessment will be carried out by a distance test.
4. Completion of the course will be evaluated on the basis of the records of presence, written assignments and test results.

Learning outcomes:
Point out the importance of preventive medicine in practice.

Brief outline of the course:
Preventive medicine, definition, organization, education, public health.Preventive cardiology. Cancer – epidemiology, statistics, prevention. Nutrition, prevention of obesity, diabetes. Metabolic syndrome as a cardiovascular risk factor.Physical exercise – how much is too much.Prevention of Internal diseases from the perspective of patients with dental diseases.

The current timetable for a given term is published on the electronic bulletin board of the course in AiS2 or on the clinic's website.

Recommended literature:

1. Dzurenková, D., Marček, T., Hájková, M.: Essentials of Sports Medicine. Bratislava: CU, 2000. 22pp.
2. Marček, T. et all.: Sports Medicine (Manual of Practical Sports Medicine). Bratislava: CU, 1995.76 p.
3. Harries, M., Williams, C., Stanish, W.D., Micheli, L.J.: Oxford Textbook of Sports Medicine. Oxford: Oxford University Press, 1994. 748 p .

Course language:

english

Notes:

The subject Preventive Medicine is provided only in the summer term.

Course assessment

Total number of assessed students: 1418

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
36.74	62.41	0.07	0.07	0.0	0.71	0.0

Provides: prof. MUDr. Daniel Pella, PhD., MUDr. Ivan Majerčák, MUDr. Peter Horváth, Mgr. MUDr. Štefan Tóth, MBA, PhD., doc. MUDr. Viola Vargová, PhD.

Date of last modification: 05.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: 1. PK/ PT-GM1/18	**Course name:** Psychiatry 1
Course type, scope and the method: **Course type:** Lecture / Practice **Recommended course-load (hours):** **Per week:** 2 / 2 **Per study period:** 28 / 28 **Course method:** present	
Number of ECTS credits: 3	
Recommended semester/trimester of the course: 8.	
Course level: I.II.	
Prerequisities: 1. PK/PMC-GM/20,UPF/PP-GM1/16,UFR/PM-GM1/19	
Conditions for course completion: 1. Student has to attend minimally 90% of the practical lessons and minimally 50% of the lectures. In the case of absence, may substitute up to 3 practical lessons per semester. 2. Evaluation: active participation in practicals; permanent study check (control questions); Successful completion of the written test - minimum 60	
Learning outcomes: - to learn about the content of the subject, etiology and pathophysiology of mental disorders, psychopathology, principles of classification in psychiatry, syndromology of mental disorders, diagnosis and treatment of mental disorders and with the stress on communication with mentally ill patients	
Brief outline of the course: - psychiatry - history of psychiatry and its content - etiology and pathophysiology - psychopathology, signs and symptoms of mental disorders /disturbances of perception, mood, thinking, memory, motor activity and behavior, intelligence, consciousness and attention, personality/ - diagnosis in psychiatry - syndroms of mental disorders - principles of classification in clinical psychiatry - treatment of mental disorders - legal and ethical aspects considering psychiatric patients - communication with mentally ill patients – training of communication´s skills	
Recommended literature: 1. Puri, Treasaden, Textbook of Psychiatry, 3rd edition, Churchill Livingstone, Elsevier, 2011 2. Pridmore S. Download of Psychiatry, Front matter. Last modified: October, 2015. http:// eprints.utas.edu.au/287/	
Course language:	
Notes:	

Course assessment
Total number of assessed students: 1388

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
40.2	30.48	9.94	6.7	5.91	5.48	1.3

Provides: doc. MUDr. Ivan Dóci, PhD., Mgr. MUDr. Jozef Dragašek, PhD., MHA, MUDr. Jana Vančíková, PhD., MUDr. Aneta Bednářová, PhD., MUDr. Dominika Jarčušková, PhD., MUDr. Zuzana Vančová, PhD.

Date of last modification: 26.02.2019

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: 1. PK/ PT-GM2/18	**Course name:** Psychiatry 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: 1. PK/PT-GM1/18

Conditions for course completion:
1. Student has to attend minimally 90% of the practical lessons and minimally 50% of the lectures. In the case of absence, may substitute up to 3 practical lessons per semester.
2. Evaluation: active participation in practicals; permanent study check (control questions); Successful completion of the written test - minimum 60%.
3. Practical exam – case report and oral exam.

Learning outcomes:
To build up student´s skills on basic diagnostics, differential diagnosis and principles of therapy of specific groups of mental disorders, principles of first aid in psychiatry. He/she has been taught about legal status of mentally ill. Student fulfils requirements for communication with mentally ill patients and communication with another specialists and psychiatrists.

Brief outline of the course:
- schizophrenia and schizophrenia - like disorders
- mood disorders
- organic and symptomatic mental disorders, cognitive disorders
- reactive (stress-related) mental disorders, anxiety, obsessive - compulsive, somatoform and dissociative disorders,...
- alcoholism and other substance use disorders
- mental disorders of childhood and adolescence
- geriatric psychiatry
- personality disorders
- psychiatric sexuology
- emergency psychiatry, first aid in psychiatry
- biological treatment in psychiatry
- psychopharmacology
- psychotherapy, psychoeducation, rehabilitation in psychiatry
- social psychiatry
- legal and ethical principles in psychiatry

Recommended literature:

Psychiatry and Pedopsychiatry, Hosák Ladislav - Hrdlička Michal et al. Karolinum 2017 ISBN 9788024633787
Pridmore, S (2006) Download of Psychiatry, University of Tasmania, http:// eprints.utas.edu.au/287/

Course language:

Notes:

Course assessment
Total number of assessed students: 1195

A	B	C	D	E	FX
82.51	11.72	3.51	1.26	0.75	0.25

Provides: doc. MUDr. Ivan Dóci, PhD., Mgr. MUDr. Jozef Dragašek, PhD., MHA, MUDr. Aneta Bednářová, PhD., MUDr. Jana Vančíková, PhD., MUDr. Dominika Jarčušková, PhD., MUDr. Zuzana Vančová, PhD.

Date of last modification: 18.09.2018

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: 1. PK/ PMC-GM/20	**Course name:** Psychology and Medical Communication

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 2 **Per study period:** 14 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 6.

Course level: I.II.

Prerequisities: ULBL/B-GM2/12,UFZ/Ph-GM2/14

Conditions for course completion:
1. At least 90% active participation is obligatory on the practical lessons. The most 3 practical lessons are allowed to compensate when legitimate absences occured during the semester.
2 Evaluation: active participation in practicals; permanent study check (control questions);
Successful completion of the written test - minimum 60% .

Learning outcomes:
Get knowledge in basic psychological terminology, stressing clinical psychology, and its application in different medical settings. Basic orientation in main theories of personality and models of psychopathology. Psychodiagnostics and its use in clinical practice in specific medical situations, considering specific mental health changes. Psychotherapy – gain orientation in basic psychotherapeutic approaches, in basic psychotherapeutic methods. Possibilities and limits of psychotherapy in medical specializations. Bio-psycho-social model of health and illness. Psychosomatic disorders and their managment. Theoretical and practical knowledge of principles of effective verbal and nonverbal communication in general, as well as their implementation in difficult interpersonal situations (partner, professional relationships, relationship patient-physician, physician-patientś relative).

Brief outline of the course:
• Psychology as a profession, theoretical and application disciplines, clinical psychologist as a member of the diagnostic and therapeutic team
• Problem of personality, main teories of personality, and main models of psychopathology. The problem of normality
• Psychodiagnostics – basic methods used in clinical practice, their indication and practical contribution in the process of treatment
• Psychotherapy – main theories and schools. Basic methods of psychotherapy. Indications of psychotherapy considering the specific disorder.
• Bio-psycho-social model of illness and health, psychosomatic disorders, behavioral medicine, psychohygiene.
• Verbal and nonverbal communication, principles of effective communication. Managment of difficult situations in medical practice.

Recommended literature:

M.W. Eysenck: Fundamentals of psychology, Psychology press, 2009

Course language:

Notes:

Course assessment
Total number of assessed students: 2014

A	B	C	D	E	FX
26.12	29.39	22.89	12.16	8.69	0.74

Provides: PhDr. Martina Chylová, PhD., PhDr. Milana Kovaničová, CSc., Mgr. Lívia Peštová, Mgr. Jana Schrötter, PhD., Mgr. Kristína Kažimírová

Date of last modification: 26.02.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: 1. PK/ PTR-GM/09	**Course name:** Psychotherapy

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: 1. PK/PMC-GM/20,UFZ/Ph-GM2/14

Conditions for course completion:
1. Compulsory attendance on at least 90 % of all of lectures held during semester and participate in all seminars.
2. Evaluation: active participation in practicals; permanent study check (control questions).
3. Final exam

Learning outcomes:
Practical application of theoretic knowledge on main psychotherapeutic approaches and methods – psychoanalysis, cognitive-behavioral, gestalt, and training procedures. Possibilities and limits of psychotherapy in psychiatry and other medical settings. Diagnostic vs. psychotherapeutic interview. Construction of the psychotherapeutic plan. Principles of individual and group psychotherapy.

Brief outline of the course:
• Psychotherapy as profession, its history and development
• Psychotherapeutic methods – interview, dialog, training
• Indications of pschotherapy (psychiatry, other medical settings)
• Relaxation and hypnosis
• Psychological transfer in medicine

Recommended literature:
M. W. Eysenck: Fundamentals of psychology, Psychology Press, 2009

Course language:

Notes:

Course assessment
Total number of assessed students: 320

A	B	C	D	E	FX
88.75	10.94	0.31	0.0	0.0	0.0

Provides: Mgr. MUDr. Jozef Dragašek, PhD., MHA, PhDr. Milana Kovaničová, CSc., PhDr. Martina Chylová, PhD.

Date of last modification: 19.09.2017

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KRZM/R-GM/14	**Course name:** Radiodiagnostic

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Written test.

Learning outcomes:
Radio imaging methods and procedures, physical principles. Orientation in classical radiology. Control of USG, CT, MR, angiographic and interventional methods. Practical exercises at the clinic.

Brief outline of the course:
- Fundamentals of physics and biophysics.
- Ionizing radiation.
- Diagnostic modalities.
- Using imaging methods to display individual organs.
- Imaging modalities of the bones, nervous system, chest, abdominal organs, vascular system.
- Intervention methods.

Recommended literature:
Muchová, T., Rádiológia pre medikov. Košice: UPJŠ 2017

Course language:

Notes:

Course assessment
Total number of assessed students: 1629

A	B	C	D	E	FX
35.36	19.58	19.4	12.95	12.15	0.55

Provides: MUDr. Tatiana Špakovská, PhD., MUDr. Nora Lešková, MUDr. Katarína Kriegerová, PhD., MUDr. Piotr Pedowski, MUDr. Maroš Rudnay, Mgr. MUDr. René Hako, PhD., MHA, MPH, MUDr. Peter Mach, CSc., MUDr. Tatiana Muchová, PhD., MPH

Date of last modification: 21.02.2019

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KRO/ RCO-GM1/14	**Course name:** Radiotherapy and Clinical Oncology 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 1

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: KRZM/R-GM/14,KNM/NM-GM/14

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1223

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
45.05	53.97	0.33	0.49	0.0	0.16	0.0

Provides: MUDr. Igor Andrašina, CSc., MUDr. Valér Kováč, PhD., MUDr. Dominik Šafčák, PhD.

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KRO/ RCO- GM2/14	**Course name:** Radiotherapy and Clinical Oncology 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: KRO/RCO-GM1/14

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1211

A	B	C	D	E	FX
37.41	31.54	20.48	8.42	2.06	0.08

Provides: MUDr. Valér Kováč, PhD., MUDr. Igor Andrašina, CSc., MUDr. Dominik Šafčák, PhD.

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KDaD/ RD-GM/19	**Course name:** Rare Diseases

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: ULCHBKB/MBCH-GM2/20,UPF/PP-GM2/16

Conditions for course completion:
exam pass

Learning outcomes:
To obtain general information about rare diseases, to know clinical manifestations, laboratory diagnostics and treatment options of the most commmonly occuring in the childhood.

Brief outline of the course:
This course provides an introduction to rare diseases, their screening, diagnosis and treatment in general. National and transnational registers, as well as, social issues. Students will learn about the characteristics, clinical picture, diagnostics treatment and prognosis of the most common rare diseases – inherited metabolic disorders, endocrine diseases, cystic fibrosis, neurological diseases with emphasis on the pediatric patient.

Recommended literature:
1. Zschocke J, Hoffman GF, Vademecum Metabolicum, 2004,2nd edition Schattauer
2. Fernandes J, Saudubray JM, van den Berghe G., Walter JH. Inborn Metabolic Diseases, Diagnosis And Treatment, 2006, 2nd edition, Springer

Course language:

Notes:

Course assessment
Total number of assessed students: 6

A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0

Provides: MUDr. Juliana Ferenczová, PhD.

Date of last modification: 19.11.2019

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: CJP/ LFCLTS/16	**Course name:** Reading Medical Texts in Slovak

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 2 **Per study period:** 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 6., 8., 10.

Course level: I.II.

Prerequisities: Dek. LF UPJŠ/SL-DM4/15 and leboDek. LF UPJŠ/SL-GM4/15

Conditions for course completion:
Students are required to attend classes according to the schedule. Active participation is required. Students are not allowed to have more than 1 absence during the semester. Students are expected to be on time to class. In case of late arrivals which happen more than 3 times, students are given an absence. There is 1 written test (week 6/7). The result of the test must be at least 60%. Students are given an opportunity to retake the test in the last week of the semester (week 14). Students with a result lower than 60% in the summer semester are not allowed to register for the final exam, i.e., their final grade is FX. The final assessment is based on the result of the final written exam. Grading scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60% FX 59% and less. The study form: in person/distant/combined in accordance with epidemiological situation and Rector's ordinances.

Learning outcomes:
Consolidation of students' language skills (reading comprehension, pronunciation), the acquisition of grammatical and lexical structures and stylistic characteristics of specialised written discourse at A2 – B1 level.

Brief outline of the course:
Human Anatomy. Specialised Medical Examinations. Hospital Departments. Current Medical Problems.

Recommended literature:
Selected texts prepared by the teacher.

Course language:
English level B2 / Slovak level A2

Notes:

Course assessment
Total number of assessed students: 0

A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0

Provides: PhDr. Lucia Tóthová, Mgr. Veronika Pálová

Date of last modification: 10.02.2021
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: Dek. LF UPJŠ/SDT-GM1/17	**Course name:** Seminar of Diploma Thesis 1

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 30s
Course method: present

Number of ECTS credits: 1

Recommended semester/trimester of the course: 7.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1439

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
98.05	0.28	0.0	0.0	0.0	0.0	1.67

Provides: Mgr. Iveta Rajničová Nagyová, PhD., Mgr. Pavol Mikula, PhD., Mgr. Alexandra Husivargová, Mgr. Vladimíra Timková, PhD., doc. RNDr. Peter Solár, PhD., RNDr. Martina Šemeláková, PhD., MUDr. Zuzana Katreniaková, PhD.

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: Dek. LF UPJŠ/SDT-GM2/12	**Course name:** Seminar of Diploma Thesis 2

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 30s
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1391

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
98.13	1.22	0.14	0.14	0.0	0.0	0.36

Provides: RNDr. Lucia Klimčáková, PhD., RNDr. Helena Mičková, PhD., RNDr. Eva Slabá, PhD., doc. RNDr. Peter Solár, PhD., prof. RNDr. Ján Šalagovič, PhD., RNDr. Martina Šemeláková, PhD., RNDr. Jozef Židzik, PhD.

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: Dek. LF UPJŠ/SDT-GM3/12	**Course name:** Seminar of Diploma Thesis 3

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 50s
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1179

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
98.13	0.93	0.25	0.0	0.0	0.08	0.59

Provides: doc. MUDr. Ján Lepej, CSc., MUDr. Marek Pytliak, PhD., MUDr. Róbert Rapčan, PhD., doc. RNDr. Peter Solár, PhD., prof. RNDr. Ján Šalagovič, PhD., RNDr. Martina Šemeláková, PhD., MUDr. Štefan Ivanecký

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: Dek. LF UPJŠ/SDT-GM4/12	**Course name:** Seminar of Diploma Thesis 4

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 50s
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1169

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
97.52	1.28	0.0	0.09	0.0	0.09	1.03

Provides: doc. MUDr. Ján Lepej, CSc., doc. RNDr. Peter Solár, PhD., prof. RNDr. Ján Šalagovič, PhD., RNDr. Martina Šemeláková, PhD., RNDr. Lucia Klimčáková, PhD., RNDr. Helena Mičková, PhD., RNDr. Eva Slabá, PhD., RNDr. Jozef Židzik, PhD.

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: Dek. LF UPJŠ/SL-GM1/09	**Course name:** Slovak Language 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 4 **Per study period:** 0 / 56
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course:

Course level: I.II.

Prerequisities:

Conditions for course completion:
Active participation during the study period: Max. 4 absences. If the student is suspected (has a doctor-recommended isolation for COVID-19 symptoms or ordered PCR testing or COVID-19) or confirmed coronavirus disease (COVID-19), the student is obliged to inform the faculty and his/her teacher as the second recipient of the email (via email: lf-studijne@upjs.sk, firstname.surname@upjs.sk). A student with suspicion of illness is excluded from full-time teaching until the results of his negative PCR test. In this case the student continues with a substitutional study form in accordance with his/her teacher's instructions.
Students write 2 continuous assessment tests (week 6/7 and week 12/13) during the semester. The result of each test must be at least 60 percent. Students are given an opportunity to write the retake of the test with the results lower than 60 percent in the last week of the semester (week 14). The result of the retake test must be minimum 60 %. In case, that the minimum score of 60 % is not achieved, the student receives a grade FX.
Final assessment is based on the results of 2 continuous assessment tests. Grading scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60% FX 59% and less. The study form: in person/distant/ combined in accordance with epidemiological situation and the Rector's order (No.15/2020).

Learning outcomes:
Students achieve basic language skills with the focus on the communication in selected general and medical topics - language level A1.1.

Brief outline of the course:
Human Body. In the Hospital. Health Care Professionals. Doctor - Patient Communication. Personal and Family History - Introduction.
My Family. In the Town. Medical Faculty, Accommodation.
Numerals (0 – 100). Days of the Week. Personal Pronouns. Nouns – Grammatical Gender. Verbs - Conjugation in Present Tense.

Recommended literature:
Madárová, I., Barnišinová, L., Pálová, V.: Pán doktor, hovoríte po slovensky? Košice, UPJŠ 2019.
Kamenárová, R. a kol.: Krížom-krážom. Slovenčina A1. Bratislava: Univerzita Komenského 2007 (+CD).

Ivoríková, H. a kol.: Krížom-krážom. Slovenčina A1+A2. Cvičebnica. Bratislava: Univerzita Komenského 2009.
Sedláková, M. a kol.: Slovenčina pre cudzincov. Pracovné listy. Košice: UPJŠ 2013.
www.slovake.eu

Course language:
English B2

Notes:

Course assessment
Total number of assessed students: 3576

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
45.83	10.43	10.93	8.95	8.81	10.68	4.36

Provides: Oksana Humenna, CSc., PhDr. Lucia Tóthová, PaedDr. Lívia Barnišinová, PhD., PhDr. Beáta Jurečková, PhD., Ing. Mgr. Ingrid Madárová, PhD., Mgr. Veronika Pálová

Date of last modification: 21.09.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: Dek. LF UPJŠ/SL-GM2/15	**Course name:** Slovak Language 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 4 **Per study period:** 0 / 56
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course:

Course level: I.II.

Prerequisities: Dek. LF UPJŠ/SL-GM1/09

Conditions for course completion:
Students are required to attend Slovak language classes according to the schedule. Active participation is required. Students are not allowed to have more than two absences during the semester. Students are expected to be on time to class. In case of late arrivals which happen more than 3 times, students are given an absence. There is one continuous oral assessment (week 7/8). The result of the continuous oral assessment must be at least 60%. Students are given an opportunity to retake the continuous oral assessment in the last week of the semester (week 14). Students with a final result lower than 60% in the summer semester are not allowed to register for the final exam, i.e. their final grade is FX. The final assessment is based on the result of the final oral exam (60%) and the continuous oral assessment (40%). The final mark = the final oral exam (60%) + the continuous oral assessment (40%) = 100%. Grading scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60% FX 59% and less. The study form: in person/distant/combined in accordance with epidemiological situation.

Learning outcomes:
Students are able to communicate with patients at the basic level, ask questions, give advice, etc. Language level A1.2.

Brief outline of the course:
Medical Topics: At the Doctor's: Vyšetrím vás. Budete užívať lieky. Health Problems: Máte problémy s trávením? Healthy Food. Diet: Nesmiete jesť potraviny s laktózou. At the Doctor's: Mali ste hnačku? At the Doctor's: Čo ste jedli? Daily Routine: Čo ste robili? In the Hospital: Na príjme. Referral to a Specialist: Pôjdete k očnému lekárovi. At the Doctor's: Odmeriam vám tlak.
Grammar: Future Tense. Perfective and Imperfective Verbs in Medical Communication.Verbs: ísť, odísť, prísť. Instrumental Case. Verbs: jesť, piť. Modal Verbs – Present Tense. Past Tense I. Past Tense II – Irregular Verbs. Past Tense III. – Questions, Word Order. Locative Case. Dative Case – Nouns, Prepositions.
Dative Case – Pronouns, Word Formations.

Recommended literature:
Madárová, I., Barnišinová, L., Pálová, V.: Pán doktor, hovoríte po slovensky? Košice, UPJŠ 2019.

Kamenárová, R. a kol.: Krížom-krážom. Slovenčina A1. Bratislava: Univerzita Komenského 2007 (+CD).
Sedláková, M. a kol.: Slovenčina pre cudzincov. Pracovné listy. Košice: UPJŠ 2013.
Doplnkové materiály pripravené vyučujúcimi v printovej a elektronickej forme.
http://www.slovake.eu

Course language:
English level B2 / Slovak level A1.1

Notes:

Course assessment
Total number of assessed students: 3185

A	B	C	D	E	FX
26.75	19.53	18.49	15.04	16.51	3.67

Provides: Oksana Humenna, CSc., PhDr. Lucia Tóthová, PaedDr. Lívia Barnišinová, PhD., PhDr. Beáta Jurečková, PhD., Ing. Mgr. Ingrid Madárová, PhD., Mgr. Veronika Pálová

Date of last modification: 09.02.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: Dek. LF UPJŠ/SL-GM3/15	**Course name:** Slovak Language 3

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 2 **Per study period:** 0 / 28
Course method: present

Number of ECTS credits: 1

Recommended semester/trimester of the course:

Course level: I.II.

Prerequisities: Dek. LF UPJŠ/SL-GM2/15

Conditions for course completion:
Active participation during the study period: Max. 2 absences. If the student is suspected (has a doctor-recommended isolation for COVID-19 symptoms or ordered PCR testing or COVID-19) or confirmed coronavirus disease (COVID-19), the student is obliged to inform the faculty and his/her teacher as the second recipient of the email (via email: lf-studijne@upjs.sk, firstname.surname@upjs.sk). A student with suspicion of illness is excluded from full-time teaching until the results of his negative PCR test. In this case the student continues with a substitutional study form in accordance with his/her teacher's instructions.
Students write 2 continuous assessment tests (week 6/7 and week 12/13) during the semester. The result of each test must be at least 60 percent. Students are given an opportunity to write the retake of the test with the results lower than 60 percent in the last week of the semester (week 14). The result of the retake test must be minimum 60 %. In case, that the minimum score of 60 % is not achieved, the student receives a grade FX.
Final assessment is based on the results of 2 continuous assessment tests. Grading scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60% FX 59% and less. The study form: in person/distant/ combined in accordance with epidemiological situation and the Rector's order (No.15/2020).

Learning outcomes:
Students are able to communicate with patients, ask questions; give advice or instructions - language level A1.2.

Brief outline of the course:
Special Medical Examinations. The First Contact with a Patient. Patient's Personal Data. Family History. Personal History. Localization of Pain. Provoking and Inhibiting Factors.
Genitive Case – Selectively. The Imperative. Past Tense. Modal Verbs.

Recommended literature:
1. Petruňová, H.: How to Use Slovak in a Medical Environment – Basic Slovak for Medical Students.
Košice: UPJŠ 2019.
2. Madárová, I., Barnišinová, L., Pálová, V.: Pán doktor, hovoríte po slovensky? Košice, UPJŠ 2019.
3. Doplnkové materiály pripravené vyučujúcimi v printovej a elektronickej forme.

Course language:
English B2, Slovak A1.1.

Notes:

Course assessment
Total number of assessed students: 2470

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
41.42	6.11	8.5	12.63	12.02	13.24	6.07

Provides: Oksana Humenna, CSc., PaedDr. Lívia Barnišinová, PhD., PhDr. Beáta Jurečková, PhD., Ing. Mgr. Ingrid Madárová, PhD., Mgr. Veronika Pálová, PhDr. Lucia Tóthová, Mgr. Silvia Oravcová

Date of last modification: 20.09.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: Dek. LF UPJŠ/SL-GM4/15	**Course name:** Slovak Language 4

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 2 **Per study period:** 0 / 28
Course method: present

Number of ECTS credits: 1

Recommended semester/trimester of the course:

Course level: I.II.

Prerequisities: Dek. LF UPJŠ/SL-GM3/15

Conditions for course completion:
Students are required to attend Slovak language classes according to the schedule. Active participation is required.
Students are not allowed to have more than one absence during the semester.
Students are expected to be on time to class. In case of late arrivals which happen more than 3 times, students are given an absence.
There is one continuous oral assessment (week 7/8). The result of the continuous oral assessment must be at least 60%. Students are given an opportunity to retake the continuous oral assessment in the last week of the semester (week 14). Students with a final result lower than 60% in the summer semester are not allowed to register for the final exam, i.e. their final grade is FX. The final assessment is based on the result of the final oral exam (60%) and the continuous oral assessment (40%). The final mark = the final oral exam (60%) + the continuous oral assessment (40%) = 100%.
Grading scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60% FX 59% and less.
The study form: in person/distant/combined in accordance with epidemiological situation.

Learning outcomes:
Students are able to communicate with patients at the basic level at specialized departments in hospital. Language level A2.1.

Brief outline of the course:
Medical Topics: Drug History. Allergies. Social History. Addictions. Gynaecologic History. Pregnancy and Obstetric History.
History Taking in Paediatrics. History Taking in Surgery. Cardiovascular Diseases. History Taking in Neurology.
Grammar: The Dative Case. Comparison of Adjectives and Adverbs. Imperative Forms in Informal Communication. Conditional.

Recommended literature:
Petruňová, H.: How to Use Slovak in a Medical Environment – Basic Slovak for Medical Students. Košice: UPJŠ 2019.
Džuganová, B. a kol.: Lekárska slovenčina pre zahraničných študentov. Bratislava: Univerzita Komenského 2013
Doplnkové materiály pripravené vyučujúcimi v printovej a elektronickej forme.

http://www.slovake.eu

Course language:
English level B2/ Slovak level A1.2

Notes:

Course assessment
Total number of assessed students: 2229

A	B	C	D	E	FX
25.98	21.98	19.96	14.4	14.36	3.32

Provides: PaedDr. Lívia Barnišinová, PhD., Oksana Humenna, CSc., PhDr. Beáta Jurečková, PhD., Ing. Mgr. Ingrid Madárová, PhD., Mgr. Veronika Pálová, PhDr. Lucia Tóthová

Date of last modification: 10.02.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: CJP/ LFKZSL1/16	**Course name:** Slovak Language Communication Skills for Medical Practice 1

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 2 **Per study period:** 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 3., 5., 7.

Course level: I.II.

Prerequisities: Dek. LF UPJŠ/SL-GM2/15

Conditions for course completion:
Active participation. Max. 2 absences. If the student is suspected (has a doctor-recommended isolation for COVID-19 symptoms or ordered PCR testing or COVID-19) or confirmed coronavirus disease (COVID-19), the student is obliged to inform the faculty and his/her teacher as the second recipient of the email (via email: lf-studijne@upjs.sk, firstname.surname@upjs.sk). A student with suspicion of illness is excluded from full-time teaching until the results of his negative PCR test. In this case the student continues with a substitutional study form in accordance with his/her teacher's instructions. 2 continuous assessment tests (week 7 and 13). The minimum score of 60% for each test is required. There are no retakes during the semester. Students who have achieved less than 60% may have one retake of the test in week 14 (the minimum score of 60% percent is required). In the event of failure to attain the limit, the examination procedure is not permitted, and the student is graded FX – failed. Final assessment is based on the results of the oral exam (50%), the oral exam is based on thematic topics, and tests (50%). Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%. The study form: in person/distant/combined in accordance with epidemiological situation and the Rector's order (No.15/2020).

Learning outcomes:
The development of language skills (listening, speaking, reading, writing,), development of the linguistic and pragmatic component of students' communicative language competence with focus on Slovak for specific purposes for general medicine.

Brief outline of the course:
Self-presentation. Human Body. Diseases and Illnesses, Signs and Symptoms of Particular Diseases and Illnesses. Medical and Health Professions. Medical History. Family History. At the Department of Surgery. At the Accident and Emergency Department. At the Department of Orthopaedics. Doctor-Patient Communication. Healthy Lifestyle. Hobbies and Free-Time Activities. Sports.
Selected Grammatical Features and Language Functions (conditional sentences and imperative, morphology, medical and general vocabulary, phrasal idioms).

Recommended literature:
Materials prepared by teachers in print and electronic forms.

Course language:

Slovak Language A1.1 - A1.2

Notes:

Course assessment
Total number of assessed students: 17

A	B	C	D	E	FX
82.35	11.76	5.88	0.0	0.0	0.0

Provides: PhDr. Lucia Tóthová, Mgr. Veronika Pálová

Date of last modification: 20.09.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: CJP/ LFKZSL2/16	**Course name:** Slovak Language Communication Skills for Medical Practice 2
Course type, scope and the method: **Course type:** Practice **Recommended course-load (hours):** **Per week:** 2 **Per study period:** 28 **Course method:** present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course: 4., 6., 8.	
Course level: I.II.	
Prerequisities: CJP/LFKZSL1/16	
Conditions for course completion: Students are required to attend classes according to the schedule. Active participation is required. Students are not allowed to have more than 1 absence during the semester. Students are expected to be on time to class. In case of late arrivals which happen more than 3 times, students are given an absence. There is 1 continuous oral assessment (week 6/7). The result of the continuous assessment must be at least 60%. Students are given an opportunity to retake the continuous assessment in the last week of the semester (week 14). Students with a result lower than 60% in the summer semester are not allowed to register for the final exam, i.e., their final grade is FX. The final assessment is based on the result of the final oral exam. Grading scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60% FX 59% and less. The study form: in person/distant/combined in accordance with epidemiological situation and Rector's ordinances.	
Learning outcomes: The development of language skills (reading, listening, speaking), improvement of linguistic and pragmatic competence with focus on English for specific/professional purposes – General medicine.	
Brief outline of the course: Doctor – patient communication. At the Department of Gastroenterology. At the Department of Paediatrics. At the Department of Cardiology. At the Department of Neurology. At the Department of Otorhinolaryngology. At the Department of Allergology and Immunology. At the Department of Dermatology. At the Department of Ophthalmology. At the Department of Stomatology. At the Department of Psychiatry.	
Recommended literature: Materials prepared by the teacher.	
Course language: Slovak Language A2	
Notes:	

Course assessment
Total number of assessed students: 6

A	B	C	D	E	FX
66.67	0.0	33.33	0.0	0.0	0.0

Provides: Mgr. Veronika Pálová

Date of last modification: 10.02.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: CJP/ LFSM/16	**Course name:** Slovak Language in Medicine

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 2 **Per study period:** 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 4., 6.

Course level: I.II.

Prerequisities: Dek. LF UPJŠ/SL-DM2/15 and leboDek. LF UPJŠ/SL-GM2/15

Conditions for course completion:
Students are required to attend classes according to the schedule. Active participation is required. Students are not allowed to have more than 1 absence during the semester. Students are expected to be on time to class. In case of late arrivals which happen more than 3 times, students are given an absence. There is 1 written test (week 6/7). The result of the test must be at least 60%. Students are given an opportunity to retake the test in the last week of the semester (week 14). Students with a result lower than 60% in the summer semester are not allowed to register for the final exam, i.e., their final grade is FX. The final assessment is based on the result of the final written exam. Grading scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60% FX 59% and less. The study form: in person/distant/combined in accordance with epidemiological situation and Rector's ordinances.

Learning outcomes:
Consolidation of students' language skills (reading comprehension), the acquisition of grammatical and lexical structures and stylistic characteristics of specialised written and oral discourse at A2.1 level.

Brief outline of the course:
Selected grammatical and lexical structures and stylistic characteristics of specialised written and oral discourse. Grammatical tenses and cases. Word-formation. Imperative Forms. Condicional. Phrasal idioms and phrases in medicine.

Recommended literature:
Materials prepared by the teacher.

Course language:
Slovak language A2

Notes:

Course assessment
Total number of assessed students: 33

A	B	C	D	E	FX
54.55	39.39	0.0	6.06	0.0	0.0

Provides: PhDr. Lucia Tóthová, Mgr. Veronika Pálová
Date of last modification: 10.02.2021
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: USBM/SM-GM/14	**Course name:** Social Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 2 **Per study period:** 14 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 2.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 2462

A	B	C	D	E	FX
19.74	34.2	27.78	12.35	4.55	1.38

Provides: Mgr. Iveta Rajničová Nagyová, PhD., Mgr. Pavol Mikula, PhD., Mgr. Vladimíra Timková, PhD., MUDr. Zuzana Katreniaková, PhD., Mgr. Alexandra Husivargová

Date of last modification: 14.09.2015

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ÚTVŠ/ TVa/11	**Course name:** Sports Activities I.
Course type, scope and the method: **Course type:** Practice **Recommended course-load (hours):** **Per week:** 2 **Per study period:** 28 **Course method:** combined, present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course: 1.	
Course level: I., I.II., II.	
Prerequisities:	
Conditions for course completion: Min. 80% of active participation in classes.	
Learning outcomes: Sports activities in all their forms prepare university students for their professional and personal life. They have a great impact on physical fitness and performance. Specialization in sports activities enables students to strengthen their relationship towards the selected sport in which they also improve.	
Brief outline of the course: Brief outline of the course: Within the optional subject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik University provides for students the following sports activities: aerobics, aikido, basketball, badminton, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, indoor football, S-M systems, step aerobics, table tennis, tennis, volleyball and chess. In the first two semesters of the first level of education students will master basic characteristics and particularities of individual sports, motor skills, game activities, they will improve level of their physical condition, coordination abilities, physical performance, and motor performance fitness. Last but not least, the important role of sports activities is to eliminate swimming illiteracy and by means of a special program of medical physical education to influence and mitigate unfitness. In addition to these sports, the Institute offers for those who are interested winter and summer physical education trainings with an attractive program and organises various competitions, either at the premises of the faculty or University or competitions with national or international participation.	
Recommended literature:	
Course language:	
Notes:	

Course assessment
Total number of assessed students: 12859

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
87.01	0.08	0.0	0.0	0.0	0.04	8.1	4.77

Provides: Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Marcel Čurgali, Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Bc. Richard Melichar, Mgr. Petra Tomková, PhD.

Date of last modification: 13.05.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ÚTVŠ/ TVb/11	**Course name:** Sports Activities II.

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 2 **Per study period:** 28
Course method: combined, present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 2.

Course level: I., I.II., II.

Prerequisities:

Conditions for course completion:
active participation in classes - min. 80%.

Learning outcomes:
Sports activities in all their forms prepare university students for their professional and personal life. They have a great impact on physical fitness and performance. Specialization in sports activities enables students to strengthen their relationship towards the selected sport in which they also improve.

Brief outline of the course:
Within the optional subject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik University provides for students the following sports activities: aerobics, aikido, basketball, badminton, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, indoor football, S-M systems, step aerobics, table tennis, tennis, volleyball and chess.
In the first two semesters of the first level of education students will master basic characteristics and particularities of individual sports, motor skills, game activities, they will improve level of their physical condition, coordination abilities, physical performance, and motor performance fitness. Last but not least, the important role of sports activities is to eliminate swimming illiteracy and by means of a special program of medical physical education to influence and mitigate unfitness.
In addition to these sports, the Institute offers for those who are interested winter and summer physical education trainings with an attractive program and organises various competitions, either at the premises of the faculty or University or competitions with national or international participation.

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 11675

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
84.52	0.56	0.02	0.0	0.0	0.05	10.63	4.22

Provides: Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Marcel Čurgali, Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Bc. Richard Melichar, Mgr. Petra Tomková, PhD.
Date of last modification: 13.05.2021
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ÚTVŠ/ TVc/11	**Course name:** Sports Activities III.

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 2 **Per study period:** 28
Course method: combined, present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 3., 5., 7., 9.

Course level: I., I.II., II.

Prerequisities:

Conditions for course completion:
min. 80% of active participation in classes

Learning outcomes:
Sports activities in all their forms prepare university students for their professional and personal life. They have a great impact on physical fitness and performance. Specialization in sports activities enables students to strengthen their relationship towards the selected sport in which they also improve.

Brief outline of the course:
Within the optional subject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik University provides for students the following sports activities: aerobics, aikido, basketball, badminton, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, indoor football, S-M systems, step aerobics, table tennis, tennis, volleyball and chess.
In the first two semesters of the first level of education students will master basic characteristics and particularities of individual sports, motor skills, game activities, they will improve level of their physical condition, coordination abilities, physical performance, and motor performance fitness. Last but not least, the important role of sports activities is to eliminate swimming illiteracy and by means of a special program of medical physical education to influence and mitigate unfitness.
In addition to these sports, the Institute offers for those who are interested winter and summer physical education trainings with an attractive program and organises various competitions, either at the premises of the faculty or University or competitions with national or international participation.

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 7873

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
88.8	0.05	0.01	0.0	0.0	0.03	4.08	7.04

Provides: Mgr. Marcel Čurgali, Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Bc. Richard Melichar, Mgr. Petra Tomková, PhD.
Date of last modification: 13.05.2021
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ÚTVŠ/ TVd/11	**Course name:** Sports Activities IV.

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 2 **Per study period:** 28
Course method: combined, present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 4., 6., 8., 10.

Course level: I., I.II., II.

Prerequisities:

Conditions for course completion:
min. 80% of active participation in classes

Learning outcomes:
Sports activities in all their forms prepare university students for their professional and personal life. They have a great impact on physical fitness and performance. Specialization in sports activities enables students to strengthen their relationship towards the selected sport in which they also improve.

Brief outline of the course:
Within the optional subject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik University provides for students the following sports activities: aerobics, aikido, basketball, badminton, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, indoor football, S-M systems, step aerobics, table tennis, tennis, volleyball and chess.
In the first two semesters of the first level of education students will master basic characteristics and particularities of individual sports, motor skills, game activities, they will improve level of their physical condition, coordination abilities, physical performance, and motor performance fitness. Last but not least, the important role of sports activities is to eliminate swimming illiteracy and by means of a special program of medical physical education to influence and mitigate unfitness.
In addition to these sports, the Institute offers for those who are interested winter and summer physical education trainings with an attractive program and organises various competitions, either at the premises of the faculty or University or competitions with national or international participation.

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 5125

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
83.14	0.31	0.04	0.0	0.0	0.0	7.75	8.76

Provides: Mgr. Marcel Čurgali, Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Bc. Richard Melichar, Mgr. Petra Tomková, PhD.
Date of last modification: 13.05.2021
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: 1. IK/ SM-GM/19	**Course name:** Sports Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 **Per study period:** 14 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 7.

Course level: I.II.

Prerequisities: IK/IM-GM1/16

Conditions for course completion:
1. For successful completion of the practical exercises/seminars is required:
- To participate at all of practical exercises, theoretical and practical performance of all exercises/seminars.
- To get at least 60 % of total score for ongoing review of written test and the theoretical training to practical exercises.
- Two absences are allowed /justified/
2. For successful obtained of the credits from subject is necessary:
- To gain the credit from practical exercises (paragraph 1 above).
- Evaluation: Study rules of procedure UPJŠ in Košice, the Faculty of Medicine, Part II, Art13
- The final classification includes the evaluation of the written test and the results obtained in practical exercises
Education can alternatively by conducted in a distant mode. The teachers will communicate with students by email, skype or other teleconference applications.
1. The presence of the students at individual practices will be recorded by their teachers.
2. Teachers will assign the tasks to students in the form of essays and solving case reports.
3. Knowledge assessment will be carried out by a distance test.
4. Completion of the course will be evaluated on the basis of the records of presence, written assignments and test results.

Learning outcomes:
To acquaint students with the issues of sports medicine, aspects of rehabilitation and sports training.

Brief outline of the course:
Introduction to sports medicine, organization, support at athletic events.Physiological aspects of exercise, energy metabolism.Physiological aspects of nutrition, sports nutrition.Aerobic threshold, anaerobic threshold, lactate curve.Sports traumatology – most frequent injuries, specific aspects of sports trauma, treatment, rehabilitation, prevention .Doping, doping control.Recreational sports activities, prescription of exercise in civilization diseases.

The current timetable for a given term is published on the electronic bulletin board of the course in AiS2 or on the clinic's website.

Recommended literature:

1. Dzurenková, D., Marček, T., Hájková, M.: Essentials of Sports Medicine. Bratislava: CU, 2000. 22 pp.
2. Marček, T. et all.: Sports Medicine (Manual of Practical Sports Medicine). Bratislava: CU, 1995.76 p.
3. Harries, M., Williams, C., Stanish, W.D., Micheli, L.J.: Oxford Textbook of Sports Medicine. Oxford: Oxford University Press, 1994. 748 p .

Course language:

english

Notes:

The subject Sports Medicine is provided only in the winter term.

Course assessment

Total number of assessed students: 1460

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
39.45	58.97	0.21	0.07	0.07	1.23	0.0

Provides: prof. MUDr. Daniel Pella, PhD., MUDr. Peter Horváth

Date of last modification: 05.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: Dek. LF UPJŠ/SSW/09	**Course name:** Student Science Work - Presentation at SSC

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 2 **Per study period:** 0 / 28
Course method: present

Number of ECTS credits: 4

Recommended semester/trimester of the course: 3., 4.., 5., 6.., 7., 8.., 9., 10..

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 51

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
96.08	1.96	0.0	0.0	0.0	0.0	1.96

Provides:

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: 1. ChK/S-SS-GM/18	**Course name:** Surgery

Course type, scope and the method:
Course type:
Recommended course-load (hours):
Per week: Per study period:
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 11., 12..

Course level: I.II.

Prerequisities: ChK/S-GM6/18,ChK/CS-GM/18,UFR/PM-GM2/17,USL/FMML-GM/19,OK/OF-GM/13,KORLaF/ORL-GM/14,1. KAIM/AIM-GM/20

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 994

A	B	C	D	E	FX
33.7	18.91	19.52	12.17	13.08	2.62

Provides:

Date of last modification:

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ChK/ SP-GM/15	**Course name:** Surgery - Propedeutics

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 5

Recommended semester/trimester of the course: 5.

Course level: I.II.

Prerequisities: UHE/HE-GM2/17,UA/A-GM2/14

Conditions for course completion:
1. 100% attendance confirmed in the student´s book, possible two absences needed to be compensated
2.Attendance 75% at lectures
3. Test, 20 questions, needs to achieve 12 points.
4.Oral exam

Learning outcomes:
Get knowledge from the basics of symptomatology and diagnostics of surgical diseases, using physical, laboratory and instrumental examination. Students will acquire basics of RTG diagnostics of acute abdomen and other RTG contrast examinations of gastrointestinal tract, thorax and skeletal injuries. Apprise principles of surgical procedures, preoperative care of the patient and postoperative care. The attention is focused on the basics of surgical thinking and scientific work in surgery.

Brief outline of the course:
Lectures: Introduction to Surgical Propaedeutic. Surgery, its focus and scope. History of development of surgery. Anamnesis and symptomatology of surgical diseases. Basic principles of clinical examination in surgery. Basics of instrumental, RTG and laboratory examination in surgery. Principles of antisepsis and asepsis. Disinfection and sterilization on surgical departments and in all healthcare institutions. Bleeding in surgery. Medical ethics in surgery. Legal aspects of surgery.

Recommended literature:
Frankovičová, M. et al.: Surgery for medical students. Košice, Faculty of Medicine, Pavol Jozef Šafárik University in Košice, 2014, 408 p. ISBN 978-80-8152-202-4
Frankovičová, M., Kaťuchová J. et al.: Surgery for medical students. second revised edition, Košice, Faculty of Medicine, Pavol Jozef
Šafárik University in Košice, 2017, 521 p. ISBN 978-80-8152-581-0

Course language:

Notes:

Course assessment
Total number of assessed students: 1697

A	B	C	D	E	FX
50.15	21.21	12.85	7.13	7.96	0.71

Provides: doc. MUDr. Vladimír Sihotský, PhD., doc. MUDr. Miroslav Gajdoš, CSc., MPH, mim. prof., prof. MUDr. Jozef Radoňak, CSc., MPH, prof. MUDr. Igor Šulla, DrSc., prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Ladislav Valanský, PhD., doc. MUDr. Gabriel Vaško, CSc., prof. MUDr. Vincent Nagy, PhD., MPH, doc. MUDr. Jozef Výrostko, CSc., prof. MUDr. Jana Kaťuchová, PhD. MBA, prof. MUDr. Juraj Bober, CSc., MUDr. Ján Babík, CSc., MUDr. Marián Kudláč, doc. MUDr. Michal Vaľko, PhD., MUDr. Milan Stebnický, PhD., MUDr. Andrej Vrzgula, PhD., MUDr. Ľubomír Lachváč, PhD., MUDr. Milan Šudák, PhD., MUDr. Róbert Šimon, PhD., MPH, doc. MUDr. Marek Lacko, PhD., MUDr. Pavol Harbuľák, MUDr. Marek Vargovčák, MPH, MUDr. Izabela Bosznayová, MUDr. Tomáš Gajdzik, PhD., MHA, MPH, MUDr. Tomáš Hildebrand, PhD., MUDr. Rastislav Kalanin, PhD., MUDr. Róbert Kilík, PhD., MUDr. Lucia Sukovská Lakyová, PhD., doc. MUDr. Marek Šoltés, PhD., MUDr. Diana Tomašurová, MUDr. Mária Kubíková, PhD., MUDr. Pavel Staško, PhD., doc. MUDr. Martina Zavacká, PhD., MPH, MUDr. Martina Vidová Ugurbas, PhD., MPH, MUDr. Ivan Kováč, PhD., doc. MUDr. Peter Berek, PhD., doc. MUDr. Adrián Kolesár, PhD., MPH, MUDr. Martin Ledecký, PhD., MUDr. Lucia Mistríková, PhD., MUDr. Štefánia Mižáková, PhD., prof. MUDr. František Sabol, PhD., MPH, MBA, MUDr. Tomáš Toporcer, PhD., doc. MUDr. Vladimír Kaťuch, PhD. MBA

Date of last modification: 11.02.2019

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ChK/S-GM1/16	**Course name:** Surgery 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 6.

Course level: I.II.

Prerequisities: ChK/SP-GM/15

Conditions for course completion:
Education can alternatively by conducted in distant mode. The teachers will communicate with students by email or teleconference applications, assign the tasks to students in the form of essays and solving case reports. Teacher who assigned the task will control their fullfillment. Knowledge assessment will be carried out by quality of students reports. Completion of the course will be evaluated on the basis of the records of presence and written assignments.

Learning outcomes:
Students gain basic information on diagnosis and treatment of surgical diseases of infectious origin. The outcome of the studies of trauma and war surgery is the acquiring the basic knowledge of injury causes and prevention, pointing out the peculiarities of war injuries. Important is the knowledge of open and closed wounds – students must master first aid as well as the basics of conservative and surgical treatment and its complications. Important is the knowledge of shock pathophysiology as well as its diagnosis and treatment. The aim in the field of plastic and replacement surgery is the knowledge of the possibilities in these fields as well as indications, preparation, transportation of a patient as well as a replacement to the corresponding department. The important part of the surgery is the gained knowledge in the field of post-surgical rehabilitation of patients. Significant are also the basics of dietetics of surgical patients with the possibilities of parenteral and enteral nutrition. Students master the basics of home parenteral nutrition all-in-one, taking into consideration the increasing number of patients also in Slovakia. Significant is the knowledge of the increasing importance of enteral nutrition everywhere in the post-surgical period where its usage is possible.

Brief outline of the course:
Injuries, Surgical infections, Rehabilitation, Transplantat Surgery, Principles of dietetics

Recommended literature:
Frankovičová, M. et al.: Surgery for medical students. Košice, Faculty of Medicine, Pavol Jozef Šafárik University in Košice, 2014, 408 p. ISBN 978-80-8152-202-4
Frankovičová, M., Kaťuchová J. et al.: Surgery for medical students, second revised edition, Košice, Faculty of Medicine, Pavol Jozef Šafárik University in Košice, 2014, 408 p. ISN 978-80-8152-581-0

Course language:

Notes:

Course assessment
Total number of assessed students: 1698

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
45.35	36.45	7.71	3.77	3.65	3.0	0.06

Provides: doc. MUDr. Miroslav Gajdoš, CSc., MPH, mim. prof., prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Miroslav Kitka, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, prof. MUDr. Igor Šulla, DrSc., prof. MUDr. Ladislav Valanský, PhD., doc. MUDr. Gabriel Vaško, CSc., prof. MUDr. Vincent Nagy, PhD., MPH, doc. MUDr. Jozef Výrostko, CSc., prof. MUDr. Jana Kaťuchová, PhD. MBA, MUDr. Ľubomír Lachváč, PhD., MUDr. Marek Vargovčák, MPH, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbuľák, doc. MUDr. Michal Vaľko, PhD., MUDr. Marián Kudláč, MUDr. Milan Šudák, PhD., MUDr. Ján Babík, CSc., doc. MUDr. Radoslav Morochovič, PhD., MUDr. Andrej Vrzgula, PhD., doc. MUDr. Marek Lacko, PhD., MUDr. Milan Stebnický, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Martina Vidová Ugurbas, PhD., MPH, MUDr. Tomáš Gajdzik, PhD., MHA, MPH, doc. MUDr. Marek Šoltés, PhD., doc. MUDr. Peter Berek, PhD., MUDr. Mária Kubíková, PhD., doc. MUDr. Vladimír Sihotský, PhD., MUDr. Pavel Staško, PhD., MUDr. Peter Štefanič, PhD., doc. MUDr. Martina Zavacká, PhD., MPH, MUDr. Lucia Sukovská Lakyová, PhD., MUDr. Jozef Brezina, doc. MUDr. Adrián Kolesár, PhD., MPH, MUDr. Lucia Mistríková, PhD., prof. MUDr. František Sabol, PhD., MPH, MBA, MUDr. Tomáš Toporcer, PhD., doc. MUDr. Vladimír Kaťuch, PhD. MBA, MUDr. Róbert Kilík, PhD.

Date of last modification: 23.03.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ChK/S-GM2/19	**Course name:** Surgery 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 4

Recommended semester/trimester of the course: 7.

Course level: I.II.

Prerequisities: ChK/S-GM1/16,UP/PA-GM1/14

Conditions for course completion:
1. 100% attendance confirmed in the student´s book, possible two absences needed to be compensated
2. Attendance 75% at lectures
3. Test, 20 questions, needs to achieve 12 points.

Learning outcomes:
The students acquire knowledge of the surgical treatment of diseases of the throat and thyroid, the basics of thoracic surgery, including heart disease and blood vessels. The students will be able to use knowledge from the abdominal surgery, the basic principles of treatment of liver, gallbladder, bile duct, pancreas, spleen and stomach and duodenum diseases.

Brief outline of the course:
The students acquire knowledge of the surgical treatment of diseases of the throat and thyroid, the basics of thoracic surgery, including heart disease and blood vessels. The students will be able to use knowledge from the abdominal surgery, the basic principles of treatment of liver, gallbladder, bile duct, pancreas, spleen and stomach and duodenum diseases.

Recommended literature:
Frankovičová, M. et al.: Surgery for medical students. Košice, Faculty of Medicine, Pavol Jozef Šafárik University in Košice, 2014, 408 p. ISBN 978-80-8152-202-4
Frankovičová, M., Kaťuchová J. et al.: Surgery for medical students. second revised edition, Košice, Faculty of Medicine, Pavol Jozef
Šafárik University in Košice, 2017, 521 p. ISBN 978-80-8152-581-0

Course language:

Notes:

Course assessment
Total number of assessed students: 1378

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
38.17	25.47	16.4	11.25	4.86	3.77	0.07

Provides: MUDr. Lucia Sukovská Lakyová, PhD., prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, prof. MUDr. Jana Kaťuchová, PhD. MBA, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbuľák, doc. MUDr. Michal Vaľko, PhD., MUDr. Marián Kudláč, MUDr. Milan Šudák, PhD., doc. MUDr. Marek Lacko, PhD., MUDr. Milan Stebnický, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Tomáš Gajdzik, PhD., MHA, MPH, MUDr. Tomáš Hildebrand, PhD., MUDr. Róbert Kilík, PhD., doc. MUDr. Marek Šoltés, PhD., MUDr. Ivan Kováč, PhD., MUDr. Mária Kubíková, PhD., doc. MUDr. Vladimír Sihotský, PhD., MUDr. Peter Pažinka, PhD., MPH, MUDr. Pavel Staško, PhD., MUDr. Teodor Kluka, PhD., MUDr. Martina Vidová Ugurbas, PhD., MPH, doc. MUDr. Adrián Kolesár, PhD., MPH, MUDr. Martin Ledecký, PhD., MUDr. Lucia Mistríková, PhD., prof. MUDr. František Sabol, PhD., MPH, MBA, MUDr. Tomáš Toporcer, PhD., MUDr. Katarína Buzová, MUDr. Jozef Brezina
Date of last modification: 17.04.2019
Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ChK/S-GM3/17	**Course name:** Surgery 3

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 5

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisities: ChK/S-GM2/19

Conditions for course completion:
Education can alternatively by conducted in distant mode. The teachers will communicate with students by email or teleconference applications, assign the tasks to students in the form of essays and solving case reports. Teacher who assigned the task will control their fullfillment. Knowledge assessment will be carried out by quality of students reports. Completion of the course will be evaluated on the basis of the records of presence and written assignments.

Learning outcomes:
Surgery of the small intestine, mesentery and the retroperiteal spaces. Surgery of the colon. Surgery of the rectum and anus. Acute abdomen - the definition, distribution of acute abdominal situations, classification, symptoms and diagnosis of acute abdomen. Acute abdomen accident - injury to the abdomen and chest. Acute abdomen inflammation, bleeding in the GIT. Acute abdomen - Congenital background. Surgical diseases in childhood and their treatment. Emergency situations thoracosurgical. Emergency situations angiosurgical.
Congenital and acquired defects hands in plastic surgery. The diagnosis and treatment of cancer. Combination therapy of cancer. Selected chapters from plastic surgery. Endocrine diseases requiring surgical treatment

Brief outline of the course:
Surgery of the colon. Examination of the patient megacolon, diverticular disease, inflammatory and neoplastic processes. Observation of colonoscopic examination. Palliative and radical operations of the large intestine. Practical stoma care.Surgery of the rectum and anus. Practical examination of the patients with anal fissure, haemorrhoidal nodules and colonic tumours. The management of perianal and periproctal absscesses. Tumours of the anus and rectum, surgical treatment.

Recommended literature:
Frankovičová, M. et al.: Surgery for medical students. Košice, Faculty of Medicine, Pavol Jozef Šafárik University in Košice, 2014, 408 p. ISBN 978-80-8152-202-4
Frankovičová, M., Kaťuchová J. et al.: Surgery for medical students. second revised edition, Košice, Faculty of Medicine, Pavol Jozef
Šafárik University in Košice, 2017, 521 p. ISBN 978-80-8152-581-0

Course language:

Notes:

Course assessment
Total number of assessed students: 976

A	B	C	D	E	FX
27.46	23.98	24.39	13.93	10.14	0.1

Provides: prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Miroslav Kitka, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, prof. MUDr. Jana Kaťuchová, PhD. MBA, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbuľák, MUDr. Marián Kudláč, MUDr. Milan Šudák, PhD., doc. MUDr. Radoslav Morochovič, PhD., MUDr. Milan Stebnický, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Martina Vidová Ugurbas, PhD., MPH, doc. MUDr. Marek Šoltés, PhD., MUDr. Tomáš Gajdzik, PhD., MHA, MPH, MUDr. Lucia Sukovská Lakyová, PhD., MUDr. Jozef Brezina, MUDr. Katarína Buzová, MUDr. Michal Chyla, PhD.

Date of last modification: 24.03.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ChK/S-GM4/18	**Course name:** Surgery 4 (Neurosurgery, Orthopedics)

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: ChK/S-GM3/17

Conditions for course completion:
solution of the problems, test

Learning outcomes:
Neurosurgery, orthopedics
Students will acquire basic knowledge of investigative methodologies in orthopedics. They will learn the diagnosis and treatment of inflammatory, degenerative and metabolic diseases of the bone system. It is important to manage the diagnostic and treatment of primary and secondary tumors of the axial skeleton. Students will learn the basics of rehabilitation and assessment activities in the field of orthopedic surgery. It is crucial to obtain information about the symptoms and treatment of intracranial hypertension diagnosis and determination of brain death, which is important for the possibility of organ transplantation. Findings of birth defects of the nervous system similar to the diagnosis and treatment of head and spinal injuries are an essential range of what the student obtains at this semester. Diagnosis and treatment of tumors of the nervous system, as well as using of radioinvasive procedures in neurosurgery are necessary, which must be controlled after completing each section of the course.

Brief outline of the course:
Investigative techniques in orthopedics. Inflammatory and degenerative diseases of the musculoskeletal system. Metabolic disease, bone tumors and tumor-like affections. The most frequent orthopedic diseases arms and legs. Disease of the axial skeleton. Reconstructive and assessment activities in orthopedics. Intracranial pressure - pathophysiology of intracranial hypertension. Congenital malformations of the nervous system. Head injuries. Trauma of spine, spinal cord and peripheral nerves. Tumours of the nervous system. Vascular neurosurgery. Pain and nerve compression syndromes of peripheral nerves.

Recommended literature:
Frankovičová, M. et al.: Surgery for medical students. Košice, Faculty of Medicine, Pavol Jozef Šafárik University in Košice, 2014, 408 p. ISBN 978-80-8152-202-4
Šulla, I. et al.: Selected topics from neurosurgery. Texbook for physicians and students of general medicine. Pavol Jozef Šafárik University in Košice, 2011. - 309 p. ISBN 9788070978832
Southerland, J.: McGlamrys Comprehensive Textbook of Foot and Ankle Surgery, Lippincot Williams Wilkins, 2012, 2112 p. ISBN: 9780781765800

Fitzgerald, R. H. et al. Orthopeadics. Mosby 2002, 2006 p. ISBN 0-323-01318-X.

Course language:
English, Slovak

Notes:

Course assessment
Total number of assessed students: 1181

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
32.68	66.13	0.51	0.17	0.08	0.34	0.08

Provides: doc. MUDr. Miroslav Gajdoš, CSc., MPH, mim. prof., prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Miroslav Kitka, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, prof. MUDr. Igor Šulla, DrSc., prof. MUDr. Ladislav Valanský, PhD., doc. MUDr. Gabriel Vaško, CSc., prof. MUDr. Vincent Nagy, PhD., MPH, doc. MUDr. Jozef Výrostko, CSc., prof. MUDr. Jana Kaťuchová, PhD. MBA, MUDr. Ľubomír Lachváč, PhD., MUDr. Marek Vargovčák, MPH, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbuľák, doc. MUDr. Michal Vaľko, PhD., MUDr. Marián Kudláč, MUDr. Milan Šudák, PhD., MUDr. Ján Babík, CSc., doc. MUDr. Radoslav Morochovič, PhD., MUDr. Andrej Vrzgula, PhD., doc. MUDr. Marek Lacko, PhD., MUDr. Milan Stebnický, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Martina Vidová Ugurbas, PhD., MPH, MUDr. Ivan Kováč, PhD., MUDr. Michal Orlický, Ph.D., MBA, doc. MUDr. Vladimír Kaťuch, PhD. MBA, doc. MUDr. Imrich Lukáč, CSc.

Date of last modification: 16.03.2018

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ChK/S-GM5/18	**Course name:** Surgery 5 (Trauma Surgery, Urology)

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 **Per study period:** 28 / 28
Course method: present

Number of ECTS credits: 3

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities: ChK/S-GM3/17

Conditions for course completion:
solution of the problems, test

Learning outcomes:
Trauma surgery, urology
Students will acquire knowledge of the diagnosis and treatment of traumatic brain injury and spinal cord injury often simultaneously with chest injuries. Also important are the knowledge acquired in the abdomen and retroperitoneal injury, especially for its relative rarity. Frequently occurring musculoskeletal injuries, which is important to proper diagnosis and treatment. The student has to know the life-threatening symptoms of compartment syndrome and other rarely occurring due to injuries / Crush syndrome, algodystrophic syndrome, etc. /. In the field of urology is the result of learning the knowledge of the occurrence of urogenital anomalies syndrome. It is important to gain knowledge about the relatively frequently occurring inflammatory diseases in this area. Students master the diagnosis and treatment of calculous disease of the urinary system. In terms of incidence of diseases of the prostate is a common disability - whether benign hyperplasia or tumors, thus acquiring knowledge about the disease is extremely important. Similarly, the student must control the symptoms and treatment of injuries of the urogenital system, although they occur less frequently.

Brief outline of the course:
Craniocerebral injury. Spinal injuries. Chest injury. Injury to the abdomen, pelvis and urogenital system. The injuries of the upper limb. Lower limb injuries. Specific types of injuries and injury complications. History, terminology and basic principles of examination in urology. Anomalies of the urogenital system. Inflammatory diseases of the urogenital system, epidemiology, etiopathogenesis, diagnostic principles. Urolithiasis - etiopathogenesis, diagnostic procedure, complications and prognosis. Tumors of the urogenital system. Benign prostatic hyperplasia. Injuries of the urogenital system.

Recommended literature:
Frankovičová, M. et al.: Surgery for medical students. Košice, Faculty of Medicine, Pavol Jozef Šafárik University in Košice, 2014, 408 p. ISBN 978-80-8152-202-4
Southerland, J.: McGlamrys Comprehensive Textbook of Foot and Ankle Surgery, Lippincot Williams Wilkins, 2012, 2112 p. ISBN: 9780781765800
Pokorný, J. et al.: Traumatologie, Triton, 2002, ISBN 80-7254-277-X

Muller, M. et al.: Chirurgie pro studium a praxi. Goldstein and Goldstein 1997, ISBN 80-86094-10-3
Tanaghoe, E. A., McAninch, J. W.: Smith´s General Urology. McGraw Hill Medical, 2000, ISBN 0-07-159331-4
Breza, J. et al.: Všeobecná a špeciálna urológia, Univerzita Komenského Bratislava 2004, ISBN 80-223-1907-4.

Course language:
English, Slovak

Notes:

Course assessment
Total number of assessed students: 1192

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
31.63	25.92	18.46	9.73	12.42	1.59	0.25

Provides: doc. MUDr. Miroslav Gajdoš, CSc., MPH, mim. prof., prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Miroslav Kitka, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, prof. MUDr. Igor Šulla, DrSc., prof. MUDr. Ladislav Valanský, PhD., doc. MUDr. Gabriel Vaško, CSc., prof. MUDr. Vincent Nagy, PhD., MPH, doc. MUDr. Jozef Výrostko, CSc., prof. MUDr. Jana Kaťuchová, PhD. MBA, MUDr. Ľubomír Lachváč, PhD., MUDr. Marek Vargovčák, MPH, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbuľák, doc. MUDr. Michal Vaľko, PhD., MUDr. Marián Kudláč, MUDr. Milan Šudák, PhD., MUDr. Ján Babík, CSc., doc. MUDr. Radoslav Morochovič, PhD., MUDr. Andrej Vrzgula, PhD., doc. MUDr. Marek Lacko, PhD., MUDr. Milan Stebnický, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Štefan Ivanecký, MUDr. Rastislav Burda, PhD., MUDr. Peter Cibur, PhD., MUDr. Ľuboš Tomčovčík, PhD.

Date of last modification: 16.03.2018

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ChK/S-GM6/18	**Course name:** Surgery 6

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 280s
Course method: present

Number of ECTS credits: 12

Recommended semester/trimester of the course: 11., 12..

Course level: I.II.

Prerequisities: ChK/S-GM5/21,ChK/S-GM4/18,KRO/RCO- GM2/14

Conditions for course completion:
Education can alternatively by conducted in distant mode. The teachers will communicate with students by email or teleconference applications, assign the tasks to students in the form of essays and solving case reports. Teacher who assigned the task will control their fullfillment. Knowledge assessment will be carried out by quality of students reports. Completion of the course will be evaluated on the basis of the records of presence and written assignments.

Learning outcomes:
After the completion of this part of the studies students shall master basic diagnostic, therapeutic and evaluative outcomes in the field of thoracic and mediastinum surgery. They must know the basics of diagnosis and treatment of acute abdomen including abdominal traumas. The important knowledge includes that of the transportation of the sick and injured in shock or those unconscious or when spinal injury is suspected. They must master first aid, including the medical one, in case of thermal damages of organisms. They will acquire the basic knowledge from cardiovascular surgery as well as pediatric surgery. They will master the basics of resuscitation and intensive care. They will know the basic diagnostic and therapeutic procedures in onco-surgery. They will know the basics of diagnostic and therapeutic procedures in orthopedics, urology and neurosurgery. They are able to diagnose basic diseases of the given fields based on the X-ray interpretation.

Brief outline of the course:
Multidisciplinary seminars: Thoracic and mediastinum surgery. Acute abdomen. Trauma surgery. Principles of the transportation of the sick and injured in shock, unconscious, or in case of spinal injury. Burns. Cardiovascular surgery. Pediatric surgery. Resuscitation and intensive care. Onco-surgery. Orthopedics, urology, neurosurgery + X-rays.

Recommended literature:
Frankovičová, M. et al.: Surgery for medical students. Košice, Faculty of Medicine, Pavol Jozef Šafárik University in Košice, 2014, 408 p. ISBN 978-80-8152-202-4
Frankovičová, M., Kaťuchová J. et al.: Surgery for medical students, second revised edition, Košice, Faculty of Medicine, Pavol Jozef Šafárik University in Košice, 2014, 408 p. ISN 978-80-8152-581-0

Course language:

Notes:

Course assessment
Total number of assessed students: 980

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
29.29	44.18	13.88	7.24	3.16	2.24	0.0

Provides: prof. MUDr. Mária Frankovičová, PhD., MUDr. Štefan Ivanecký, prof. MUDr. Jana Kaťuchová, PhD. MBA, MUDr. Róbert Kilík, PhD., MUDr. Mária Kubíková, PhD., MUDr. Lucia Sukovská Lakyová, PhD., doc. MUDr. Vladimír Sihotský, PhD., doc. MUDr. Marek Šoltés, PhD., MUDr. Ján Babík, CSc., prof. MUDr. Juraj Bober, CSc., MUDr. Izabela Bosznayová, doc. MUDr. Miroslav Gajdoš, CSc., MPH, mim. prof., MUDr. Tomáš Gajdzik, PhD., MHA, MPH, MUDr. Pavol Harbuľák, MUDr. Tomáš Hildebrand, PhD., MUDr. Rastislav Kalanin, PhD., MUDr. Teodor Kluka, PhD., MUDr. Ivan Kováč, PhD., MUDr. Marián Kudláč, MUDr. Ľubomír Lachváč, PhD., doc. MUDr. Marek Lacko, PhD., doc. MUDr. Radoslav Morochovič, PhD., prof. MUDr. Vincent Nagy, PhD., MPH, prof. MUDr. Jozef Radoňak, CSc., MPH, MUDr. Pavel Staško, PhD., MUDr. Milan Stebnický, PhD., prof. MUDr. Ladislav Valanský, PhD., MUDr. Marek Vargovčák, MPH, doc. MUDr. Michal Vaľko, PhD., doc. MUDr. Gabriel Vaško, CSc., MUDr. Martina Vidová Ugurbas, PhD., MPH, MUDr. Andrej Vrzgula, PhD., doc. MUDr. Jozef Výrostko, CSc., doc. MUDr. Martina Zavacká, PhD., MPH, MUDr. Róbert Šimon, PhD., MPH, MUDr. Milan Šudák, PhD., prof. MUDr. Igor Šulla, DrSc., doc. MUDr. Jozef Firment, PhD., doc. MUDr. Adrián Kolesár, PhD., MPH, MUDr. Martin Ledecký, PhD., MUDr. Lucia Mistríková, PhD., MUDr. Štefánia Mižáková, PhD., prof. MUDr. František Sabol, PhD., MPH, MBA, MUDr. Tomáš Toporcer, PhD., doc. MUDr. Eugen Frišman, PhD., MUDr. Peter Lengyel, PhD., MUDr. Ľuboš Tomčovčík, PhD., MUDr. Rastislav Burda, PhD., MUDr. Peter Cibur, PhD., MUDr. Peter Polan, PhD., MPH

Date of last modification: 23.03.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ChK/ OTT-GM/15	**Course name:** The Organ and Tissue Transplantation

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 2 **Per study period:** 0 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Final research.

Learning outcomes:
The students will acquire basic knowledge on the theory of biology and transmission organs and tissues. They will know the principle donors of organs, brain death determination and the principle of selection of suitable recipients. The students will acquire knowledge of the techniques of collection, storage and transportation of the tissues and organs, the basic principles of organ and tissue transplantation. They will know the possibilities of the products of The Tissue Banks.

Brief outline of the course:
History of transplantation of organs and tissues. Theory of biology and transmission organs and tissues. Immunology and transplantation, principles for donors and recipients. Sampling techniques, storage for transporting tissues. Transplant techniques. Legal and organizational aspects of transplantation of organs and tissues.

Recommended literature:
Frankovičová , Surgery for Medical Students

Course language:

Notes:

Course assessment
Total number of assessed students: 70

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
42.86	57.14	0.0	0.0	0.0	0.0	0.0

Provides: prof. MUDr. Jana Kaťuchová, PhD. MBA

Date of last modification: 18.02.2019

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UPZMV/TCCP-GM/19	**Course name:** Training of Competencies for Clinical Practice

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 2 **Per study period:** 0 / 28
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	100.0	0.0	0.0	0.0	0.0	0.0

Provides: Mgr. Laura Bittó Urbanová, MUDr. Jaroslav Rosenberger, PhD., PhDr. Ivana Skoumalová, doc. Mgr. Zuzana Dankulincová, PhD., Mgr. Daniela Fiľakovská, PhD., Mgr. Daniela Husárová, PhD., Mgr. Peter Kolarčik, PhD., Mgr. Jaroslava Kopčáková, PhD., Mgr. Jaroslava Macková, prof. Mgr. Andrea Madarasová Gecková, PhD.

Date of last modification: 31.08.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KICM/ TM-GM/20	**Course name:** Tropical Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: ULM/MB-GM2/14

Conditions for course completion:

Learning outcomes:
Epidemiological aspects and basic diagnostics of infectious diseases, the basic principles antiinfectious treatment of tropical infection, imported infections.

Brief outline of the course:
The nature of infectious diseases, principles of diagnosis. Tropical intestinal infections. Viral hepatitis. HIV / AIDS. Malaria. Tropical parasitic diseases. Imported infections.

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 412

A	B	C	D	E	FX
26.7	30.34	18.2	18.93	5.1	0.73

Provides: prof. MUDr. Ivan Schréter, CSc., prof. MUDr. Pavol Jarčuška, PhD., doc. MUDr. Pavol Kristian, PhD., MUDr. Martin Novotný, PhD., doc. MUDr. Zuzana Paraličová, PhD.

Date of last modification: 25.02.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ChK/ UM-GM/17	**Course name:** Urgent Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 0 / 1 **Per study period:** 0 / 14
Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: ChK/S-GM3/17,IK/IM-GM3/17,UFR/PM-GM2/17

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 550

A	B	C	D	E	FX
55.27	27.09	7.64	6.36	2.73	0.91

Provides: MUDr. Štefan Ivanecký, MUDr. Pavol Murín, PhD., MUDr. Marián Sedlák

Date of last modification: 22.05.2017

Approved: