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## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> 1. KAIM/AL-GM/18		<b>Course name:</b> Algesiology			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 9.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> UFR/PM-GM1/14 and ChK/S-GM1/16					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 7					
A	B	C	D	E	FX
71.43	28.57	0.0	0.0	0.0	0.0
<b>Provides:</b>					
<b>Date of last modification:</b>					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> 1. KAIM/AIM-GM/16		<b>Course name:</b> Anaesthesiology and Intensive Medicine			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 10.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> IK/IM-GM1/16 and NLK/NL-GM1/14 and UFR/PM-GM1/14					
<b>Conditions for course completion:</b> 1. 100% participation on the practical exercises 2. practical examination of cardiopulmonary resuscitation - that at least the 75% criteria 3. Test - minimum percentage of 75%. 4. Oral exam					
<b>Learning outcomes:</b> General Principles of General Anaesthesia and Regional Anaesthesia, perioperative patient management General Principles of Care about Critically ill Patients CPR-Basic life support					
<b>Brief outline of the course:</b> 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 advanced life support.					
<b>Recommended literature:</b> 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					
<b>Course language:</b> English					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 659					
A	B	C	D	E	FX
27.31	26.86	18.82	11.38	13.51	2.12

**Provides:** doc. MUDr. Jozef Firment, PhD., MUDr. Štefan Trenkler, PhD., MUDr. Vladimír Hudák, PhD., MUDr. Monika Grochová, PhD., MUDr. Judita Capková, PhD.

**Date of last modification:** 20.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> UA/A-GM1/14	<b>Course name:</b> Anatomy 1
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 3 / 3 <b>Per study period:</b> 42 / 42 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 7	
<b>Recommended semester/trimester of the course:</b> 1.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 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.	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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 Williams & Wilkins, 2006						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 2511						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
53.84	1.04	2.67	5.1	7.01	18.24	12.11
<b>Provides:</b> doc. MUDr. Ingrid Hodorová, PhD., prof. MVDr. Silvia Rybárová, PhD., doc. MVDr. Jozef Mihalik, CSc., MUDr. Janka Vecanová, PhD., MUDr. Dalibor Kolesár, PhD., MUDr. Stanislav Matéffy, MUDr. Zuzana Kováčová, MVDr. Natália Hvizdošová, PhD., Mgr. Andriana Pavliuk-Karachevtseva, doc. MUDr. Adriana Boleková, PhD.						
<b>Date of last modification:</b> 19.09.2018						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> UA/A-GM2/14	<b>Course name:</b> Anatomy 2
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 3 / 3 <b>Per study period:</b> 42 / 42 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 9	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 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.	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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).	
<b>Recommended literature:</b> 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 Williams & Wilkins, 2006

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 2226

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
57.41	0.49	1.8	4.18	5.75	15.9	14.47

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

**Date of last modification:** 15.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> UA/A-GM3/17	<b>Course name:</b> Anatomy 3
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 3 / 3 <b>Per study period:</b> 42 / 42 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 8	
<b>Recommended semester/trimester of the course:</b> 3.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> UA/A-GM2/14 and UA/A-GM1/14	
<b>Conditions for course completion:</b> 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). 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.	
<b>Learning outcomes:</b> 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 blood supply, venous and lymphatic drainage of head and neck. Detailed study of 12 pairs of cranial nerves, their topography, branches and function. Also become familiar with other 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 acquire an overall view of the human body and interrelationships between various systems.	
<b>Brief outline of the course:</b> Skull – neurocranium and splanchnocranium. Muscles of the head and neck. Blood supply, venous and lymphatic drainage 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.	
<b>Recommended literature:</b> 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 collar text. Elsevier, 2010  
 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: 1832

A	B	C	D	E	FX
4.69	5.9	11.41	16.05	40.61	21.34

**Provides:** doc. MUDr. Ingrid Hodorová, PhD., prof. MUDr. Darina Kluchová, PhD., doc. MVDr. Jozef Mihalik, CSc., doc. MVDr. Květuše Lovásová, PhD., prof. MVDr. Silvia Rybárová, PhD., MUDr. Janka Vecanová, PhD., MUDr. Dalibor Kolesár, PhD., MUDr. Stanislav Matéffy

**Date of last modification:** 02.10.2018

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> UA/ AD-GM1/14		<b>Course name:</b> Anatomy Dissection 1				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 2 <b>Per study period:</b> 0 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 5.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> UA/A-GM3/17						
<b>Conditions for course completion:</b> 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.						
<b>Learning outcomes:</b> 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.						
<b>Brief outline of the course:</b> 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.						
<b>Recommended literature:</b> Rohen, Yokochi: Color Atlas of Anatomy, Lippincott Williams & Wilkins, 2011 Netter F. H.: Atlas of Human Anatomy.						
<b>Course language:</b> english						
<b>Notes:</b> Total number of assessed students: 18						
<b>Course assessment</b> Total number of assessed students: 72						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
56.94	27.78	0.0	0.0	0.0	0.0	15.28
<b>Provides:</b> MUDr. Stanislav Matéffy, MUDr. Janka Vecanová, PhD.						
<b>Date of last modification:</b> 11.02.2016						

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> UA/ AD-GM2/14		<b>Course name:</b> Anatomy Dissection 2				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 2 <b>Per study period:</b> 0 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 6.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> UA/A-GM3/17						
<b>Conditions for course completion:</b> 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.						
<b>Learning outcomes:</b> 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						
<b>Brief outline of the course:</b> 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 heart chambers, dissection of posterior mediastinum. Dissection of subcutaneous structures of abdominal wall, abdominal muscles, inguinal canal, opening of abdomen, dissection branches of abdominal aorta.						
<b>Recommended literature:</b> Rohen, Yokochi: Color Atlas of Anatomy, Lippincott Williams & Wilkins, 2011 Netter F. H.: Atlas of Human Anatomy.						
<b>Course language:</b> English						
<b>Notes:</b> The subject is provided only in the summer semester, capacity of the subject is limited to 20 students, in case of higher interest students will be selected.						
<b>Course assessment</b> Total number of assessed students: 53						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
47.17	18.87	0.0	0.0	0.0	0.0	33.96
<b>Provides:</b> MUDr. Janka Vecanová, PhD.						

**Date of last modification:** 13.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> UHE/ FE-GM/18		<b>Course name:</b> Basic Embryology				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 2 <b>Per study period:</b> 0 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 3.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b> Presentation of seminar project evaluated: A-E						
<b>Learning outcomes:</b> Basic Embryology is a medical subject focused on developmental processes in the human body from fertilization, embryonic development to fetal period under physiological and pathological conditions. Students will use acquired knowledge of developmental processes and fundamentals of organ development in preclinical and clinical subjects.						
<b>Brief outline of the course:</b> 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.						
<b>Recommended literature:</b> 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.						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 16						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	31.25	18.75	25.0	6.25	0.0	18.75
<b>Provides:</b> doc. MVDr. Iveta Domoráková, PhD., prof. MUDr. Eva Mechírová, CSc., doc. MVDr. Štefan Tóth, PhD., doc. MVDr. Jarmila Veselá, CSc.						
<b>Date of last modification:</b> 25.06.2018						

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> USBM/ BHM-GM/16		<b>Course name:</b> Behavioral Medicine				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 4.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 76						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	11.84	15.79	23.68	17.11	13.16	18.42
<b>Provides:</b> MUDr. Zuzana Katreniaková, PhD., Mgr. Pavol Mikula, PhD., Mgr. Iveta Rajničová Nagyová, PhD., Mgr. Vladimíra Timková, Mgr. Alexandra Husivargová, MUDr. Miriam Polanová, PhD., MPH, MUDr. Dagmar Breznoščáková, Ph.D.						
<b>Date of last modification:</b>						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> ULBL/ B-GM1/09	<b>Course name:</b> Biology 1
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 4	
<b>Recommended semester/trimester of the course:</b> 1.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> active presence in all practical lessons each test assessment: minimum of 60%	
<b>Learning outcomes:</b> To introduce the basic concepts of cell biology and molecular biology, including cell structure, biomacromolecules, cell cycle, cell reproduction, gene expression 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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	
<b>Course language:</b>	
<b>Notes:</b>	

<b>Course assessment</b>						
Total number of assessed students: 2479						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
54.54	0.69	3.47	7.14	11.78	13.23	9.16
<b>Provides:</b> prof. RNDr. Ján Šalagovič, PhD., RNDr. Helena Mičková, PhD., RNDr. Eva Slabá, PhD., RNDr. Jozef Židzik, PhD., RNDr. Viera Habalová, PhD., RNDr. Lucia Klimčáková, PhD., doc. RNDr. Peter Solár, PhD.						
<b>Date of last modification:</b> 10.09.2018						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> ULBL/ B-GM2/12	<b>Course name:</b> Biology 2
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 3 <b>Per study period:</b> 28 / 42 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 7	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> ULBL/B-GM1/09	
<b>Conditions for course completion:</b> 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 oral examination for the period of the semester concerned (60%). Prerequisite for the oral examination (to register for the oral examination) is the acquirement of 20 points minimum from continuous assessment during the semester.	
<b>Learning outcomes:</b> 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 obtained basic information related to genetic and molecular biology methods in clinical practice.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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	

<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b>					
Total number of assessed students: 2123					
A	B	C	D	E	FX
9.61	11.45	19.41	20.21	27.65	11.68
<b>Provides:</b> 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.					
<b>Date of last modification:</b> 11.02.2016					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> ULCHBKB/BCHM-GM/14		<b>Course name:</b> Bioorganic Chemistry in Medicine				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 2.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 174						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
45.4	3.45	2.87	8.05	3.45	1.72	35.06
<b>Provides:</b> doc. RNDr. Vladimíra Tomečková, PhD.						
<b>Date of last modification:</b> 03.05.2015						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> ULI/B-GM/09		<b>Course name:</b> Biostatistics				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 2 <b>Per study period:</b> 0 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 4., 6., 8., 10.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> ULI/MInf-GM/09						
<b>Conditions for course completion:</b> 1. 100% and active attendance. 2. Min. 60% from each test during the term. 3. Elaboration of all given classworks.						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b> 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.						
<b>Course language:</b> english						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 103						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
42.72	0.97	1.94	3.88	10.68	3.88	35.92
<b>Provides:</b> doc. Ing. Jaroslav Majerník, PhD.						
<b>Date of last modification:</b> 11.02.2016						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> KVL Šaca/CGM-GM/18	<b>Course name:</b> Clerkship - General Medicine
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 40s <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 1	
<b>Recommended semester/trimester of the course:</b> 9.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> KVL Šaca/GM-GM/15 and Dek. LF UPJŠ/SL-GM4/15	
<b>Conditions for course completion:</b> Completion of General medicine course	
<b>Learning outcomes:</b> Familiarize students with the operation, organization and administration outpatient facility of general practitioner. Teach students practical knowledge and skills in examination and treatment of patients at clinic of general practitioner. Control the ethical-legal principles of healthcare provision. Demonstrate the ability to communicate effectively with patients at the clinic . Handle keeping the medical records in written and electronic 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 withdrawal of medical history, handle physical examination, make a diagnosis and consider differential 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).	
<b>Brief outline of the course:</b> Students will fully participate 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 : <ol style="list-style-type: none"> <li>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. )</li> <li>2. Diagnostic and therapeutic care in patient affected by acute or chronic diseases</li> <li>3. Available diagnostic methods – in hematology, biochemistry, microbiology and manage different sampling of biological material in relation with particular disease</li> <li>4. Assessment of the health status and subsequent management either in his discretion or request for a consultation or hospitalization</li> <li>5. Assessment activity – especially with regards to medical ability to carried out work and generally in relation to sickness absence in each category (defined by working Health Service)</li> <li>6. Contact with professional and social institutions with which the practitioner for adults necessarily cooperates ( eg. Public health, ADOS, Health insurance companies, Health Unions )</li> <li>7. Technically master application of different types of medication ( especially subcutaneous, intramuscular, intravenous )</li> </ol>	

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

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 815

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
99.26	0.0	0.0	0.0	0.0	0.0	0.74

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

**Date of last modification:** 16.03.2018

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> G-PK/ CGO-GM/18		<b>Course name:</b> Clerkship - Gynaecology and Obstetrics				
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 80s <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 10.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> G-PK/GO-GM2/09 and Dek. LF UPJŠ/SL-GM4/15						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 626						
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
<b>Provides:</b> MUDr. Katarína Balasičová, PhD., 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., MUDr. Erik Dosedla, MBA, PhD., MUDr. Ján Richnavský, PhD., MUDr. Gabriel Tóth, MUDr. Zuzana Turcsányiová, MUDr. Martina Vargová						
<b>Date of last modification:</b> 14.03.2018						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> IK/ CIM-GM/18	<b>Course name:</b> Clerkship - Internal Medicine
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 120s <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 8.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> IK/IM-GM1/16 and Dek. LF UPJŠ/SL-GM4/15	
<b>Conditions for course completion:</b> 1. Appreciation of the knowledges during classes by the teacher	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b> 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 puncture 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, Intensive 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.	
<b>Recommended literature:</b>	
<b>Course language:</b>	

<b>Notes:</b>						
<b>Course assessment</b>						
Total number of assessed students: 851						
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
<p><b>Provides:</b> doc. MUDr. Želmíra Macejová, PhD., MPH, mim. prof., 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. Ružena Tkáčová, DrSc., prof. MUDr. Dušan Trejbal, CSc., prof. MUDr. Elena Tóthová, CSc., 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. Karim Benhatchi, PhD., MUDr. Jana Deptová, PhD., MUDr. Ján Pobeha, MUDr. Ivan Majerčák, MUDr. Martin Janičko, PhD., MUDr. Andrea Galovičová, PhD., MUDr. Anna Dobrovičová, PhD., MUDr. Miriam Kozárová, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Alojz Rajnič, PhD., MUDr. Pavol Joppa, PhD., MUDr. Lýdia Pundová, CSc., MUDr. Zuzana Kuklišová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Martin Javorský, PhD., MUDr. Marek Varga, PhD., MUDr. Júlia Gajdziková, MUDr. Lucia Vaszilyová, PhD., MUDr. Michaele Záriková, MUDr. Lucia Štovková, PhD., MUDr. Matej Šajty, PhD., MUDr. Lucia Tomková, PhD., MUDr. Mgr. Ivana Jochmanová, PhD., MUDr. Jana Figurová, PhD., MUDr. Gabriela Peková, PhD., MUDr. Štefan Sotak, PhD., MBA, LL.M., Katarína Spišáková, MUDr. Anna Ťrgeová, MUDr. Katarína Demková, PhD., MUDr. Ivana Gotthardová, PhD., MUDr. Zuzana Malachovská, PhD.</p>						
<b>Date of last modification:</b> 16.03.2018						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> ChK/ CS-GM/18		<b>Course name:</b> Clerkship - Surgery				
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 80s <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 10.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> ChK/S-GM3/17 and Dek. LF UPJŠ/SL-GM4/15						
<b>Conditions for course completion:</b> 100% participation						
<b>Learning outcomes:</b> 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.						
<b>Brief outline of the course:</b> 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.						
<b>Recommended literature:</b> Frankovičová Surgical for Medical Students.						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 631						
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
<b>Provides:</b> 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 Kaľuchová, PhD. MBA, MUDr. Natália Šimková, MUDr. Ľubomír Lachváč, PhD., MUDr. Marek Vargovčák, 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

**Date of last modification:** 18.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> ULCHBKB/CB-GM/18		<b>Course name:</b> Clinical Biochemistry				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 9.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> ULCHBKB/MBCH-GM2/18 and UPF/PP-GM2/16						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 826						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
48.55	7.14	10.05	14.65	9.2	8.47	1.94
<b>Provides:</b> MUDr. Eva Ďurovcová, PhD.						
<b>Date of last modification:</b> 14.03.2018						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> ULBF/ CB-GM/09	<b>Course name:</b> Clinical Biophysics
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 9.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> ULBF/MBF-GM/18	
<b>Conditions for course completion:</b> 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.	
<b>Learning outcomes:</b> Clinical biophysics comprises the scientific and technological basis of clinical techniques and procedures that are based on physics. Most direct diagnostic tests and many of the therapeutic procedures use the effects of physical forces, ionizing and non-ionizing radiation on human body. Clinical biophysics implies that an understanding of the function, as well as an appreciation of the scope and limitations of the equipment used in diagnosis or therapy, are absolutely necessary for good medical practise.	
<b>Brief outline of the course:</b> 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, tympanometry 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:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> ULM/ CI-GM/09		<b>Course name:</b> Clinical Immunology			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 9.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> ULM/FI-GM/18 and UPF/PP-GM2/16					
<b>Conditions for course completion:</b> individual work exam					
<b>Learning outcomes:</b> The most common immune-mediated diseases, interpretation of immunological laboratory investigations, foundations of immunomodulatory therapy.					
<b>Brief outline of the course:</b> 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.					
<b>Recommended literature:</b> Abul K. Abbas, Andrew H. Lichtman: Basic Immunology - Functions and Disorders of the Immune System Third Edition / Updated Edition, Elsevier – Saunders, 2010, ISBN-13: 978-1-4160-5569-3, 312 pp. John B. Zabriskie, Kevin J. Tracey: Essential Clinical Immunology, Cambridge Medicine, 2009, ISBN-13: 978-0-521-70489-2, 372 pp. Edith McMahon: Immune Disorders, Springhouse Pub Co, 1995, ISBN-10: 0-87434-780-7, 208 pp.					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 43					
A	B	C	D	E	FX
97.67	2.33	0.0	0.0	0.0	0.0
<b>Provides:</b> doc. MUDr. Veronika Vargová, PhD.					

**Date of last modification:** 03.05.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> UFZ/ CPSM-GM/09		<b>Course name:</b> Clinical Physiology - Sleep Medicine			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 9.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> UFZ/Ph-GM2/14 and UPF/PP-GM2/16					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 51					
A	B	C	D	E	FX
50.98	33.33	11.76	3.92	0.0	0.0
<b>Provides:</b> prof. MUDr. Viliam Donič, CSc., doc. MUDr. Mária Pallayová, PhD., doc. MUDr. Roman Beňačka, CSc., mim.prof., RNDr. Soňa Grešová, PhD.					
<b>Date of last modification:</b> 18.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> ULI/ CB-GM/17	<b>Course name:</b> Computer Biometrics
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 5.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> ULI/MInf-GM/09	
<b>Conditions for course completion:</b> 1. 100% and active attendance. 2. Min. 60% from each test during the term. 3. Elaboration of all given classworks. 4. Final exam.	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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. Homogeneity 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 applications in medicine. Solution of typical tasks.	
<b>Recommended literature:</b> 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.	
<b>Course language:</b> english	

<b>Notes:</b>					
<b>Course assessment</b>					
Total number of assessed students: 89					
A	B	C	D	E	FX
38.2	33.71	19.1	0.0	2.25	6.74
<b>Provides:</b> doc. Ing. Jaroslav Majerník, PhD.					
<b>Date of last modification:</b> 17.05.2017					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> SK/Ds-GM/12		<b>Course name:</b> Dentistry			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 7.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> UP/PA-GM1/14 and UPF/PP-GM1/16 and ULM/MB-GM1/09					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 1020					
A	B	C	D	E	FX
25.29	15.2	18.43	17.25	19.71	4.12
<b>Provides:</b> MUDr. Peter Kizek, PhD., MDDr. Marcel Riznič, PhD., MUDr. Eva Janitorová, PhD., MUDr. Andrej Jenča, PhD., MUDr. Vladimíra Schwartzová, PhD., MDDr. Jozef Jendruch, MDDr. Juraj Bánovčín, PhD., MDDr. Petra Bejdová, MDDr. Milan Kotráň, MDDr. Jana Kluknavská					
<b>Date of last modification:</b>					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> KD/D-GM1/18	<b>Course name:</b> Dermatovenerology 1
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 1	
<b>Recommended semester/trimester of the course:</b> 7.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> ULM/MB-GM1/09 and UPF/PP-GM1/16 and UP/PA-GM1/14	
<b>Conditions for course completion:</b> tests medical examination of a patient, credit	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> Histology and histopathology of the skin. Skin diseases due to physical and chemical causes. Photodermatoses. Viral, bacterial, fungal and parasitic skin infections. Erythemosquamous diseases. Pustular diseases. Keratoses. Drug eruptions and allergic reactions. Dermatitis and eczema, occupational skin disease.	
<b>Recommended literature:</b> 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						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 1104						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
51.36	38.86	6.16	0.54	0.27	1.09	1.72
<b>Provides:</b> MUDr. Zuzana Baranová, PhD., MUDr. Janette Baloghová, PhD., MUDr. Zuzana Hrabovská, MUDr. Vladimíra Nagyová, MUDr. Gabriela Takáčová						
<b>Date of last modification:</b> 14.03.2018						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> KD/D-GM2/18	<b>Course name:</b> Dermatovenerology 2
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 8.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> KD/D-GM1/18	
<b>Conditions for course completion:</b> tests medical examination of a patient, credit	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> Atopic dermatitis. Seborrhoeic 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.	
<b>Recommended literature:</b> 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					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 874					
A	B	C	D	E	FX
36.27	15.1	17.16	12.36	17.39	1.72
<b>Provides:</b> MUDr. Zuzana Baranová, PhD., MUDr. Janette Baloghová, PhD., MUDr. Gabriela Takáčová					
<b>Date of last modification:</b> 14.03.2018					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> Dek. LF UPJŠ/DTD-GM/15		<b>Course name:</b> Diploma Thesis and Diploma Thesis Defence			
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 8					
<b>Recommended semester/trimester of the course:</b> 11., 12..					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> Dek. LF UPJŠ/SDT-GM1/17 and Dek. LF UPJŠ/SDT-GM2/12 and Dek. LF UPJŠ/SDT-GM3/12 and Dek. LF UPJŠ/SDT-GM4/12					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 606					
A	B	C	D	E	FX
50.99	25.91	14.52	5.61	2.97	0.0
<b>Provides:</b>					
<b>Date of last modification:</b>					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> IK/ DTP-GM/16		<b>Course name:</b> Donation and Transplantation Programme				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 0 <b>Per study period:</b> 28 / 0 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 10.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 0						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b>						
<b>Date of last modification:</b>						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> UE/E-GM/16	<b>Course name:</b> Epidemiology
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 8.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> ULM/MB-GM2/14 and UPF/PP-GM1/16	
<b>Conditions for course completion:</b> Attendance on lectures, active participation and discussion. Seminar – seminars work on chosen topic with presentation. Written test.	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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	
<b>Course language:</b> english	
<b>Notes:</b>	



<b>Course assessment</b>					
Total number of assessed students: 1418					
A	B	C	D	E	FX
7.55	23.13	32.3	24.89	11.78	0.35
<b>Provides:</b> doc. MVDr. Monika Halánová, PhD., mim. prof., MUDr. Ingrid Babinská, PhD., MPH, Mgr. 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 Kolarčík, PhD., Mgr. Jaroslava Kopčáková, prof. Mgr. Andrea Madarasová Gecková, PhD.					
<b>Date of last modification:</b> 17.05.2016					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> ULI/ MZND-GM/12		<b>Course name:</b> Evidence Based Medicine				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 6., 8., 10.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> ULI/MInf-GM/09						
<b>Conditions for course completion:</b> 1. 100% and active attendance. 2. Min. 60% from each test during the term. 3. Elaboration of all given classworks.						
<b>Learning outcomes:</b> 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.						
<b>Brief outline of the course:</b> 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.						
<b>Recommended literature:</b> 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.						
<b>Course language:</b> english						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 46						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
54.35	6.52	0.0	0.0	0.0	0.0	39.13

<b>Provides:</b> doc. Ing. Jaroslav Majerník, PhD.
<b>Date of last modification:</b> 12.05.2016
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> 1. KAIM/FAID-GM/09		<b>Course name:</b> First Aid				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 1.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b> 1. Pass all exercises - 100% participation in exercises 2. Test - min. 75% criteria						
<b>Learning outcomes:</b> Practical education in cardiopulmonary resuscitation, care of the bleeding victim, burns care, covering and immobilization of injury of the skeleton.						
<b>Brief outline of the course:</b> 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						
<b>Recommended literature:</b> 1. First Aid Manual (DK First Aid) John Ambulance (Author), 10th edition, 2014, ISBN: 978-1-4093-4200-7. 2. First Aid for Babies and Children by DK, DK (Author), 5th edition, 2012, ISBN: 978-1409379126. www.erc.com						
<b>Course language:</b> English						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 2477						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
57.04	8.8	8.64	4.72	4.48	12.39	3.92
<b>Provides:</b> MUDr. Judita Capková, PhD., MUDr. Monika Grochová, PhD., MUDr. Vladimír Hudák, PhD., MUDr. Štefan Ivanecký, doc. MUDr. Radoslav Morochovič, PhD., MUDr. Štefan Trenkler, PhD., MUDr. Ján Babík, CSc., doc. MUDr. Jozef Belák, PhD., prof. MUDr. Juraj Bober,						

CSc., prof. MUDr. Mária Frankovičová, PhD., doc. MUDr. Miroslav Gajdoš, CSc., MPH, mim. prof., MUDr. Pavol Harbulák, doc. MUDr. Miroslav Janík, CSc., prof. MUDr. Jana Kaľuchová, PhD. MBA, MUDr. Marián Kudláč, doc. MUDr. Igor Kundrát, CSc., MUDr. Ľubomír Lachváč, PhD., doc. MUDr. Marek Lacko, PhD., prof. MUDr. Vincent Nagy, PhD., MPH, prof. MUDr. Jozef Radoňak, CSc., MPH, MUDr. Milan Stebnický, PhD., prof. MUDr. Július Vajó, DrSc., prof. MUDr. Ladislav Valanský, PhD., MUDr. Marek Vargovčák, doc. MUDr. Michal Vaľko, PhD., doc. MUDr. Gabriel Vaško, CSc., MUDr. Jozef Voltér, MUDr. Andrej Vrzgula, PhD., doc. MUDr. Jozef Výrostko, CSc., MUDr. Natália Šimková, MUDr. Róbert Šimon, PhD., MPH, MUDr. Milan Šudák, PhD., prof. MUDr. Igor Šulla, DrSc., MUDr. Matúš Maruniak

**Date of last modification:** 11.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> USL/ FC-GM/16		<b>Course name:</b> Forensic Criminalistics				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 8., 10.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 33						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	78.79	0.0	0.0	0.0	0.0	21.21
<b>Provides:</b> MUDr. Nikita Bobrov, CSc., MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Ingrid Nerantzakis, MUDr. Dorota Sopková						
<b>Date of last modification:</b> 11.02.2017						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> USL/ FMML-GM/16		<b>Course name:</b> Forensic Medicine and Medicine Law			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 10.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> UA/A-GM3/17 and UP/PA-GM2/16 and UPF/PP-GM2/16					
<b>Conditions for course completion:</b> Current computer test. Final computer test. Oral exam.					
<b>Learning outcomes:</b> The subject is aimed to the application of medical knowledge for the investigation and evaluation of different types of violence onto the human organism, for finding and documentation of causes and circumstances in sudden, non-expected deaths and fatal cases related to diagnostic and medical care treatment, for the solution of facts and proofs for the legal analysis in consideration of national specific legislation.					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 640					
A	B	C	D	E	FX
90.94	6.72	1.56	0.31	0.47	0.0
<b>Provides:</b> MUDr. Nikita Bobrov, CSc., MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Dorota Sopková					
<b>Date of last modification:</b> 01.03.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> 1. IK/ FNCD-GM/16		<b>Course name:</b> Fundamentals in Nutrition and Clinical Dietology				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 10.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> IK/IM-GM3/17						
<b>Conditions for course completion:</b> 1. Attendance confirmed in the student's book, possible two absences, more needs to compensate 2. Appreciation of the knowledge during classes by the teacher						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b> Omega 3-PUFA a metabolic syndrome.Malnutrition, Obesity.Principles of diet in lipid disorders, obesity and diabetes type 2 patients.Weight loss diet plans and evidence based medicine.Probiotics.Enteral and Parenteral Nutrition.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						
<b>Recommended literature:</b> 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						
<b>Course language:</b> english						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 40						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
85.0	12.5	0.0	0.0	0.0	0.0	2.5
<b>Provides:</b> doc. MUDr. Viola Vargová, PhD.						



**Date of last modification:** 21.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> UVZH/ FHRA-GM/15		<b>Course name:</b> Fundamentals of Health Risk Assessment			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 0 <b>Per study period:</b> 28 / 0 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 9.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 24					
A	B	C	D	E	FX
45.83	25.0	8.33	4.17	12.5	4.17
<b>Provides:</b> doc. MUDr. Kvetoslava Rimárová, CSc., mim.prof.					
<b>Date of last modification:</b> 11.09.2015					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> ULM/ FI-GM/18		<b>Course name:</b> Fundamentals of Immunology			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 5					
<b>Recommended semester/trimester of the course:</b> 4.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> ULBL/B-GM1/09					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 1848					
A	B	C	D	E	FX
21.7	7.63	19.86	15.42	21.92	13.47
<b>Provides:</b> RNDr. Marián Sabol, CSc., Dr.h.c. prof. MUDr. Leonard Siegfried, CSc.					
<b>Date of last modification:</b> 14.03.2018					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> KVL Šaca/GM-GM/15		<b>Course name:</b> General Medicine				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 9.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> IK/IP-GM/15 and ChK/SP-GM/15						
<b>Conditions for course completion:</b> Lectures, Practice, Fellowships, completion of the course						
<b>Learning outcomes:</b> 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. Ethics. Law. Documentation.						
<b>Brief outline of the course:</b> 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						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 858						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
46.97	52.21	0.0	0.0	0.0	0.82	0.0
<b>Provides:</b> prof. MUDr. PhD. Peter Kalanin, PhD., MUDr. Beatrice Kőváryová, MUDr. Matej Šajty, PhD., MUDr. Katarína Šajtyová, PhD.						

**Date of last modification:** 21.10.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> KGO/ GE-GM/09		<b>Course name:</b> Geriatrics			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 9.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> IK/IM-GM1/16 and 1. PK/PMC-GM/18					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 67					
A	B	C	D	E	FX
71.64	19.4	4.48	4.48	0.0	0.0
<b>Provides:</b> doc. MUDr. Marián Sninčák, CSc., mim.prof.					
<b>Date of last modification:</b> 21.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> G-PK/ GO-SS-GM/18		<b>Course name:</b> Gynaecology and Obstetrics			
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 11., 12..					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> G-PK/GO-GM3/16 and G-PK/CGO-GM/18 and UFR/PM-GM2/17					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 566					
A	B	C	D	E	FX
50.0	16.25	14.66	8.48	6.36	4.24
<b>Provides:</b>					
<b>Date of last modification:</b>					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> G-PK/ GO-GM1/09		<b>Course name:</b> Gynaecology and Obstetrics 1				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 3						
<b>Recommended semester/trimester of the course:</b> 9.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> IK/IM-GM3/17						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 828						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
48.79	6.4	9.18	13.89	11.84	9.66	0.24
<b>Provides:</b> doc. MUDr. Peter Urdzík, PhD., MPH, mim. prof., prof. MUDr. Róbert Dankovčík, PhD., MPH, MUDr. Peter Suchánek, PhD. MBA, 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, MUDr. Erik Dosedla, MBA, PhD., MUDr. Andrea Grendelová, doc. MUDr. Vladimír Kraus, CSc., MUDr. Ján Richnavský, PhD., MUDr. Gabriel Tóth, MUDr. Martina Vargová						
<b>Date of last modification:</b> 05.09.2017						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> G-PK/ GO-GM2/09		<b>Course name:</b> Gynaecology and Obstetrics 2				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 3 <b>Per study period:</b> 28 / 42 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 4						
<b>Recommended semester/trimester of the course:</b> 10.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> G-PK/GO-GM1/09						
<b>Conditions for course completion:</b> - 100 % participation in practical lesson, signed in logbook - 100% attendance of lectures - obtain at least 60% from credit test (mark E)						
<b>Learning outcomes:</b> Aim of subject: get to know basic examination and therapeutic methods in gynecology and obstetrics						
<b>Brief outline of the course:</b> Basic structure of subject: basic examination methods in obstetrics, process of physiocological and pathological pregnancy, pshysiological and pathological birth						
<b>Recommended literature:</b> 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						
<b>Course language:</b> English language						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 646						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
61.61	4.64	7.59	10.37	9.6	6.19	0.0
<b>Provides:</b> MUDr. Viera Dudičová, PhD., doc. MUDr. Silvia Toporcerová, PhD. MBA, doc. MUDr. Peter Urdzík, PhD., MPH, mim. prof., 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

**Date of last modification:** 13.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> G-PK/ GO-GM3/16		<b>Course name:</b> Gynaecology and Obstetrics 3				
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 160s <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 9						
<b>Recommended semester/trimester of the course:</b> 11., 12..						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> G-PK/GO-GM2/09						
<b>Conditions for course completion:</b> - 100 % participation in practical lectures, signed in logbook - obtain at least 60% from credit test (Mark E)						
<b>Learning outcomes:</b> aim of subject: get to know operative techniques in gynecology and obstetrics, reiteration of knowledge						
<b>Brief outline of the course:</b> basic structure: basic operative techniques in gyn&obs specialiyed operative, techniques, prenatal diagnostic techniques (amniocentesis), techniques in minimal invasive surgery (hysteroscopy, laparoscopy), process of physiological and pathological gravidity, psysiological birt, menstrual cycle disorders, infection in gynecology, benign and malignant tumors, sterility, urogynecology, breast disease						
<b>Recommended literature:</b> Obsterics and gyneacology Steven G. Gabbe Jeniffe R. Niebyl Joe Leih simpson ISBN 978-1-4377-1935-2 2012						
<b>Course language:</b> English language						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 584						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
50.17	23.63	5.82	6.51	5.48	8.05	0.34

**Provides:** 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., MUDr. Erik Dosedla, MBA, PhD., doc. MUDr. Vladimír Kraus, CSc., MUDr. Ján Richnavský, PhD., MUDr. Gabriel Tóth, MUDr. Zuzana Turcsányiová, MUDr. Martina Vargová

**Date of last modification:** 13.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> USBM/ HCM-GM/13		<b>Course name:</b> Health Care Management			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 9.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 71					
A	B	C	D	E	FX
64.79	12.68	14.08	0.0	5.63	2.82
<b>Provides:</b>					
<b>Date of last modification:</b>					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> USL/ HDMP-GM/16		<b>Course name:</b> Health Damage in Medical Practice				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 8., 10.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 6						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	83.33	16.67	0.0	0.0	0.0	0.0
<b>Provides:</b> MUDr. Nikita Bobrov, CSc., MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Ingrid Nerantzakis, MUDr. Dorota Sopková						
<b>Date of last modification:</b> 10.02.2017						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> UPZ/ HP-GM/10		<b>Course name:</b> Health Psychology				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 8.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 158						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
37.97	36.08	8.23	2.53	0.0	0.63	14.56
<b>Provides:</b> Mgr. Peter Kolarčík, PhD., Mgr. Daniela Fiľakovská, PhD., doc. Mgr. Zuzana Dankulincová, PhD., Mgr. Jana Holubčíková, PhD., Mgr. Daniela Husárová, PhD., Mgr. Jaroslava Kopčáková, Mgr. Laura Urbanová, PhDr. Ivana Skoumalová						
<b>Date of last modification:</b> 03.05.2015						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> UHE/ HE-GM1/13	<b>Course name:</b> Histology and Embryology 1
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice / Controlled study hour <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 3 / 1 <b>Per study period:</b> 28 / 42 / 14 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 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	
<b>Learning outcomes:</b> 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 I is concerned with basic principles of early human development.	
<b>Brief outline of the course:</b> Histologic technic; Cytology; Epithelial tissue; Connective tissue proper; Cartilage; Bone; Ossification; Muscle tissue; Nervous tissue; Cardiovascular system. Embryology - blastogenesis, early organogenesis.	
<b>Recommended literature:</b> 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)	
<b>Course language:</b> English	
<b>Notes:</b>	



<b>Course assessment</b>						
Total number of assessed students: 3928						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
53.97	0.92	2.95	6.21	9.78	16.75	9.42
<b>Provides:</b> prof. MUDr. Eva Mechírová, CSc., doc. MVDr. Iveta Domoráková, PhD., doc. MVDr. Jarmila Veselá, CSc., RNDr. Marianna Danková, PhD., doc. MVDr. Štefan Tóth, PhD., MVDr. Zuzana Fagová, MUDr. Alexandra Kunová						
<b>Date of last modification:</b> 14.02.2019						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> UHE/ HE-GM2/17	<b>Course name:</b> Histology and Embryology 2
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice / Controlled study hour <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 4 / 1 <b>Per study period:</b> 28 / 56 / 14 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 7	
<b>Recommended semester/trimester of the course:</b> 3.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> UHE/HE-GM1/13	
<b>Conditions for course completion:</b> Requirements of HE2 during semester: 1. Student has to attend all practical lessons (100%) and minimally 70% of the lectures. 2. Control tests – average minimum 60% 3. Semestral slide test (two slides) - minimum 60% of each slide. 4. 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	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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)	

<b>Course language:</b> English					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 2114					
A	B	C	D	E	FX
4.82	7.81	14.62	16.23	26.4	30.13
<b>Provides:</b> prof. MUDr. Eva Mechírová, CSc., doc. MVDr. Iveta Domoráková, PhD., doc. MVDr. Jarmila Veselá, CSc., RNDr. Marianna Danková, PhD., doc. MVDr. Štefan Tóth, PhD., MVDr. Zuzana Fagová, MUDr. Alexandra Kunová					
<b>Date of last modification:</b> 14.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> ULI/ HIS-GM/17	<b>Course name:</b> Hospital Information System
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 5.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> ULI/MInf-GM/09	
<b>Conditions for course completion:</b> 1. 100% and active attendance. 2. Min. 60% from each test during the term. 3. Elaboration of all given classworks. 4. Final exam.	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 1. Majerník J., Kotlářová 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.	
<b>Course language:</b> english	

<b>Notes:</b>					
<b>Course assessment</b>					
Total number of assessed students: 113					
A	B	C	D	E	FX
52.21	28.32	8.85	4.42	0.88	5.31
<b>Provides:</b> doc. Ing. Jaroslav Majerník, PhD.					
<b>Date of last modification:</b> 17.05.2017					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> UVZH/ H-GM/18	<b>Course name:</b> Hygiene
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 7.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> UFZ/Ph-GM2/14	
<b>Conditions for course completion:</b> 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.	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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/higiiena/main.pdf>

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 1220

A	B	C	D	E	FX
8.85	14.18	18.61	30.0	25.33	3.03

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

**Date of last modification:** 14.03.2018

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> KICM/ IFM-GM/17		<b>Course name:</b> Infectology			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 3 <b>Per study period:</b> 14 / 42 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 9.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> IK/IM-GM2/14					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b> Epidemiological aspects and basic diagnostics of infectious diseases, the basic principles of anti-infectious treatment, current problems of infectology in the 21st century.					
<b>Brief outline of the course:</b> 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.					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 843					
A	B	C	D	E	FX
49.23	23.01	14.0	5.81	6.76	1.19
<b>Provides:</b> 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					
<b>Date of last modification:</b> 17.05.2017					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> IK/IM-SS-GM/18	<b>Course name:</b> Internal Medicine
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 11., 12..	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> IK/IM-GM6/18 and IK/CIM-GM/18 and KVL Šaca/CGM-GM/18 and UFR/PM-GM2/17 and 1. PK/PT-GM2/18 and 1. KAIM/AIM-GM/16 and ULCHBKB/CB-GM/18 and KICM/IFM-GM/17	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b> Graduate acquires knowledge in accordance with the profile of the graduating general medicine	
<b>Brief outline of the course:</b> <ol style="list-style-type: none"> <li>1. Methods of investigation in cardiology</li> <li>2. Cardiac arrhythmias</li> <li>3. Coronary heart disease</li> <li>4. Acute myocardial infarction</li> <li>5. Congestive heart failure</li> <li>6. Acute pulmonary embolism</li> <li>7. Rheumatic fever</li> <li>8. Endocarditis</li> <li>9. Myocarditis</li> <li>10. Pericarditis</li> <li>11. Mitral stenosis and regurgitation</li> <li>12. Aortic stenosis and regurgitation</li> <li>13. Atherosclerosis</li> <li>14. Systemic hypertension</li> <li>15. Secondary hypertension</li> <li>16. Syncope</li> <li>17. Shock</li> <li>18. Cardiomyopathy</li> <li>19. Chronic pulmonary heart disease</li> <li>20. Peripheral vascular disease</li> <li>21. Methods of investigation in pneumology</li> <li>22. Chronic obstructive pulmonary disease</li> <li>23. Diffuse interstitial lung disorders</li> <li>24. Bronchial asthma</li> </ol>	

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 anemias
79. Macrocytic anemias
80. Haemolytic anemias
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. Drog 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 resuscitation
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:**

1. Kumar and Clarks: Clinical Medicine, 7th – 8th Edition
2. Kasper D, Fauci A. Harrison ´s principles of Internal Medicine

**Course language:**

<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 577					
A	B	C	D	E	FX
19.58	15.42	19.41	17.33	23.92	4.33
<b>Provides:</b>					
<b>Date of last modification:</b> 16.03.2018					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> IK/IP-GM/15	<b>Course name:</b> Internal Medicine - Propedeutics
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b> 5.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> UA/A-GM2/14 and UFZ/Ph-GM1/17	
<b>Conditions for course completion:</b> 1. Attendance confirmed in the student's book, possible two absences, more needs to compensate 2. Test, 30 questions, needs to achieve 60% 3. Appreciation of the knowledge during classes by the teacher 4. To the exam bring the student's book with the appreciation, white coat, stethoscopes 5. Conditions for preterm – teacher's recommendation, achievement of 27 points from 30 questions test	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b> 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. Percussion 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. 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 signs of cardiac diseases 7. The symptoms and signs of diseases of peripheral arteries and veins 8. The symptoms and signs of the respiratory diseases	

9. The symptoms and signs of kidney and bladder diseases
10. The symptoms and signs of the hematological diseases
11. The symptoms and signs of rheumatic disorders
12. Symptoms and signs of endocrine disorders
13. The symptoms and signs 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 pressure, examination of pulse
32. Body temperature and fever
33. The physical signs 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 arrhythmias
41. ECG - ventricular arrhythmias
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 Introduction to Clinical Medicine, 1993

**Course language:**

**Notes:**

<b>Course assessment</b>					
Total number of assessed students: 1504					
A	B	C	D	E	FX
15.82	24.73	23.27	13.96	16.62	5.59
<p><b>Provides:</b> prof. MUDr. Peter Mitro, PhD., prof. MUDr. Gabriel Valočik, PhD., prof. MUDr. Ružena Tkáčová, DrSc., prof. MUDr. Dušan Trejbal, CSc., 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., MUDr. Pavol Joppa, PhD., MUDr. Marek Varga, PhD., doc. MUDr. Želmíra Macejová, PhD., MPH, mim. prof., 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., MUDr. Mária Rašiová, PhD., MUDr. Martin Janičko, PhD., MUDr. Lýdia Pundová, CSc., MUDr. Jana Deptová, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Ľubomír Tomáš, PhD., MUDr. Ivan Majerčák, doc. MUDr. Zbynek Schroner, PhD., MUDr. Slavomír Perečinský, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Ján Pobeha, MUDr. Pavol Pobeha, PhD., MUDr. Ivana Gotthardová, PhD., MUDr. Zuzana Malachovská, PhD., MUDr. Eliška Fatľová, MUDr. Alexandra Lisovszki, MUDr. Veronika Koňaková, MUDr. Martin Medvid', MUDr. Mgr. Ivana Jochmanová, PhD., MUDr. Štefan Sotak, PhD., MBA, LL.M., MUDr. Ivana Trojová, MUDr. Ivana Paraničová, 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. Božena Nováková, PhD., MUDr. Lucia Tomková, PhD., MUDr. Alina Putrya, MUDr. Anna Ťrgeová, MUDr. Laura Gombošová, PhD., MUDr. Zora Lazúrová</p>					
<b>Date of last modification:</b> 19.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> IK/IM-GM1/16		<b>Course name:</b> Internal Medicine 1				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 3 / 3 <b>Per study period:</b> 42 / 42 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 5						
<b>Recommended semester/trimester of the course:</b> 6.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> UFZ/Ph-GM2/14 and IK/IP-GM/15						
<b>Conditions for course completion:</b> 1. Attendance confirmed in the student's book, possible two absences, more needs to compensate 2. Test, 30 questions, needs to achieve 60% 3. Appreciation of the knowledge during classes by the teacher						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b> 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 insufficiency. Inflammatory lung diseases. Investigation methods in pneumology. Bronchogenic carcinoma, other lung tumours Bronchial asthma – diagnosis and treatment .Interstitial lung diseases						
<b>Recommended literature:</b> 1. Kumar and Clarks: Clinical Medicine, 7th – 8th Edition 2. Kasper D, Fauci A. Harrison's principles of Internal Medicine						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 1188						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
63.3	23.82	6.31	2.53	1.43	2.27	0.34
<b>Provides:</b> prof. MUDr. Ružena Tkáčová, DrSc., 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., MUDr. Pavol Joppa, PhD., doc. MUDr. Želmíra Macejová, PhD., MPH, mim. prof.,						



prof. MUDr. Dušan Trejbal, CSc., prof. MUDr. Jozef Pella, PhD., prof. MUDr. Elena Tóthová, CSc., 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. Lýdia Pundová, CSc., 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 Malachovská, PhD., MUDr. Mária Rašiová, PhD., MUDr. Katarína Demková, PhD., MUDr. Ivana Trojová, MUDr. Božena Nováková, PhD., doc. MUDr. Ján Fedačko, PhD., Mgr. MUDr. Štefan Tóth, MBA, PhD., MUDr. Miloš Šimurda, PhD., doc. MUDr. Marián Sninčák, CSc., mim.prof., MUDr. Lucia Tomková, PhD., MUDr. Alina Putrya, MUDr. Simona Ujházi, MUDr. Peter Gášpár, MUDr. Mikuláš Huňavý, MUDr. Monika Jankajová, PhD., MUDr. Stanislav Juhás, CSc., MUDr. Alžbeta Kollárová, MUDr. Lucia Kubíková, MUDr. Silvia Mišíková, PhD., MPH, MUDr. Pavol Murín, PhD., MUDr. Andrea Kirschová, MUDr. Dominik Pella, MUDr. Marek Hudák, PhD., MUDr. Alexander Bohó, PhD., MUDr. Laura Gombošová, PhD., MUDr. Anna Ťrgeová, MUDr. Mgr. Ivana Jochmanová, PhD., MUDr. Jaroslav Rosenberger, PhD., MUDr. Zora Lazúrová, MUDr. Jana Figurová, PhD.

**Date of last modification:** 30.09.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> IK/IM-GM2/14		<b>Course name:</b> Internal Medicine 2				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 3 <b>Per study period:</b> 28 / 42 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 4						
<b>Recommended semester/trimester of the course:</b> 7.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> IK/IM-GM1/16						
<b>Conditions for course completion:</b> 1. Attendance confirmed in the student's book, possible two absences, more needs to compensate 2. Test, 30 questions, needs to achieve 60% 3. Appreciation of the knowledge during classes by the teacher						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b> 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						
<b>Recommended literature:</b> 1. Kumar and Clarks: Clinical Medicine, 7th – 8th Edition 2. Kasper D, Fauci A. Harrison 's principles of Internal Medicine						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 1063						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
51.74	30.29	8.09	4.23	1.98	3.67	0.0
<b>Provides:</b> prof. MUDr. Elena Tóthová, CSc., prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Dušan Trejbal, CSc., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, doc. MUDr. Eva Szabóová, PhD., doc. MUDr. Želmíra Macejová, PhD., MPH, mim. prof., prof. MUDr. Jozef Pella, PhD., prof. MUDr. Peter Mitro, PhD., prof. MUDr. Gabriel Valočík, PhD., prof. MUDr. Ružena Tkáčová, DrSc., prof. MUDr. Štefan Koval, PhD., doc. MUDr. Ivana Valočíková, 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., MUDr. Pavol Joppa, PhD., MUDr. Ján Pobeha, MUDr. Martin Javorský, PhD., MUDr. Alojz Rajnič, PhD., MUDr. Lýdia Pundová, CSc., MUDr. Ivan Majerčák, doc. MUDr. Ingrid Dravecká, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Miriam Kozárová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Lucia Tomková, PhD., MUDr. Božena Nováková, PhD., MUDr. Martin Janičko, PhD., MUDr. Ľubomír Tomáš, PhD., MUDr. Lucia Vaszilyová, PhD., MUDr. Eliška Fatľová, MUDr. Ivana Gotthardová, PhD., MUDr. Alexandra Lisovszki, MUDr. Zuzana Malachovská, PhD., MUDr. Mária Rašiová, PhD., MUDr. Ivana Trojová, Mgr. MUDr. Štefan Tóth, MBA, PhD., MUDr. Alina Putrya, MUDr. Anna Ťrgeová, MUDr. Katarína Demková, PhD., MUDr. Jana Deptová, PhD., MUDr. Jaroslav Rosenberger, PhD., MUDr. Laura Gombošová, PhD., MUDr. Mgr. Ivana Jochmanová, PhD., MUDr. Zora Lazúrová

**Date of last modification:** 30.09.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> IK/IM-GM3/17		<b>Course name:</b> Internal Medicine 3				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 3 / 3 <b>Per study period:</b> 42 / 42 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 5						
<b>Recommended semester/trimester of the course:</b> 8.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> IK/IM-GM2/14						
<b>Conditions for course completion:</b> 1. Attendance confirmed in the student's book, possible two absences, more needs to compensate 2. Test, 30 questions, needs to achieve 60% 3. Appreciation of the knowledges during classes by the teacher						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b> Lymphoproliferative disorders .Multiple myeloma. Monoclonal gamapaties - dif.dg.Investigation methods in gastroenterology and hepatology .Anticoagulation and fibrinolytic therapy Blood transfusion.Haemostasis and its disorders .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 immunosuppressive treatment.Treatment with glucocorticoids						
<b>Recommended literature:</b> 1. Kumar and Clarks: Clinical Medicine, 7th – 8th Edition 2. Kasper D, Fauci A. Harrison 's principles of Internal Medicine						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 871						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
60.62	29.28	6.43	1.26	0.34	1.95	0.11
<b>Provides:</b> doc. MUDr. Marián Sninčák, CSc., mim.prof., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, prof. MUDr. Elena Tóthová, CSc., doc. MUDr. Ivana Valočiková, PhD., prof. MUDr. Peter Jarčuška, PhD., doc. MUDr. Norbert Lukán, PhD., MUDr. Eduard Veseliny, PhD., doc.						

MUDr. Želmíra Macejová, PhD., MPH, mim. prof., prof. MUDr. Daniel Pella, PhD., prof. MUDr. Štefan Koval, PhD., prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Dušan Trejbal, CSc., prof. MUDr. Ružena Tkáčová, DrSc., 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., MUDr. Martin Janičko, PhD., doc. MUDr. Ján Fedačko, PhD., MUDr. Božena Nováková, PhD., MUDr. Peter Horváth, MUDr. Ivan Majerčák, MUDr. Martin Javorský, PhD., doc. MUDr. Zbynek Schroner, PhD., MUDr. Pavol Joppa, PhD., MUDr. Miriam Kozárová, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Alojz Rajnič, PhD., MUDr. Lýdia Pundová, CSc., MUDr. Zuzana Kuklišová, PhD., MUDr. Marek Varga, PhD., MUDr. Ivana Gotthardová, PhD., MUDr. Mária Rašiová, PhD., MUDr. Ivana Trojová, MUDr. Kamila Brúsiková, PhD., MUDr. Lucia Tomková, PhD., MUDr. Štefan Sotak, PhD., MBA, LL.M., Mgr. MUDr. Štefan Tóth, MBA, PhD., MUDr. Alina Putrya, MUDr. Simona Ujházi, MUDr. Laura Gombošová, PhD., MUDr. Anna Ťrgeová, MUDr. Katarína Demková, PhD., MUDr. Zuzana Malachovská, PhD., MUDr. Jaroslav Rosenberger, PhD., MUDr. Mgr. Ivana Jochmanová, PhD., MUDr. Zora Lazúrová, MUDr. Jana Figurová, PhD.

**Date of last modification:** 17.05.2017

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> IK/IM-GM4/18	<b>Course name:</b> Internal Medicine 4
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 9.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> IK/IM-GM3/17 and ULCHBKB/MBCH-GM2/18	
<b>Conditions for course completion:</b> 1. Attendance confirmed in the student's book. 2. Appreciation of the knowledge during classes by the teacher, Test, 30 questions, needs to achieve 60%	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b> Investigation methods in nephrology .Nephrotic syndrome. Differential diagnosis of proteinuria Fluid and electrolyte disorders .Tubulointerstitial nephropathy. Nephrolithiasis. Acute renal failure. Dialysis.Chronic renal failure. Kidney transplantation.Glomerular diseases. Glomerulonephritis.Investigation methods in rheumatology .Rheumatoid arthritis Systemic connective tissue diseases : Classification, systemic sclerosis, dermatomyositis. Sjogren syndrome.Systemic lupus erythematosus .Spondylarthropaties. Metabolic /crystal/ induced arthropaties .Metabolic bone diseases. Occupational Health. Syllabus - Introduction to occupational health.Occupational diseases caused by biological agents Occupational asthma - lung function testing (spirometry, bronchoprovocation tests, spiroergometry) Occupational diseases from overload - examination of upper extremities. Hand arm vibration syndrome.Occupational pneumopathies – diferentiation.Pneumoconiosis - ILO classification, HRCT.Occupational rhinitis – rhinomanometry.Other occupational diseases - cancer, skin diseases, other ...Toxicology I – intoxication by anorganic substances. Toxicology II – intoxication by organic substances.Obesity, cachexia, main causes, possibility of the treatment. Demonstration of the patients.Water and electrolyte disturbances. Disorders of acid.-base homeostasis, dg., principles of the treatment.Sleep apnea syndrome, central and obstructive sleep apnoe syndrome, dg., possibility of the treatment.Reaven syndrome, obesity and insuline resistance. Hyperlipoproteinemias. Nephrology.Blood transfusion, indications, procedures for blood transfusion, complications. Application of the blood transfusion within limits.Atherosclerosis – pathophysiology, clinical manifestations, treatment.	
<b>Recommended literature:</b> 1. Kumar and Clarks: Clinical Medicine, 7th – 8th Edition 2. Kasper D, Fauci A. Harrison 's principles of Internal Medicine	

<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b>						
Total number of assessed students: 826						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
48.91	43.7	4.72	1.09	0.0	1.09	0.48
<p><b>Provides:</b> doc. MUDr. Želmíra Macejová, PhD., MPH, mim. prof., prof. MUDr. Dušan Trejbal, CSc., 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. Ružena Tkáčová, DrSc., prof. MUDr. Elena Tóthová, CSc., 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., 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., MUDr. Božena Nováková, PhD., MUDr. Martin Janičko, PhD., MUDr. Ľubomír Tomáš, PhD., MUDr. Marek Varga, PhD., MUDr. Lýdia Pundová, CSc., MUDr. Ivan Majerčák, MUDr. Eduard Veseliny, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Ján Pobeha, MUDr. Pavol Joppa, PhD., MUDr. Mária Štolfová, PhD., MUDr. Eliška Fatľová, MUDr. Ivana Gotthardová, PhD., MUDr. Veronika Koňaková, MUDr. Alexandra Lisovszki, MUDr. Zuzana Malachovská, PhD., doc. MUDr. Marián Sninčák, CSc., mim.prof., MUDr. Kamila Brúsiková, PhD., MUDr. Štefan Sotak, PhD., MBA, LL.M., MUDr. Slavomír Perečinský, PhD., MUDr. Peter Olexa, PhD., prof. MUDr. Miroslav Mydlík, DrSc., MUDr. Anna Ťrgeová, MUDr. Katarína Demková, PhD., MUDr. Laura Gombošová, PhD., MUDr. Zora Lazúrová</p>						
<b>Date of last modification:</b> 19.02.2019						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> IK/IM-GM5/18	<b>Course name:</b> Internal Medicine 5
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 10.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> IK/IM-GM3/17	
<b>Conditions for course completion:</b> 1. Attendance confirmed in the student's book 2. Appreciation of the knowledge during classes by the teacher, Test, 30 questions, needs to achieve 60% 3. To the exam bring the student's book with the appreciation 4. The exam in the form of test, 60 questions	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b> Investigation methods in nephrology. Urinalysis. 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. <b>Topics:</b> 1. Investigation methods in nephrology 2. Glomerulonephritis – acute, rapid and progressive 3. Chronic glomerulonephritis 4. Nephrotic syndrome 5. Tubulointerstitial nephritis 6. Tumours of the kidney, polycystic kidney disease	



7. Renal calculi -nephrolithiasis
8. Acute kidney injury
9. Chronic kidney disease (chronic renal failure)
10. Rheumatoid arthritis
11. Spondylarthropathies (ankylosing spondylitis, reactive arthritis, psoriatic and enteropathic arthritis)
12. Organophosphate, insecticides and CO poisoning
13. Drug poisoning (paracetamol, NSAID, salicylates, antihistaminics)
14. Mushrooms poisoning
15. Acute poisoning – principles of management
16. Crystal arthritis – gout, hyperuricaemia
17. Water and electrolyte balance
18. Acid base balance
19. Osteoporosis
20. Systemic lupus erythematosus
21. Systemic inflammatory vasculitis
22. Systemic sclerosis (scleroderma), Sjögren's syndrome
23. Disease and the environment (heat, cold, electric shock, ionizing radiation)
24. The most common geriatric diseases
25. Osteoarthritis
26. Immune-based therapies (immunosuppressive, immunostimulant drugs, main indications in internal medicine)

**Recommended literature:**

1. Kumar and Clarks: Clinical Medicine, 8th Edition
2. Kasper D, Fauci A. Harrison 's principles of Internal Medicine

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 672

A	B	C	D	E	FX
33.93	23.66	18.45	12.95	10.12	0.89

**Provides:** MUDr. Anna Dobrovičová, PhD., MUDr. Mgr. Ivana Jochmanová, PhD., MUDr. Anna Ťrgeová, 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 Malachovská, PhD., MUDr. Alojz Rajnič, PhD., MUDr. Mária Rašiová, PhD., prof. MUDr. Ivan Tkáč, PhD.

**Date of last modification:** 19.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> IK/IM-GM6/18		<b>Course name:</b> Internal Medicine 6				
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 320s <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 13						
<b>Recommended semester/trimester of the course:</b> 11., 12..						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> IK/IM-GM5/18 and IK/IM-GM4/18 and NLK/NL-GM2/14						
<b>Conditions for course completion:</b> 1. Attendance confirmed in the student's book, possible two absences, more needs to compensate 2. Test, 60 questions 3. Examining of the patient, dg., dif. dg., treatment						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b> Back pain. Chest pain .Treatment with antibiotics and chemotherapeutics.Adverse drug reactions Immunodeficiency. Immunomodulatory and immunosuppressive treatment.Poisoning ( drugs, alcohol, mushroom.Septicaemia.Differential diagnosis of jaundice. Alcoholic liver disease .Paraneoplastic syndromes.Syncope. Shock.						
<b>Recommended literature:</b> 1.Kumar and Clarks: Clinical Medicine, 7th – 8th Edition 2.Kasper D, Fauci A. Harrison ´s principles of Internal Medicine						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 551						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
51.91	30.13	13.97	2.9	0.91	0.18	0.0
<b>Provides:</b> prof. MUDr. Pavol Jarčuška, PhD., 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, doc. MUDr. Želmíra Macejová, PhD., MPH, mim. prof., prof. MUDr. Ružena Tkáčová, DrSc., 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., MUDr. Martin Janičko, PhD., MUDr. Božena Nováková, PhD., MUDr. Miriam						

Kozárová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Marek Varga, PhD., MUDr. Alojz Rajnič, PhD., MUDr. Pavol Joppa, PhD., MUDr. Lýdia Pundová, CSc., MUDr. Martin Javorský, PhD., MUDr. Pavol Pobeha, PhD., MUDr. Lucia Tomková, PhD., Mgr. MUDr. Štefan Tóth, MBA, PhD., MUDr. Ivana Gotthardová, PhD., 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. Martin Novotný, PhD., MUDr. Ivana Trojová, MUDr. Pavol Murín, PhD., MUDr. Kamila Brúsiková, PhD., MUDr. Štefan Sotak, PhD., MBA, LL.M., MUDr. Alina Putrya, MUDr. Simona Ujházi, MUDr. Anna Ťrgeová, MUDr. Katarína Demková, PhD., MUDr. Zuzana Malachovská, 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.

**Date of last modification:** 16.03.2018

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> CJP/ LFKZSL1/16	<b>Course name:</b> Komunikačné zručnosti v slovenčine pre lekársku prax 1
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 3., 5., 7.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> Dek. LF UPJŠ/SL-GM2/15	
<b>Conditions for course completion:</b> Students must actively participate in the class. Max. 2 absences. Continuous assessment is based on 2 written tests (week 6 and 13), no retake, a minimum overall average of 60% is required. In the event of failure to attain the limit, the examination procedure is not permitted and the student is graded FX - failed at the end of teaching in the respective semester. Final assessment is based on one oral exam (presentation and 1 question from topics). Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%	
<b>Learning outcomes:</b> The development of language skills (reading, listening, speaking), improvement of linguistic and pragmatic competence with focus on Slovak for specific/professional purposes – General medicine.	
<b>Brief outline of the course:</b> Self-presentation I. Human body. Diseases, illnesses, signs and symptoms of diseases and illnesses. Medical specialties. Personal medical history. At the surgical department. At the paediatric department. Healthy lifestyle. Communication – doctor – patient. Selected grammatical issues (self-presentation, speech intentions, conditional, imperative, morphology and vocabulary enrichment for medical and nonmedical environment, phraseology).	
<b>Recommended literature:</b> Kamenárová, R. akol.: Krížom – krážom. Slovenčina A1. Bratislava, Univerzita Komenského 2007 Kamenárová, R. akol.: Krížom – krážom. Slovenčina A2. Bratislava, Univerzita Komenského 2007. Kamenárová, R. akol.: Krížom – krážom. Slovenčina A1 – A2. Cvičebnica. Bratislava, Univerzita Komenského 2007. Kamenárová, R. akol.: Krížom – krážom. Slovenčina B1. Bratislava, Univerzita Komenského 2011.	

Petruňová, H.: How to Use Slovak in a Medical Environment. Basic Slovak for Medical Students. FF UPJŠ, Košice, 2018  
Sedláková, M. a kol.: Slovenčina pre cudzincov. Pracovné listy. Košice: UPJŠ 2013.  
Petruňová, H.: Slovenčina pre medikov. Košice: UPJŠ 2001.  
Doplnkové materiály pripravené vyučujúcimi v printovej a elektronickej forme.

**Course language:**

Slovak Language A1.1 - A1.2

**Notes:**

**Course assessment**

Total number of assessed students: 3

A	B	C	D	E	FX
66.67	33.33	0.0	0.0	0.0	0.0

**Provides:** Mgr. Veronika Pálová

**Date of last modification:** 22.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> CJP/ LFKZSL2/16	<b>Course name:</b> Komunikačné zručnosti v slovenčine pre lekársku prax 2
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 4., 6., 8.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> CJP/LFKZSL1/16	
<b>Conditions for course completion:</b> Students must actively participate in the class. Max. 2 absences. Continuous assessment is based on 2 written tests (week 6 and 13), no retake, a minimum overall average of 60% is required. In the event of failure to attain the limit, the examination procedure is not permitted and the student is graded FX - failed at the end of teaching in the respective semester. Final assessment is based on one oral exam (presentation and 1 question from topics). Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%	
<b>Learning outcomes:</b> The development of language skills (reading, listening, speaking), improvement of linguistic and pragmatic competence with focus on English for specific/professional purposes – General medicine.	
<b>Brief outline of the course:</b> History taking. Personal details, Family history, Present illness. Drug and social history. Taking history in surgery, paediatrics, gynaecology and obstetrics, etc. Doctor – patient communication.	
<b>Recommended literature:</b> Kamenárová, R. akol.: Krížom – krážom. Slovenčina A2. Bratislava, Univerzita Komenského 2007. Kamenárová, R. akol.: Krížom – krážom. Slovenčina A1 – A2. Cvičebnica. Bratislava, Univerzita Komenského 2007. Kamenárová, R. akol.: Krížom – krážom. Slovenčina B1. Bratislava, Univerzita Komenského 2011. Petruňová, H.: How to Use Slovak in a Medical Environment. Basic Slovak for Medical Students. FF UPJŠ, Košice, 2018 Sedláková, M. a kol.: Slovenčina pre cudzincov. Pracovné listy. Košice: UPJŠ 2013. Petruňová, H.: Slovenčina pre medikov. Košice: UPJŠ 2001. Doplnkové materiály pripravené vyučujúcimi v printovej a elektronickej forme.	
<b>Course language:</b> Slovak Language A2	
<b>Notes:</b>	

<b>Course assessment</b>					
Total number of assessed students: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b> Mgr. Veronika Pálová					
<b>Date of last modification:</b> 22.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> ULCHBKB/LDCP-GM/13		<b>Course name:</b> Laboratory Diagnosis in Clinical Practice				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 7.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 30						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
46.67	0.0	13.33	6.67	0.0	0.0	33.33
<b>Provides:</b> 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.						
<b>Date of last modification:</b> 03.05.2015						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> ULCHBKB/MBCH-GM1/17		<b>Course name:</b> Medical Biochemistry 1				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 3 <b>Per study period:</b> 28 / 42 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 5						
<b>Recommended semester/trimester of the course:</b> 3.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 2006						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
50.75	0.6	1.15	3.79	6.38	23.63	13.71
<b>Provides:</b> doc. RNDr. Marek Stupák, PhD., prof. Ing. Mária Mareková, CSc., RNDr. Beáta Čižmárová, PhD., 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., RNDr. Ivana Špaková, PhD.						
<b>Date of last modification:</b> 05.04.2017						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> ULCHBKB/MBCH-GM2/18		<b>Course name:</b> Medical Biochemistry 2			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 3 / 3 <b>Per study period:</b> 42 / 42 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 7					
<b>Recommended semester/trimester of the course:</b> 4.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> ULCHBKB/MBCH-GM1/17 and ULCHBKB/MCH-GM/18					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 1616					
A	B	C	D	E	FX
3.59	4.08	9.34	15.59	43.44	23.95
<b>Provides:</b> 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.					
<b>Date of last modification:</b> 14.03.2018					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> ULBF/ MBF-GM/18	<b>Course name:</b> Medical Biophysics
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 4 / 3 <b>Per study period:</b> 56 / 42 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 7	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> A. Students can gain points during the term: a) small test at practical exercise b) attendance at practical lesson and accepted correct report (protocol) on measurement c) midterm test concerning lectured topics at midterm The score less than 60 % must be compensated by successful retake test at the end of practical course. Practical exercise is evaluated according the dean's methodological guideline No. 1/2016. B. Final exam evaluation: Two items contribute to the final exam evaluation. Their particular contribution to the final evaluation: 1. the score during permanent study check 20% 2. the final exam in the written form - at most 80%. To pass exam, none of above two items can be classified as Fx (failure). The knowledge evaluation is expression of percentual level (20%+80%) according the dean's methodological guideline annex No. 1/2016.	
<b>Learning outcomes:</b> 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 techniques, 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 additional benefit from the course students will be able to address biophysical problems having close relationship to health and sickness in man.	
<b>Brief outline of the course:</b> 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: 2210

A	B	C	D	E	FX
2.62	4.98	12.9	21.95	51.67	5.88

**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.

**Date of last modification:** 25.01.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> ULCHBKB/MCH-GM/18		<b>Course name:</b> Medical Chemistry			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 4					
<b>Recommended semester/trimester of the course:</b> 1.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 890					
A	B	C	D	E	FX
2.47	4.61	9.66	19.21	44.16	19.89
<b>Provides:</b> MUDr. Anna Birková, PhD., RNDr. Lukáš Smolko, PhD., RNDr. Ivana Špaková, PhD., doc. RNDr. Vladimíra Tomečková, 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., doc. Mgr. Peter Urban, PhD., prof. Ing. Mária Mareková, CSc.					
<b>Date of last modification:</b> 14.03.2018					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> CJP/ LFMCS/11	<b>Course name:</b> Medical Communication in Slovak
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 1 Per study period: 14</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 5.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> Dek. LF UPJŠ/SL-GM1/09 or Dek. LF UPJŠ/SL-GM2/15 or Dek. LF UPJŠ/SL-DM2/15 or Dek. LF UPJŠ/SL-DM1/09	
<b>Conditions for course completion:</b> Students must actively participate in the class. Max. 2 absences (2x 45 min.). Continuous assessment is based on 2 written tests (week 6/7 and 12/13), a minimum overall average of 60% is required. Students with a final overall average lower than 60 percent are given an opportunity to take a test in the last week (Week 14) of the semester. The test result must be at least 60 percent. 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. Final assessment is based on one oral exam. Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%	
<b>Learning outcomes:</b> After completing the course, students are able to communicate with patients in various departments in the hospital (internal medicine, surgery, paediatrics, gynaecology and obstetrics). They can take a history using specific questions and giving specific instructions to the patients, depending on the department/clinic.	
<b>Brief outline of the course:</b> History taking. Personal details, Family history, Present illness. Drug and social history. Taking history in surgery, paediatrics, gynaecology and obstetrics, etc. Doctor – patient communication.	
<b>Recommended literature:</b> Petruňová, H.: How to Use Slovak in a Medical Environment. Basic Slovak for Medical Students. FF UPJŠ, Košice, 2018 Materiály vyučujúcej	
<b>Course language:</b> Slovak A1 English A1	
<b>Notes:</b>	

<b>Course assessment</b>					
Total number of assessed students: 188					
A	B	C	D	E	FX
47.34	17.55	18.62	7.98	5.32	3.19
<b>Provides:</b> PhDr. Helena Petruňová, CSc., Mgr. Renáta Timková, PhD.					
<b>Date of last modification:</b> 22.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> UVZH/ ME-GM/15		<b>Course name:</b> Medical Ecology			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 5.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> ULBL/B-GM1/09					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 306					
A	B	C	D	E	FX
31.37	21.9	16.34	13.4	14.71	2.29
<b>Provides:</b> doc. MUDr. Kvetoslava Rimárová, CSc., mim.prof.					
<b>Date of last modification:</b> 11.09.2015					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> CJP/ LFME/11	<b>Course name:</b> Medical English
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 1 Per study period: 14</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 3., 5.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> KKF/LFMT/07	
<b>Conditions for course completion:</b> Active participation, 2 absences (2x45 min.) tolerated. Test (5th/6th week), min. 60%, no retake. Oral presentation. Exam - final exam test. Grading scale: A 93-100 %, B 85-92 %, C 77-84 %, D 69-76 %, E 60-68 %, FX 59% and less.	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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 <a href="http://www.bbc.co.uk/worldservice/learningenglish">http://www.bbc.co.uk/worldservice/learningenglish</a>	
<b>Course language:</b> English language, level B2 according to CEFR.	
<b>Notes:</b>	

<b>Course assessment</b>					
Total number of assessed students: 1282					
A	B	C	D	E	FX
45.63	16.07	13.96	9.83	8.97	5.54
<b>Provides:</b> PhDr. Helena Petruňová, CSc., Mgr. Zuzana Kolaříková, PhD., Mgr. Marianna Škultétyová, Mgr. Renáta Timková, PhD.					
<b>Date of last modification:</b> 31.01.2017					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> USL/ ME-GM/16		<b>Course name:</b> Medical Ethics			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 1., 7.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b> Current computer test. Final computer test. Written exam.					
<b>Learning outcomes:</b> The subject is aimed at acquiring knowledge about the ethical dimension of the doctor (medical worker) and the patient interactions with training skills to solve dilemma situations of medical practice, forming an overview of national and international acts relating to medical ethics and bioethics, comprehensive view on ethical issues in medicine in connection with the general trend towards global ethics and global responsibility accepting intercultural and interreligious insights.					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 1909					
A	B	C	D	E	FX
72.45	19.43	5.29	1.36	0.73	0.73
<b>Provides:</b> MUDr. Nikita Bobrov, CSc., MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Ingrid Nerantzakis, MUDr. Dorota Sopková					
<b>Date of last modification:</b> 11.02.2017					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> ULI/ MInf-GM/09	<b>Course name:</b> Medical Informatics
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 2 <b>Per study period:</b> 0 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 1.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 1. 100% and active attendance. 2. Min. 60% from each test during the term. 3. Elaboration of all given classworks.	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 1. Majerník J., Švída M., Majerníková Ž.: Medicínska informatika, UPJŠ, Košice 2010, Equilibria, ISBN 978-80-7097-811-5. 2. Majerník J., Kotlářová 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.	
<b>Course language:</b> english	
<b>Notes:</b>	

<b>Course assessment</b>						
Total number of assessed students: 2412						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
52.36	1.87	4.52	11.19	12.73	8.79	8.54
<b>Provides:</b> doc. Ing. Jaroslav Majerník, PhD., Ing. Lenka Szerdiová, PhD., Ing. Martina Habiňaková, PhD.						
<b>Date of last modification:</b> 11.02.2016						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> USL/ ML-GM/16		<b>Course name:</b> Medical Law			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 6., 8.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> KKF/LFMT/07 and UO/NC-GM2/09					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 24					
A	B	C	D	E	FX
91.67	4.17	4.17	0.0	0.0	0.0
<b>Provides:</b> MUDr. Nikita Bobrov, CSc., MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Ingrid Nerantzakis, MUDr. Dorota Sopková					
<b>Date of last modification:</b> 11.02.2017					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> KKF/ LFMT/07		<b>Course name:</b> Medical Terminology			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 1.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b> Two written tests during the semester, 40 maximum points, they will be added to the final exam (110 points)					
<b>Learning outcomes:</b> 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. Students should be able to decline words, understand basic rules of grammar and identify the parts of the word.					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b> Bujalkova, M., Jureckova, A.:Terminologia Medica. Greco-Latin Medical Terminology. UK Bratislava 2013 Steven NGAI: Understanding Anatomical Latin. Atlas of Human Body					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 2685					
A	B	C	D	E	FX
7.49	11.55	18.47	22.23	34.97	5.29
<b>Provides:</b> PhDr. Pavol Šalamon, Mgr. Martin Zborovjan, PhD., Bc. Zuzana Krokosová					
<b>Date of last modification:</b> 06.09.2016					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> USBM/ MBR-GM/13		<b>Course name:</b> Methodology of Biomedical Research				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 7.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> 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
<b>Provides:</b> Mgr. Iveta Rajničová Nagyová, PhD.						
<b>Date of last modification:</b>						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> ULM/ MB-GM1/09		<b>Course name:</b> Microbiology 1				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 4						
<b>Recommended semester/trimester of the course:</b> 4.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> ULBL/B-GM1/09						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 1695						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
63.42	2.89	9.09	8.85	5.43	9.03	1.3
<b>Provides:</b> RNDr. Marián Sabol, CSc., Dr.h.c. prof. MUDr. Leonard Siegfried, CSc., MVDr. Vladimír Hrabovský, PhD., MUDr. Marián Marcin, RNDr. Katarína Čurová, PhD.						
<b>Date of last modification:</b> 11.02.2016						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> ULM/ MB-GM2/14		<b>Course name:</b> Microbiology 2			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 3 <b>Per study period:</b> 28 / 42 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 6					
<b>Recommended semester/trimester of the course:</b> 5.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> ULM/MB-GM1/09					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 1587					
A	B	C	D	E	FX
26.53	8.32	14.87	11.91	18.71	19.66
<b>Provides:</b> RNDr. Marián Sabol, CSc., Dr.h.c. prof. MUDr. Leonard Siegfried, CSc., MVDr. Vladimír Hrabovský, PhD., MUDr. Marián Marcin, RNDr. Katarína Čurová, PhD.					
<b>Date of last modification:</b> 07.05.2015					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> UPF/ MPF-GM/14		<b>Course name:</b> Molecular Pathophysiology			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 0 <b>Per study period:</b> 14 / 0 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 6., 8.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> UPF/PP-GM1/16					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 11					
A	B	C	D	E	FX
63.64	27.27	9.09	0.0	0.0	0.0
<b>Provides:</b> doc. MUDr. Oliver Rácz, CSc., doc. MUDr. Roman Beňačka, CSc., mim.prof., MVDr. Eva Lovásová, PhD.					
<b>Date of last modification:</b> 03.05.2015					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> NLK/ NL-GM1/14	<b>Course name:</b> Neurology 1
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 7.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> UA/A-GM3/17	
<b>Conditions for course completion:</b> 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).	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b> 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 Hanzlúvka 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: 1087

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
49.77	13.25	4.14	10.86	11.04	9.02	1.93

**Provides:** prof. MUDr. Zuzana Gdovinová, CSc., doc. MUDr. Jarmila Szilasiová, PhD., MUDr. Mária Tormašiová, PhD., MUDr. Eva Feketeová, PhD., MUDr. Norbert Leško, MUDr. Marianna Vitková, PhD., doc. MUDr. Matej Škorvánek, PhD., MUDr. Vladimír Haň, MUDr. Milan Mareta, MUDr. Miroslav Benča, MUDr. Petra Došeková, MUDr. Alexandra Mosejová

**Date of last modification:** 16.09.2018

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> NLK/ NL-GM2/14	<b>Course name:</b> Neurology 2
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 4	
<b>Recommended semester/trimester of the course:</b> 8.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> NLK/NL-GM1/14	
<b>Conditions for course completion:</b> 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. Successful completion of the test. 4. Successful practical examination of the neurological patient. 5. The conditions for participation in the oral examination – fulfillment of the conditions 1, 2, 3 and 4.	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b> 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 –meningitis, encephalitis. Neurosyphilis. Lyme disease. AIDS. Brain abscess. Polyradiculoneuritis Guillain-Barre. Muscle diseases. Metabolic disorders.	
<b>Recommended literature:</b> Gdovinová Z., Szilasiová J.: Textbook of general neurology. Košice : Aprilla Ltd. for Hanzlúvka 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	
<b>Course language:</b> english language	
<b>Notes:</b>	

<b>Course assessment</b>					
Total number of assessed students: 946					
A	B	C	D	E	FX
18.39	13.21	19.13	11.1	18.5	19.66
<b>Provides:</b> doc. MUDr. Jarmila Szilasiová, PhD., MUDr. Eva Feketeová, PhD., doc. MUDr. Matej Škorvánek, PhD., MUDr. Vladimír Haň, prof. MUDr. Zuzana Gdovinová, CSc., MUDr. Milan Mareta, MUDr. Miroslav Benča, MUDr. Alexandra Mosejová, MUDr. Petra Došeková					
<b>Date of last modification:</b> 04.03.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> KNM/ NM-GM/14		<b>Course name:</b> Nuclear Medicine			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 7.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> ULBF/MBF-GM/18					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 1129					
A	B	C	D	E	FX
12.84	21.52	22.94	20.99	18.07	3.63
<b>Provides:</b> doc. MUDr. Ján Lepej, CSc.					
<b>Date of last modification:</b>					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> UO/ NCCP-GM/12		<b>Course name:</b> Nursing Care - Clinical procedures				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 2 <b>Per study period:</b> 0 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 6., 8.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> UO/NC-GM2/09						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b> Aim of nursing care is introduce to the student general knowledge about nursing care ant help them to gain skills of nursing clinical procedure which they will use in there medical practice in hospital. Student will be able to understand the main principals of the health care system, infection control, health and safety, nutrition of the patient... He/she will know different types of binders and bandages an will be able to provide them in practice.						
<b>Brief outline of the course:</b> Clinical observation, assessing vital signs. How to fill up observation chart correctly. Administration of medication. Administering parenteral medications - types of medications, types of syringes and needles, removing medication from a vial and an ampoule. Administering intradermal, subcutaneous, intramuscular, intravenous injection. Administering i. v. fluids and medications. Administering a blood transfusion. Clinical training in hospital environment - administering different types of parenteral medications, phlebotomy and blood sampling.						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 132						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
62.88	18.94	0.0	0.0	0.0	0.0	18.18
<b>Provides:</b> PhDr. Gabriela Štefková, PhD., doc. PhDr. Lucia Dimunová, PhD.						
<b>Date of last modification:</b> 15.02.2019						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> UO/NC-C-GM/15	<b>Course name:</b> Nursing Care - clerkship in hospital
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 80s <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 4.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> UO/NC-GM1/17	
<b>Conditions for course completion:</b> 1. The Nursing Care – clerkship is completed after passing 2 weeks summer professional training at your hospital.	
<b>Learning outcomes:</b> Main aim of nursing care is to be able Student will be able to understand the main principals of functioning the nursing ward unite, the system of the work, the main principals of nursing clinical procedure. Student will be able to provide nursing clinical procedure in clinical practice in environment of hospital.	
<b>Brief outline of the course:</b> Functioning and system of the work nursing in the ward unite. Admission, transfer and discharge of patients, ward round, nursing clinical procedures - assessing vital signs, administration of medication, intradermal, parenteral medications (intradermal, subcutaneous, intramuscular, intravenous injection), administering a blood transfusion, administering a cleansing enema, catheterising the female and male urinary bladder.	
<b>Recommended literature:</b> 1. Šulla, I., Gajdoš, M., Výrostko, J. 2003 Nursing Care. 2..Shafout, R., Štefková, G. 2012 Nursing care - Clinical procedures II. 3. Štefková G., Zamboriová M. 2017. A small phrases book for nursing care. UPJŠ, Faculty of Medicine. Košice. p. 96 ISBN 978-80-8152-585-8. 4. Štefková G., Zamboriová M. Sováriová Soósova M. et al. Nursing Care Clinical procedure I. 2017. UPJŠ Medical faculty. Equilibria, s.r.o. p. 144. ISBN 97 8-80-8152-582-7.	
<b>Course language:</b> English	
<b>Notes:</b>	

<b>Course assessment</b>						
Total number of assessed students: 1655						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
91.6	0.0	0.0	0.0	0.06	0.0	8.34
<b>Provides:</b> doc. PhDr. Mária Zamboriová, PhD., mim. prof., PhDr. Mária Sováriová Soósová, PhD., PhDr. Gabriela Štefková, PhD.						
<b>Date of last modification:</b> 14.02.2019						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> UO/NC-GM1/17	<b>Course name:</b> Nursing Care 1
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 3.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b> Main aim of nursing care is introduce to the student general knowledge about nursing care ant help them to gain skills of nursing clinical procedure which they will use in there medical practice in hospital. Student will be able to understand the main principals of the health care system, infection control, health and safety, nutrition of the patient... He/she will know different types of binders and bandages an will be able to provide them in practice.	
<b>Brief outline of the course:</b> Assessing vital signs - pulse rate, respiratory rate, body temperature, blood pressure. Administration of medication. Administering parenteral medications - types of medications, types of syringes and needles, removing medication from a vial and an ampoule. Administering intradermal, subcutaneous, intramuscular, intravenous injection. Administering i. v. fluids and medications. Administering a blood transfusion. Administering a cleansing enema. Catheterising the female and male urinary bladder.	
<b>Recommended literature:</b> Šulla,I Gajdoš, M., Výrostko J., Zamboriová, M. et al. : Nursing care. UPJŠ Faculty of Medicine. Košice 2003. p. 112. ISBN 80-7097-517-2. Dingová, M., Lepiešová, M., Rosenberg, A. et al. : Basic of Nursing. Comenius University in Bratislava. Jessenius Faculty of Medicine in Martin. Martin 2011. p. 283. ISBN 978-80-88866-88-6. Shafout, R., Štefková, G.: Nursing Care Clinical Procedures II. UPJŠ Faculty of Medicine. Košice 2011, p.150.ISBN 978-80-7097-890-0 Dougherty, L., Lister, S. 2008. The Royal Marsden Hospital Manual of Clinical Nursing Procedures. Seventh Edition. Wiley-Blackwell, 2004. p. 1026. ISBN 978-1-4051-6999-8.	
<b>Course language:</b>	
<b>Notes:</b>	

<b>Course assessment</b>						
Total number of assessed students: 2010						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
58.36	15.97	8.71	5.57	3.73	6.42	1.24
<b>Provides:</b> doc. PhDr. Mária Zamboriová, PhD., mim. prof., PhDr. Gabriela Štefková, PhD., PhDr. Mária Sováriová Soósová, PhD., PhDr. Valéria Parová, PhD.						
<b>Date of last modification:</b> 07.04.2017						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> UO/NC-GM2/09		<b>Course name:</b> Nursing Care 2			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 4					
<b>Recommended semester/trimester of the course:</b> 4.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> UO/NC-GM1/17					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b> Main aim of nursing care is introduce to the student general knowledge about assessing vital signs, administration of medication., parenteral medications (intradermal, subcutaneous, intramuscular, intravenous injection), administering a blood transfusion, administering a cleansing enema, catheterising the female and male urinary bladder. Student will be able to understand the main principals of the named clinical procedures will be able to provide them in practice.					
<b>Brief outline of the course:</b> Introduction to nursing care. Introduction health care system in Slovakia. The medical staff and health care workers. Types of nursing care unit. Stay in hospital, adaptation to the hospital enviroment. Admission, transfer and discharge of patients. Infection control, health and safety - sterilisation and disinfection. Nutrition, introduction of dietology. Applying binders and bandages - purposes, assessment, planning, settings goals, preparation of equipment, technique in general.					
<b>Recommended literature:</b> 1.Šulla, I., Gajdoš, M., Výrostko, J. 2003 Nursing Care. 2.Shafout, R., Štefková, G. 2012 Nursing care - Clinical procedures II. 3. Štefková G., Zamboriová M. 2017. A small phrases book for nursing care. UPJŠ, Faculty of Medicine. Košice. p. 96 ISBN 978-80-8152-585-8. 4. Štefková G., Zamboriová M. Sováriová Soósova M. et al. Nursing Care Clinical procedure I. 2017. UPJŠ Medical faculty. Equilibria, s.r.o. p. 144. ISBN 97 8-80-8152-582-7.					
<b>Course language:</b> English					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 1732					
A	B	C	D	E	FX
9.53	20.61	34.53	23.79	10.62	0.92

**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:** 14.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> OK/OF-GM/13		<b>Course name:</b> Ophthalmology			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 10.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> UPF/PP-GM2/16 and IK/IM-GM3/17					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 659					
A	B	C	D	E	FX
78.15	13.66	4.1	1.21	2.43	0.46
<b>Provides:</b> MUDr. Míriama Skirková, MUDr. Jaroslav Kolesár, MPH, MUDr. Klaudia Dvorčáková					
<b>Date of last modification:</b> 04.03.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> KORLaF/ORL- GM/14		<b>Course name:</b> Otorhinolaryngology			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 9.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> NLK/NL-GM1/14 and ChK/S-GM3/17 and UFR/PM-GM1/14					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 765					
A	B	C	D	E	FX
24.44	18.17	21.83	19.87	15.16	0.52
<b>Provides:</b> prof. MUDr. Juraj Koval', CSc., MPH, MUDr. Michal Molčan, CSc., MUDr. Tímea Košťalová, MUDr. Andrej Koman					
<b>Date of last modification:</b> 03.05.2015					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> KDaD/ PE-SS-GM/17		<b>Course name:</b> Paediatrics			
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 11., 12..					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> KDaD/PE-GM3/16 and UFR/PM-GM2/17 and 1. KAIM/AIM-GM/16 and 1. PK/PT-GM2/18					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 564					
A	B	C	D	E	FX
18.09	17.73	23.58	17.38	20.04	3.19
<b>Provides:</b>					
<b>Date of last modification:</b>					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> KDaD/ PE-GM1/15		<b>Course name:</b> Paediatrics 1				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 3 <b>Per study period:</b> 28 / 42 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 3						
<b>Recommended semester/trimester of the course:</b> 9.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> UFR/PM-GM1/14						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b> 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.						
<b>Recommended literature:</b> Marcdante KJ, Kliegman RM, Jenson HB, et al.: Nelson Essentials of Pediatrics, Sixth Edition, Saunders Elsevier 2011, ISBN-13: 978-1-4377-0643-7, 831 pp. Roberton DM, South M: Practical Paediatrics, Sixth Edition, Churchill Livingstone Elsevier, 2007, ISBN: 978-0-443-10280-6, 861 pp.						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 864						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
47.45	13.08	12.15	12.73	7.41	6.48	0.69
<b>Provides:</b> doc. MUDr. Veronika Vargová, PhD., MUDr. Katarína Gombošová, PhD., MUDr. Juraj Hedvig, PhD., MUDr. Miroslava Petrášová, PhD., MUDr. Juliana Ferenczová, PhD., MUDr. Peter Krcho, PhD., MUDr. Gabriel Kol'vek, PhD., MUDr. Alžbeta Bánovčinová, PhD., MUDr. Marianna Fajdelová, MUDr. Simona Drobňaková, MUDr. Gabriela Gáborová, MUDr. Zuzana Hribíková, MUDr. Mária Písarčíková, PhD., MUDr. Petra Štefková						
<b>Date of last modification:</b> 22.02.2019						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> KDaD/ PE-GM2/12		<b>Course name:</b> Paediatrics 2				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 3						
<b>Recommended semester/trimester of the course:</b> 10.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> KDaD/PE-GM1/15						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b> 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 childhood, according to systems presented on lectures.						
<b>Brief outline of the course:</b> Kidney diseases – congenital anomalies, Urinary tract infections, renal syndromes, glomerulonephritis, inherited tubular disorders, electrolyte and acid-base disorders. Genetic syndromes, anemias, Disorders of coagulation and thrombocytes, 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.						
<b>Recommended literature:</b> Marcdante KJ, Kliegman RM, Jenson HB, et al.: Nelson Essentials of Pediatrics, Sixth Edition, Saunders Elsevier 2011, ISBN-13: 978-1-4377-0643-7, 831 pp. Roberton DM, South M: Practical Paediatrics, Sixth Edition, Churchill Livingstone Elsevier, 2007, ISBN: 978-0-443-10280-6, 861 pp.						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 665						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
60.15	13.08	18.35	5.71	0.9	1.65	0.15

**Provides:** doc. MUDr. Veronika Vargová, PhD., MUDr. Katarína Gombošová, 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. Gabriela Gáborová, MUDr. Zuzana Hribíková, Prof. Dr. László Lajos Barkai, MUDr. Petra Štefková

**Date of last modification:** 22.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> KDaD/ PE-GM3/16	<b>Course name:</b> Paediatrics 3
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 200s <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b> 11., 12..	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> KDaD/PE-GM2/12 and NLK/NL-GM2/14	
<b>Conditions for course completion:</b> practical exam state exam	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> Syllabus emphasizes the most important differential diagnosis in paediatrics: fever, abdominal pain, headache, dyspnoea, wheezing, lymphadenopathy, hepatomegaly, splenomegaly, edema, fail to thrive, growth failure, rash, hyperbilirubinemias, convulsions, heart rhythm disorders, renal syndromes, congenital malformations of CNS, shock, hypoglycemia, sepsis, coma. A very wide range of non-infectious and infectious diseases (e.g. acute and chronic kidney disease, including elimination).	
<b>Recommended literature:</b> Marcdante KJ, Kliegman RM, Jenson HB, et al.: Nelson Essentials of Pediatrics, Sixth Edition, Saunders Elsevier 2011, ISBN-13: 978-1-4377-0643-7, 831 pp. Robertson DM, South M: Practical Paediatrics, Sixth Edition, Churchill Livingstone Elsevier, 2007, ISBN: 978-0-443-10280-6, 861 pp.	
<b>Course language:</b>	
<b>Notes:</b>	

<b>Course assessment</b>						
Total number of assessed students: 594						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
50.0	38.72	7.58	2.36	0.84	0.34	0.17
<p><b>Provides:</b> doc. MUDr. Veronika Vargová, PhD., MUDr. Gabriel Kol'vek, PhD., MUDr. Katarína Gombošová, PhD., MUDr. Juraj Hedvig, PhD., MUDr. Miroslava Petrášová, PhD., MUDr. Juliana Ferenczová, PhD., MUDr. Peter Kreho, PhD., MUDr. Alžbeta Bánovčinová, PhD., MUDr. Marianna Fajdelová, MUDr. Simona Drobňaková, MUDr. Gabriela Gáborová, MUDr. Zuzana Hribíková, MUDr. Mária Pisarčíková, PhD., Prof. Dr. László Lajos Barkai, MUDr. Petra Štefková</p>						
<b>Date of last modification:</b> 11.04.2016						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> UP/PA-GM1/14		<b>Course name:</b> Pathological Anatomy 1				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice / Controlled study hour <b>Recommended course-load (hours):</b> <b>Per week:</b> 4 / 4 / 1 <b>Per study period:</b> 56 / 56 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 7						
<b>Recommended semester/trimester of the course:</b> 5.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> UA/A-GM1/14 and UA/A-GM2/14 and UHE/HE-GM2/17						
<b>Conditions for course completion:</b> Tests and Colloquium						
<b>Learning outcomes:</b> gain knowledge from the field of General pathology, mastery of histomorphology selected diagnoses, learn about with macroscopic autopsy diagnosis						
<b>Brief outline of the course:</b> 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, Lymphomas, Hypersensitivity reactions, Immunodeficiency diseases, Cardiovascular system.						
<b>Recommended literature:</b> Kumar V, Abbas AK, Fausto N, Robbins SL, Cotran RS: Robbins and Cotran pathologic basis of disease, 7th edition, Elsevier/Saunders, Philadelphia, 2005 Böör, A., Jurkovič, I., Benický, M. and Havierova, Z: Practical lessons in histopathology and methods in pathology, UPJŠ Košice, 2004						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 1334						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
53.75	0.15	1.65	6.75	14.69	19.27	3.75
<b>Provides:</b> MUDr. Erika Štammová, MUDr. Július Tatár, MUDr. Zuzana Benetinová, MUDr. Alžbeta Blichárová, MUDr. Ľudmila Verbóová, MUDr. Marian Benický						
<b>Date of last modification:</b> 25.02.2016						



**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> UP/PA-GM2/16		<b>Course name:</b> Pathological Anatomy 2			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice / Controlled study hour <b>Recommended course-load (hours):</b> <b>Per week:</b> 4 / 4 / 1 <b>Per study period:</b> 56 / 56 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 8					
<b>Recommended semester/trimester of the course:</b> 6.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> UP/PA-GM1/14 and UA/A-GM3/17					
<b>Conditions for course completion:</b> credit test, histomorphological colloquium final written and oral examination					
<b>Learning outcomes:</b> Gaining a proper knowledge in the field of special pathology, gross necropsy diagnostics and histomorphological diagnostics of chosen diagnoses.					
<b>Brief outline of the course:</b> Pathology of the Respiratory System, Pathology of haematopoetic system, Pathology of the gastrointestinal tract, 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					
<b>Recommended literature:</b> Kumar V, Abbas AK, Fausto N, Robbins SL, Cotran RS: Robbins and Cotran pathologic basis of disease, 7th edition, Elsevier/Saunders, Philadelphia, 2005 Böör, A., Jurkovič, I., Benický, M. and Havierova, Z: Practical lessons in histopathology and methods in pathology, UPJŠ Košice, 2004					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 1129					
A	B	C	D	E	FX
15.5	12.84	10.27	11.51	38.88	10.98
<b>Provides:</b> MUDr. Erika Štammová, MUDr. Zuzana Benetinová, MUDr. Alžbeta Blichárová, MUDr. Ľudmila Verbóová, MUDr. Július Tatár					
<b>Date of last modification:</b> 05.05.2016					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> UPF/ PP-GM1/16		<b>Course name:</b> Pathological Physiology 1				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 3 <b>Per study period:</b> 28 / 42 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 5						
<b>Recommended semester/trimester of the course:</b> 5.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> UFZ/Ph-GM2/14						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b> 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.						
<b>Brief outline of the course:</b> 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						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 1475						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
51.66	1.76	6.24	11.53	14.24	9.22	5.36

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

**Date of last modification:** 12.09.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> UPF/ PP-GM2/16		<b>Course name:</b> Pathological Physiology 2			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 3 / 3 <b>Per study period:</b> 42 / 42 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 6					
<b>Recommended semester/trimester of the course:</b> 6.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> UPF/PP-GM1/16 and ULCHBKB/MBCH-GM1/17					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 1259					
A	B	C	D	E	FX
6.51	10.41	16.2	22.16	25.18	19.54
<b>Provides:</b> 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					
<b>Date of last modification:</b> 07.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> UFR/ PM-GM1/14		<b>Course name:</b> Pharmacology 1				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 3 / 2 <b>Per study period:</b> 42 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 4						
<b>Recommended semester/trimester of the course:</b> 6.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> UFZ/Ph-GM2/14						
<b>Conditions for course completion:</b> Written tests Oral examination						
<b>Learning outcomes:</b> To provide students with a comprehensive introduction to the fundamental Pharmacology and uses of the major classes of drugs currently used in medical practice.						
<b>Brief outline of the course:</b> 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).						
<b>Recommended literature:</b> 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						
<b>Course language:</b> English						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 1969						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
41.8	31.28	9.55	11.17	2.03	3.15	1.02
<b>Provides:</b> prof. MUDr. Ladislav Mirossay, DrSc., prof. MVDr. Ján Mojžiš, DrSc., PharmDr. Marek Šarišský, PhD., MUDr. Martina Čižmáriková, PhD., doc. MVDr. Martina Bago Pilátová, PhD., MVDr. Martina Zigová, PhD., MUDr. Zuzana Solárová, PhD.						
<b>Date of last modification:</b> 03.05.2015						

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> UFR/ PM-GM2/17	<b>Course name:</b> Pharmacology 2
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 3 <b>Per study period:</b> 28 / 42 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b> 7.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> UFR/PM-GM1/14 and UPF/PP-GM1/16	
<b>Conditions for course completion:</b> test exam	
<b>Learning outcomes:</b> To provide students with a comprehensive introduction to the fundamental Pharmacology and uses of the major classes of drugs currently used in medical practice.	
<b>Brief outline of the course:</b> Special pharmacology including: -- drugs affecting cardiovascular system and blood (antianginal drugs, drugs used to treat heart failure, diuretics, antihypertensive drugs, antidysrhythmic 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	
<b>Recommended literature:</b> 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	
<b>Course language:</b> ENGLISH	
<b>Notes:</b>	



<b>Course assessment</b>					
Total number of assessed students: 1155					
A	B	C	D	E	FX
6.84	8.05	14.98	16.02	32.12	21.99
<b>Provides:</b> prof. MVDr. Ján Mojžiš, DrSc., prof. MUDr. Ladislav Mirossay, DrSc., MUDr. Martina Čižmáriková, PhD., MUDr. Zuzana Solárová, PhD., doc. MVDr. Martina Bago Pilátová, PhD., PharmDr. Marek Šarišský, PhD., MVDr. Martina Zigová, PhD.					
<b>Date of last modification:</b> 07.04.2017					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> KFaDF/ ZFL/17	<b>Course name:</b> Philosophical Aspects of the Medical Practice, Basic Philosophy for Doctor
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 <b>Per study period:</b> 14 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 1., 2., 3., 4., 5., 6., 7., 8., 9., 10..	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 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.	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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.	
<b>Course language:</b> English	
<b>Notes:</b>	

<b>Course assessment</b>	
Total number of assessed students: 14	
abs	n
100.0	0.0
<b>Provides:</b> PhDr. Kristína Bosáková, PhD.	
<b>Date of last modification:</b> 14.09.2017	
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> KFBLR/PRM- GM/16	<b>Course name:</b> Physical and Rehabilitation Medicine
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 6.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> UA/A-GM2/14	
<b>Conditions for course completion:</b> 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.	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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	
<b>Course language:</b>	
<b>Notes:</b>	

<b>Course assessment</b>					
Total number of assessed students: 976					
A	B	C	D	E	FX
92.21	6.45	0.51	0.1	0.1	0.61
<b>Provides:</b> doc. MUDr. Peter Takáč, PhD., mim. prof., MUDr. Anna Kubincová, PhD., doc. PhDr. Magdaléna Hagovská, PhD.					
<b>Date of last modification:</b> 07.03.2016					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> UFZ/ Ph-GM1/17		<b>Course name:</b> Physiology 1				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice / Controlled study hour <b>Recommended course-load (hours):</b> <b>Per week:</b> 3 / 4 / 1 <b>Per study period:</b> 42 / 56 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 6						
<b>Recommended semester/trimester of the course:</b> 3.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b> credit tests,						
<b>Learning outcomes:</b> obtained credits						
<b>Brief outline of the course:</b> Physiological principles. Homeostasis. Blood. Respiratory system. Cardiovascular system Excretory system. Digestive system.						
<b>Recommended literature:</b> 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						
<b>Course language:</b> english						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 2000						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
58.25	0.55	1.75	4.75	13.55	19.35	1.8
<b>Provides:</b> prof. MUDr. Viliam Donič, CSc., doc. MUDr. Mária Pallayová, PhD., doc. RNDr. Pavol Švorc, CSc., RNDr. Soňa Grešová, PhD., RNDr. Judita Štimmelová, PhD., MUDr. Andrea Brandeburová, MUDr. Martina Gáborová, MUDr. Igor Peregrim, PhD.						
<b>Date of last modification:</b> 05.04.2017						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> UFZ/ Ph-GM2/14		<b>Course name:</b> Physiology 2			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice / Controlled study hour <b>Recommended course-load (hours):</b> <b>Per week:</b> 3 / 4 / 1 <b>Per study period:</b> 42 / 56 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 8					
<b>Recommended semester/trimester of the course:</b> 4.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> UFZ/Ph-GM1/17					
<b>Conditions for course completion:</b> credit tests, practical exam, final written test, oral exam,					
<b>Learning outcomes:</b> exam					
<b>Brief outline of the course:</b> 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)					
<b>Recommended literature:</b> Guyton - Hall: Textbook of Medical Physiology Š.Kujaník: Practical lessons in Physiology. Part II. 1998					
<b>Course language:</b> English					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 1720					
A	B	C	D	E	FX
12.85	8.2	15.06	15.23	41.86	6.8
<b>Provides:</b> prof. MUDr. Viliam Donič, CSc., doc. MUDr. Mária Pallayová, PhD., doc. RNDr. Pavol Švorc, CSc., RNDr. Judita Štimmelová, PhD., RNDr. Soňa Grešová, PhD., MUDr. Andrea Brandeburová, MUDr. Martina Gáborová, MUDr. Igor Peregrim, PhD.					
<b>Date of last modification:</b> 18.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> CJP/ LFPAGM/16	<b>Course name:</b> Practical English Grammar for Medical Students
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 2., 4.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> KKF/LFMT/07	
<b>Conditions for course completion:</b> 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. 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.	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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.					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b>					
Total number of assessed students: 35					
A	B	C	D	E	FX
34.29	14.29	8.57	14.29	17.14	11.43
<b>Provides:</b> Mgr. Marianna Škultétyová					
<b>Date of last modification:</b> 08.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> CJP/ LFPSG/11	<b>Course name:</b> Practical Slovak Grammar
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 1 Per study period: 14</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 3., 5.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> Dek. LF UPJŠ/SL-GM1/09 and Dek. LF UPJŠ/SL-GM2/15	
<b>Conditions for course completion:</b> Students must actively participate in the class. Max. 2 absences. Continuous assessment is based on written tests (week 6 and 12), a minimum overall average of 60% is required. There is an opportunity to write a course test in a week 14 in case of a fail to reach the minimum of 60%. In the event of failure to attain the limit, the examination procedure is not permitted and the student is graded FX - failed at the end of teaching in the respective semester. Final assessment is based on one written exam. Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%	
<b>Learning outcomes:</b> Students with acquired skills of Slovak grammar are able to participate effectively in a variety of common situations of everyday communication including doctor - patient communication.	
<b>Brief outline of the course:</b> At the university. Medical specialties. In the hospital. At the doctor. Case history. Physical examination. Communication doctor – patient. Selected grammatical issues (selected morphological cases, verb tenses, prepositional phrases, imperative, conditional verb forms, active and passive voice, reflexive verbs with “sa/si“).	
<b>Recommended literature:</b> Kamenárová,R. a kol.: Krížom krážom - Slovenčina A1 + A2 - Cvičebnica, vydavateľstvo Studia Academica Slovaca, 2012 Kamenárová,R. a kol.: Krížom krážom - Slovenčina A2 (učebnica), vydavateľstvo Studia Academica Slovaca, 2012 Kamenárová,R. a kol.: Krížom krážom - Slovenčina B1(učebnica), vydavateľstvo Studia Academica Slovaca, 2011 Zebegneyová, A., Puzderová,A., Baková,B.: Slovenčina ako cudzí jazyk - A - Hovoríme spolu po slovensky, 2007 Petruňová, H.: How to Use Slovak in a Medical Environment. Basic Slovak for Medical Students. FF UPJŠ, Košice, 2018 Materiály vyučujúcej	

<b>Course language:</b> Slovak Language A2-B1					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 176					
A	B	C	D	E	FX
32.95	26.14	15.34	4.55	6.25	14.77
<b>Provides:</b> PhDr. Helena Petruňová, CSc., Mgr. Renáta Timková, PhD.					
<b>Date of last modification:</b> 22.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> CJP/ LFPE/11	<b>Course name:</b> Presentations in English
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 <b>Per study period:</b> 14 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 3., 5.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> KKF/LFMT/07	
<b>Conditions for course completion:</b> 1 test, oral presentations self-presentation, product/person presentation, conference presentation, case presentation) Active participation, max. 1 absence 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. 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% a menej.	
<b>Learning outcomes:</b> Development of professional vocabulary with focus on medical English and language of oral presentations in the academic and medical environment, enhancement of presentation skills.	
<b>Brief outline of the course:</b> Types of presentations Language of presentations Conference presentations Poster presentation Structure of presentations Presentation of data Case presentation Selected grammar (prepositional phrases, collocations, etc.)	
<b>Recommended literature:</b> 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	
<b>Course language:</b>	

B1-B2 level according to CERF					
<b>Notes:</b>					
<b>Course assessment</b>					
Total number of assessed students: 209					
A	B	C	D	E	FX
66.51	14.35	9.57	3.83	0.96	4.78
<b>Provides:</b> PhDr. Helena Petruňová, CSc., Mgr. Renáta Timková, PhD.					
<b>Date of last modification:</b> 08.02.2017					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> IK/PM-GM/09		<b>Course name:</b> Preventive Medicine				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 1						
<b>Recommended semester/trimester of the course:</b> 8.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> IK/IM-GM2/14						
<b>Conditions for course completion:</b> 1. Attendance confirmed in the student's book, possible two absences, more needs to compensate 2. Test, 30 questions, needs to achieve 60% 3. Appreciation of the knowledge during classes by the teacher						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b> Preventive medicine, definition, organization, education, public health. Preventive cardiology. Cancer – epidemiology, statistics, prevention. Nutrition, prevention of obesity, diabetes. Travel medicine. Infectious diseases. Probiotika. Physical exercise – how much is too much						
<b>Recommended literature:</b> 1. Dzurenková, D., Marček, T., Hájková, M.: Essentials of Sports Medicine. Bratislava: CU, 2000. 22pp. 2. Marček, T. et al.: 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 .						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 856						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
60.86	37.97	0.0	0.0	0.0	1.17	0.0
<b>Provides:</b> prof. MUDr. Pavol Jarčuška, PhD., prof. MUDr. Daniel Pella, PhD., MUDr. Ivan Majerčák, MUDr. Peter Horváth, MUDr. Božena Nováková, PhD., doc. MUDr. Želmíra Macejová, PhD., MPH, mim. prof., prof. MUDr. Jozef Pella, PhD., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, doc. MUDr. Ivana Valočiková, PhD., prof. MUDr. Peter Jarčuška, PhD., doc. MUDr. Viola						

Vargová, PhD., MUDr. Lýdia Pundová, CSc., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Eduard Veseliny, PhD., Mgr. MUDr. Štefan Tóth, MBA, PhD.

**Date of last modification:** 19.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> 1. PK/ PT-GM1/18	<b>Course name:</b> Psychiatry 1
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 8.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> 1. PK/PMC-GM/18 and UPF/PP-GM1/16 and UFR/PM-GM1/14	
<b>Conditions for course completion:</b> 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	
<b>Learning outcomes:</b> - 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	
<b>Brief outline of the course:</b> - 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	
<b>Recommended literature:</b> 1. Puri, Treasaden, Textbook of Psychiatry, 3rd edition, Churchill Livingstone, Elsevier, 2011 2. Pridmore S. Download of Psychiatry, Front matter. Last modified: October, 2015. <a href="http://eprints.utas.edu.au/287/">http://eprints.utas.edu.au/287/</a>	
<b>Course language:</b>	
<b>Notes:</b>	



<b>Course assessment</b>						
Total number of assessed students: 940						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
59.36	20.43	5.32	4.89	3.83	4.79	1.38
<b>Provides:</b> doc. MUDr. Ivan Dóci, PhD., MUDr. Dagmar Breznoščáková, Ph.D., Mgr. MUDr. Jozef Dragašek, PhD., MHA, MUDr. Jana Vančíková, PhD., MUDr. Aneta Bednářová, PhD.						
<b>Date of last modification:</b> 26.02.2019						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> 1. PK/ PT-GM2/18	<b>Course name:</b> Psychiatry 2
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 9.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> 1. PK/PT-GM1/18	
<b>Conditions for course completion:</b> 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.	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> <ul style="list-style-type: none"> <li>- schizophrenia and schizophrenia - like disorders</li> <li>- mood disorders</li> <li>- organic and symptomatic mental disorders, cognitive disorders</li> <li>- reactive (stress-related) mental disorders, anxiety, obsessive - compulsive, somatoform and dissociative disorders,...</li> <li>- alcoholism and other substance use disorders</li> <li>- mental disorders of childhood and adolescence</li> <li>- geriatric psychiatry</li> <li>- personality disorders</li> <li>- psychiatric sexuology</li> <li>- emergency psychiatry, first aid in psychiatry</li> <li>- biological treatment in psychiatry</li> <li>- psychopharmacology</li> <li>- psychotherapy, psychoeducation, rehabilitation in psychiatry</li> <li>- social psychiatry</li> <li>- legal and ethical principles in psychiatry</li> </ul>	
<b>Recommended literature:</b>	

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: 862

A	B	C	D	E	FX
80.39	13.23	3.83	1.51	0.81	0.23

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

**Date of last modification:** 18.09.2018

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> 1. PK/ PMC-GM/18	<b>Course name:</b> Psychology and Medical Communication
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 6.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> ULBL/B-GM2/12 and UFZ/Ph-GM1/17	
<b>Conditions for course completion:</b> 1. At least 90% active participation is obligatory on the practical lessons. The most 3 practical lessons are allowed to compensate when legitimate absences occurred during the semester. 2 Evaluation: active participation in practicals; permanent study check (control questions); Successful completion of the written test - minimum 60% .	
<b>Learning outcomes:</b> 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 management. 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-patient's relative).	
<b>Brief outline of the course:</b> <ul style="list-style-type: none"> <li>• Psychology as a profession, theoretical and application disciplines, clinical psychologist as a member of the diagnostic and therapeutic team</li> <li>• Problem of personality, main theories of personality, and main models of psychopathology. The problem of normality</li> <li>• Psychodiagnostics – basic methods used in clinical practice, their indication and practical contribution in the process of treatment</li> <li>• Psychotherapy – main theories and schools. Basic methods of psychotherapy. Indications of psychotherapy considering the specific disorder.</li> <li>• Bio-psycho-social model of illness and health, psychosomatic disorders, behavioral medicine, psychohygiene.</li> <li>• Verbal and nonverbal communication, principles of effective communication. Management of difficult situations in medical practice.</li> </ul>	
<b>Recommended literature:</b>	

M.W. Eysenck: Fundamentals of psychology, Psychology press, 2009					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b>					
Total number of assessed students: 1385					
A	B	C	D	E	FX
30.83	29.24	19.13	11.48	8.45	0.87
<b>Provides:</b> PhDr. Martina Chylová, PhD., PhDr. Milana Kovaničová, CSc., Mgr. Lívía Peštová					
<b>Date of last modification:</b> 26.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> 1. PK/ PTR-GM/09		<b>Course name:</b> Psychotherapy			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 9.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> 1. PK/PMC-GM/18 and UFZ/Ph-GM2/14					
<b>Conditions for course completion:</b> 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					
<b>Learning outcomes:</b> 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.					
<b>Brief outline of the course:</b> <ul style="list-style-type: none"> <li>• Psychotherapy as profession, its history and development</li> <li>• Psychotherapeutic methods – interview, dialog, training</li> <li>• Indications of pschotherapy ( psychiatry, other medical settings)</li> <li>• Relaxation and hypnosis</li> <li>• Psychological transfer in medicine</li> </ul>					
<b>Recommended literature:</b> M. W. Eysenck: Fundamentals of psychology, Psychology Press, 2009					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 215					
A	B	C	D	E	FX
85.58	13.95	0.47	0.0	0.0	0.0
<b>Provides:</b> MUDr. Dagmar Breznoščáková, Ph.D., Mgr. MUDr. Jozef Dragašek, PhD., MHA, PhDr. Milana Kovaničová, CSc., PhDr. Martina Chylová, PhD.					
<b>Date of last modification:</b> 19.09.2017					

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> KRNM/ R-GM/14		<b>Course name:</b> Radiodiagnostic			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 8.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b> Written test.					
<b>Learning outcomes:</b> 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.					
<b>Brief outline of the course:</b> <ul style="list-style-type: none"> <li>- Fundamentals of physics and biophysics.</li> <li>- Ionizing radiation.</li> <li>- Diagnostic modalities.</li> <li>- Using imaging methods to display individual organs.</li> <li>- Imaging modalities of the bones, nervous system, chest, abdominal organs, vascular system.</li> <li>- Intervention methods.</li> </ul>					
<b>Recommended literature:</b> Muchová, T., Rádiológia pre medikov. Košice: UPJŠ 2017					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 993					
A	B	C	D	E	FX
50.45	15.81	13.7	10.57	8.66	0.81
<b>Provides:</b> MUDr. Tatiana Špakovská, PhD., MUDr. Nora Lešková, MUDr. Katarína Kriegerová, PhD., MUDr. Piotr Pedowski, MUDr. Maroš Rudnay					
<b>Date of last modification:</b> 21.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> KRO/ RCO-GM1/14		<b>Course name:</b> Radiotherapy and Clinical Oncology 1				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 1						
<b>Recommended semester/trimester of the course:</b> 9.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> KRNM/R-GM/14 and KNM/NM-GM/14						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 842						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
47.74	51.19	0.36	0.59	0.0	0.12	0.0
<b>Provides:</b> MUDr. Igor Andrašina, CSc., MUDr. Valér Kováč, PhD.						
<b>Date of last modification:</b>						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> KRO/ RCO- GM2/14		<b>Course name:</b> Radiotherapy and Clinical Oncology 2			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 10.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> KRO/RCO-GM1/14					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 655					
A	B	C	D	E	FX
39.39	24.73	20.92	12.06	2.75	0.15
<b>Provides:</b> MUDr. Valér Kováč, PhD., MUDr. Igor Andrašina, CSc.					
<b>Date of last modification:</b>					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> Dek. LF UPJŠ/SDT-GM1/17		<b>Course name:</b> Seminar of Diploma Thesis 1				
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 30s <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 1						
<b>Recommended semester/trimester of the course:</b> 7.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 1097						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
97.81	0.0	0.0	0.0	0.0	0.0	2.19
<b>Provides:</b> Mgr. Iveta Rajničová Nagyová, PhD., Mgr. Pavol Mikula, PhD., Mgr. Alexandra Husivargová, Mgr. Vladimíra Timková						
<b>Date of last modification:</b>						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> Dek. LF UPJŠ/SDT-GM2/12		<b>Course name:</b> Seminar of Diploma Thesis 2				
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 30s <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 8.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 864						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
98.03	1.39	0.12	0.12	0.0	0.0	0.35
<b>Provides:</b>						
<b>Date of last modification:</b>						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> Dek. LF UPJŠ/SDT-GM3/12		<b>Course name:</b> Seminar of Diploma Thesis 3				
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 50s <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 9.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 818						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
97.8	1.22	0.37	0.0	0.0	0.0	0.61
<b>Provides:</b> doc. MUDr. Ján Lepej, CSc., MUDr. Marek Pytliak, PhD.						
<b>Date of last modification:</b>						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> Dek. LF UPJŠ/SDT-GM4/12		<b>Course name:</b> Seminar of Diploma Thesis 4				
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 50s <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 10.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 642						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
97.2	1.87	0.0	0.0	0.0	0.0	0.93
<b>Provides:</b> doc. MUDr. Ján Lepej, CSc.						
<b>Date of last modification:</b>						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/SL-GM1/09	<b>Course name:</b> Slovak Language 1
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 4 <b>Per study period:</b> 0 / 56 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Students must actively participate in the class. Max. 4 absences. 2 tests (6th/7th week and 12th/13th week). A minimum score of 60% for each test is required. There are no retakes during the semester. If students achieve less than 60%, students have only one opportunity to retake the test(s) they have failed during the last week (week 14, a minimum score of 60% percent is required). The final evaluation is based on tests results. Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%	
<b>Learning outcomes:</b> Students achieve basic language skills with the focus on the communication in selected general and medical topics - language level A1.1.	
<b>Brief outline of the course:</b> Human Body. At the Hospital. Health Care Professionals. Doctor - Patient Communication. My Family. In the Town. Living. Medical Faculty, Dormitory, Accommodation. Numerals (0 – 100). Days of the Week. Personal Pronouns. Nouns – Grammatical Gender. Verbs - Conjugation in Present Tense.	
<b>Recommended literature:</b> Kamenárová, R. a kol.: Krížom-krážom. Slovenčina A1. Bratislava: Univerzita Komenského 2007 (+CD). Kamenárová, R. a kol.: Krížom-krážom. Slovenčina A2. Bratislava: Univerzita Komenského 2009(+CD). Ivoríková, H. a kol.: Krížom-krážom. Slovenčina A1+A2. Cvičebnica. Bratislava: Univerzita Komenského 2009. Petruňová, H.: Slovenčina pre medikov. Košice: Univerzita P.J. Šafárika v Košiciach 2001. Sedláková, M. a kol.: Slovenčina pre cudzincov. Pracovné listy. Košice: UPJŠ 2013.	

<b>Course language:</b> English B1						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 2455						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
57.52	6.23	7.58	7.29	7.74	9.53	4.11
<b>Provides:</b> Oksana Humenna, CSc., PhDr. Lucia Tóthová, PaedDr. Lívia Barnišinová, PhDr. Beáta Jurečková, PhD., Ing. Mgr. Ingrid Madárová, PhD., Mgr. Veronika Pálová						
<b>Date of last modification:</b> 27.02.2019						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/SL-GM2/15	<b>Course name:</b> Slovak Language 2
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 4 <b>Per study period:</b> 0 / 56 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> Dek. LF UPJŠ/SL-GM1/09	
<b>Conditions for course completion:</b> Active participation. Max. 2 absences. 2 tests. 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 each 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%) and tests (50%). Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%	
<b>Learning outcomes:</b> Students are able to communicate with patients, ask questions, give advice, etc. Students use basic communication skills in Slovak for shopping, everyday life in the city, etc. Language level A1.1 - A1.2	
<b>Brief outline of the course:</b> Medical Topics: Common Diseases. Symptoms and Signs. Basic Medical Examinations. Doctor - Patient Communication. In the Hospital. General Topics: Food. Shopping. Slovak Traditions. In the Restaurant. Healthy Food. Grammar: Irregular Verbs. The Accusative Case Sg. and Pl. Modal Verbs. The Instrumental Case Sg. and Pl. Verbs. Past Tense. Adverb of places	
<b>Recommended literature:</b> Kamenárová, R. a kol.: Krížom – krážom. Slovenčina A1. Bratislava: UK 2007. (+CD) Kamenárová, R. a kol.: Krížom-krážom. Slovenčina A2. Bratislava: Univerzita Komenského 2009 (+CD). Kamenárová, R. a kol.: Krížom – krážom. Slovenčina A1 - A2. Cvičebnica. Bratislava: UK 2007. Sedláková, M. a kol.: Slovenčina pre cudzincov. Pracovné listy. Košice: UPJŠ 2013. Petruňová, H.: How to Use Slovak in a Medical Environment. Basic Slovak for Medical Students. Košice: FF UPJŠ 2018. Materials prepared by teachers <a href="https://slovakie.eu">https://slovakie.eu</a> <a href="http://slovníky.juls.savba.sk">http://slovníky.juls.savba.sk</a> <a href="http://slovníky.korpus.sk">http://slovníky.korpus.sk</a>	

http://www.e-slovak.sk					
<b>Course language:</b> English level B2 / Slovak level A1.1					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 2132					
A	B	C	D	E	FX
22.8	17.31	18.95	16.37	19.61	4.97
<b>Provides:</b> Oksana Humenna, CSc., PhDr. Lucia Tóthová, PaedDr. Lívia Barnišinová, PhDr. Beáta Jurečková, PhD., Ing. Mgr. Ingrid Madárová, PhD., Mgr. Veronika Pálová					
<b>Date of last modification:</b> 03.03.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/SL-GM3/15	<b>Course name:</b> Slovak Language 3
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 2 <b>Per study period:</b> 0 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 1	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> Dek. LF UPJŠ/SL-GM2/15	
<b>Conditions for course completion:</b> Students must actively participate in the class. Max. 4 absences. 2 tests (6th/7th week and 12th/13th week). A minimum score of 60% for each test is required. There are no retakes during the semester. If students achieve less than 60%, students have only one opportunity to retake the test(s) they have failed during the last week (week 14, a minimum score of 60% percent is required). The final evaluation is based on tests results. Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60% FX 59-0%	
<b>Learning outcomes:</b> Students are able to communicate with patients, ask questions; give advice or instructions - language level A1.2	
<b>Brief outline of the course:</b> Medical Slovak. Common Diseases. Signs and Symptoms. In the hospital, At the doctor's. Taking a history. Family History.	
<b>Recommended literature:</b> Kamenárová, R. a kol.: Krížom – krážom. Slovenčina A1. Bratislava: UK 2007. Kamenárová, R. a kol.: Krížom – krážom. Slovenčina A2. Bratislava: UK 2007. Kamenárová, R. a kol.: Krížom – krážom. Slovenčina A1 - A2. Cvičebnica. Bratislava: UK 2007. Petruňová, H.: How to Use Slovak in a Medical Environment. Basic Slovak for Medical Students. Košice: FF UPJŠ 2018. Petruňová, H.: Slovenčina pre medikov. Košice: UPJŠ 2001. Sedláková, M. a kol.: Slovenčina pre cudzincov. Pracovné listy. Košice: UPJŠ 2013. Materiály pripravené vyučujúcimi v printovej a elektronickej forme. <a href="https://slova.e.u">https://slova.e.u</a> <a href="http://slovníky.juls.savba.sk/">http://slovníky.juls.savba.sk/</a>	
<b>Course language:</b> English B1, slovak A1.1- A1.2	
<b>Notes:</b>	

<b>Course assessment</b>						
Total number of assessed students: 1879						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
54.44	3.99	6.33	8.04	9.69	11.18	6.33
<b>Provides:</b> Oksana Humenna, CSc., PaedDr. Lívia Barnišinová, PhDr. Beáta Jurečková, PhD., Ing. Mgr. Ingrid Madárová, PhD., Mgr. Veronika Pálová, PhDr. Lucia Tóthová, Mgr. Silvia Oravcová						
<b>Date of last modification:</b> 27.02.2019						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/SL-GM4/15	<b>Course name:</b> Slovak Language 4
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 2 <b>Per study period:</b> 0 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 1	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> Dek. LF UPJŠ/SL-GM3/15	
<b>Conditions for course completion:</b> Active participation. Max. 2 absences. 2 tests. 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 each 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%) and tests (50%). Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%	
<b>Learning outcomes:</b> Students are able to communicate with patients (basic level) at the selected hospital departments/clinics. Language level A2.1	
<b>Brief outline of the course:</b> Health Problems. Past Medical History. Present Illness. Case History. Drug and Social History. History Taking in Paediatrics. History Taking in Gynaecology and Obstetrics.	
<b>Recommended literature:</b> Kamenárová, R. a kol.: Krížom – krážom. Slovenčina A1. Bratislava: UK 2007. Kamenárová, R. a kol.: Krížom – krážom. Slovenčina A2. Bratislava: UK 2007. Kamenárová, R. a kol.: Krížom – krážom. Slovenčina A1 - A2. Cvičebnica. Bratislava: UK 2007. Petruňová, H.: How to Use Slovak in a Medical Environment. Basic Slovak for Medical Students. Košice: FF UPJŠ 2018. Petruňová, H.: Slovenčina pre medikov. Košice: UPJŠ 2001. Sedláková, M. a kol.: Slovenčina pre cudzincov. Pracovné listy. Košice: UPJŠ 2013. Materials prepared by teachers <a href="https://slovae.eu">https://slovae.eu</a> <a href="http://slovniky.juls.savba.sk">http://slovniky.juls.savba.sk</a> <a href="http://slovniky.korpus.sk">http://slovniky.korpus.sk</a> <a href="http://www.e-slovak.sk">http://www.e-slovak.sk</a>	
<b>Course language:</b>	

English level B2/ Slovak level A1.2					
<b>Notes:</b>					
<b>Course assessment</b>					
Total number of assessed students: 1465					
A	B	C	D	E	FX
24.44	18.84	19.39	16.52	16.52	4.3
<b>Provides:</b> PaedDr. Lívia Barnišinová, Oksana Humenna, CSc., PhDr. Beáta Jurečková, PhD., Ing. Mgr. Ingrid Madárová, PhD., Mgr. Veronika Pálová, PhDr. Lucia Tóthová					
<b>Date of last modification:</b> 03.03.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> CJP/ LFSM/16		<b>Course name:</b> Slovenčina v medicíne			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 4., 6.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> Dek. LF UPJŠ/SL-DM2/15 or Dek. LF UPJŠ/SL-GM2/15					
<b>Conditions for course completion:</b> Students must actively participate in the class. Max. 2 absences (2x 45 min.). Continuous assessment is based on 2 written tests (week 6/7 and 12/13), a minimum overall average of 60% is required. Students with a final overall average lower than 60 percent are given an opportunity to take a test in the last week (Week 14) of the semester. The test result must be at least 60 percent. 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. Final assessment - semester tests 50% and exam test 50%. Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%					
<b>Learning outcomes:</b> After completing the course, students are able to communicate with patients in various departments in the hospital (internal medicine, surgery, paediatrics, gynaecology and obstetrics). They can take a history using specific questions and giving specific instructions to the patients, depending on the department/clinic.					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b> Petruňová, H.: How to Use Slovak in a Medical Environment. Basic Slovak for Medical Students. FF UPJŠ, Košice, 2018. Materiály vyučujúcej					
<b>Course language:</b> Slovak language A2					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b> PhDr. Helena Petruňová, CSc.					
<b>Date of last modification:</b> 22.02.2019					

**Approved:** prof. MUDr. Daniel Pella, PhD.



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> USBM/ SM-GM/14		<b>Course name:</b> Social Medicine			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 7.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 1677					
A	B	C	D	E	FX
21.41	29.93	26.89	13.89	5.9	1.97
<b>Provides:</b> MUDr. Zuzana Katreniaková, PhD., Mgr. Pavol Mikula, PhD., Mgr. Iveta Rajničová Nagyová, PhD., Mgr. Vladimíra Timková, Mgr. Alexandra Husivargová					
<b>Date of last modification:</b> 14.09.2015					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> USBM/ SM-GM/14		<b>Course name:</b> Social Medicine			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 1677					
A	B	C	D	E	FX
21.41	29.93	26.89	13.89	5.9	1.97
<b>Provides:</b> Mgr. Iveta Rajničová Nagyová, PhD., Mgr. Pavol Mikula, PhD., Mgr. Vladimíra Timková, MUDr. Zuzana Katreniaková, PhD., Mgr. Alexandra Husivargová					
<b>Date of last modification:</b> 14.09.2015					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice							
<b>Faculty:</b> Faculty of Medicine							
<b>Course ID:</b> ÚTVŠ/ TVa/11		<b>Course name:</b> Sports Activities I.					
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present							
<b>Number of ECTS credits:</b> 2							
<b>Recommended semester/trimester of the course:</b> 1.							
<b>Course level:</b> I., I.II., II.							
<b>Prerequisites:</b>							
<b>Conditions for course completion:</b>							
<b>Learning outcomes:</b>							
<b>Brief outline of the course:</b>							
<b>Recommended literature:</b>							
<b>Course language:</b>							
<b>Notes:</b>							
<b>Course assessment</b> Total number of assessed students: 11672							
abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
88.4	0.01	0.0	0.0	0.0	0.03	7.6	3.97
<b>Provides:</b> Mgr. Peter Bakalár, PhD., Mgr. Dana Dračková, PhD., Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., Mgr. Marek Valanský, prof. RNDr. Stanislav Vokál, DrSc., Mgr. Marcel Čurgali, Ing. Iveta Címboláková, PhD.							
<b>Date of last modification:</b> 03.05.2015							
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.							

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice							
<b>Faculty:</b> Faculty of Medicine							
<b>Course ID:</b> ÚTVŠ/ TVb/11		<b>Course name:</b> Sports Activities II.					
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present							
<b>Number of ECTS credits:</b> 2							
<b>Recommended semester/trimester of the course:</b> 2.							
<b>Course level:</b> I., I.II., II.							
<b>Prerequisites:</b>							
<b>Conditions for course completion:</b>							
<b>Learning outcomes:</b>							
<b>Brief outline of the course:</b>							
<b>Recommended literature:</b>							
<b>Course language:</b>							
<b>Notes:</b>							
<b>Course assessment</b> Total number of assessed students: 9891							
abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
85.26	0.62	0.02	0.0	0.0	0.03	10.24	3.83
<b>Provides:</b> Mgr. Peter Bakalár, PhD., Mgr. Dana Dračková, PhD., Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., Mgr. Marek Valanský, prof. RNDr. Stanislav Vokál, DrSc., Mgr. Marcel Čurgali, Ing. Iveta Címboláková, PhD.							
<b>Date of last modification:</b> 03.05.2015							
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.							

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice							
<b>Faculty:</b> Faculty of Medicine							
<b>Course ID:</b> ÚTVŠ/ TVc/11		<b>Course name:</b> Sports Activities III.					
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present							
<b>Number of ECTS credits:</b> 2							
<b>Recommended semester/trimester of the course:</b> 3., 5., 7., 9.							
<b>Course level:</b> I., I.II., II.							
<b>Prerequisites:</b>							
<b>Conditions for course completion:</b>							
<b>Learning outcomes:</b>							
<b>Brief outline of the course:</b>							
<b>Recommended literature:</b>							
<b>Course language:</b>							
<b>Notes:</b>							
<b>Course assessment</b> Total number of assessed students: 6911							
abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
89.81	0.04	0.0	0.0	0.0	0.03	4.23	5.89
<b>Provides:</b> Mgr. Marcel Čurgali, Mgr. Peter Bakalár, PhD., Mgr. Dana Dračková, PhD., Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., Mgr. Marek Valanský, prof. RNDr. Stanislav Vokál, DrSc., Ing. Iveta Cimboláková, PhD.							
<b>Date of last modification:</b> 03.05.2015							
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.							

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice							
<b>Faculty:</b> Faculty of Medicine							
<b>Course ID:</b> ÚTVŠ/ TVd/11		<b>Course name:</b> Sports Activities IV.					
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present							
<b>Number of ECTS credits:</b> 2							
<b>Recommended semester/trimester of the course:</b> 4., 6., 8., 10.							
<b>Course level:</b> I., I.II., II.							
<b>Prerequisites:</b>							
<b>Conditions for course completion:</b>							
<b>Learning outcomes:</b>							
<b>Brief outline of the course:</b>							
<b>Recommended literature:</b>							
<b>Course language:</b>							
<b>Notes:</b>							
<b>Course assessment</b> Total number of assessed students: 4654							
abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
85.71	0.32	0.04	0.0	0.0	0.0	6.57	7.35
<b>Provides:</b> Mgr. Marcel Čurgali, Mgr. Peter Bakalár, PhD., Mgr. Dana Dračková, PhD., Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., Mgr. Marek Valanský, prof. RNDr. Stanislav Vokál, DrSc., Ing. Iveta Cimboláková, PhD.							
<b>Date of last modification:</b> 03.05.2015							
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.							

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> 1. IK/ SM-GM/16		<b>Course name:</b> Sports Medicine				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 1						
<b>Recommended semester/trimester of the course:</b> 7.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> IK/IM-GM1/16						
<b>Conditions for course completion:</b> 1. Attendance confirmed in the student's book, possible two absences, more needs to compensate 2. Test, 30 questions, needs to achieve 60% 3. Appreciation of the knowledge during classes by the teacher						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b> 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						
<b>Recommended literature:</b> 1. Dzurenková, D., Marček, T., Hájková, M.: Essentials of Sports Medicine. Bratislava: CU, 2000. 22 pp. 2. Marček, T. et al.: 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.						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 1069						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
53.88	44.53	0.09	0.0	0.0	1.5	0.0
<b>Provides:</b> prof. MUDr. Daniel Pella, PhD., MUDr. Peter Horváth						
<b>Date of last modification:</b> 30.09.2016						

**Approved:** prof. MUDr. Daniel Pella, PhD.



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> Dek. LF UPJŠ/SSW/09		<b>Course name:</b> Student Science Work - Presentation at SSC				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 2 <b>Per study period:</b> 0 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 4						
<b>Recommended semester/trimester of the course:</b> 3., 4., 5., 6., 7., 8., 9., 10..						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b>						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 32						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
96.88	3.13	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b>						
<b>Date of last modification:</b>						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> 1. ChK/ S-SS-GM/18		<b>Course name:</b> Surgery			
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 11., 12..					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> ChK/S-GM6/18 and ChK/CS-GM/18 and UFR/PM-GM2/17 and USL/FMML-GM/16 and OK/OF-GM/13 and KORLaF/ORL-GM/14 and 1. KAIM/AIM-GM/16					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 565					
A	B	C	D	E	FX
34.34	19.47	17.7	11.86	11.86	4.78
<b>Provides:</b>					
<b>Date of last modification:</b>					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> ChK/ SP-GM/15	<b>Course name:</b> Surgery - Propedeutics
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b> 5.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> UHE/HE-GM2/17 and UA/A-GM2/14	
<b>Conditions for course completion:</b> 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	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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., Kaňuchová 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	
<b>Course language:</b>	
<b>Notes:</b>	

<b>Course assessment</b>					
Total number of assessed students: 1316					
A	B	C	D	E	FX
49.24	22.26	13.22	6.61	7.9	0.76
<p><b>Provides:</b> 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, MUDr. Izabela Bosznayová, MUDr. Tomáš Gajdzik, PhD., 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., MUDr. Martina Zavacká, PhD., MUDr. Martina Vidová Ugurbas, PhD., MPH, MUDr. Ivan Kováč, PhD., MUDr. Peter Berek, PhD., MUDr. Adrián Kolesár, PhD., MPH, MUDr. Martin Ledecký, MUDr. Lucia Mistríková, MUDr. Štefánia Mižáková, doc. MUDr. František Sabol, PhD., MPH, MBA, MUDr. Tomáš Toporcer, PhD.</p>					
<b>Date of last modification:</b> 11.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> ChK/S-GM1/16		<b>Course name:</b> Surgery 1				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 3						
<b>Recommended semester/trimester of the course:</b> 6.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> ChK/SP-GM/15						
<b>Conditions for course completion:</b> 1. 100% attendance confirmed in the student's book, possible two absences needed to be compensated 2. Attendance 75% at lectures 3. Credit test						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 1174						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
65.59	22.32	6.73	1.7	1.62	1.96	0.09
<b>Provides:</b> 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, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbulák, 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. Teodor Kluka, PhD., MUDr. Martina Vidová Ugurbas, PhD., MPH, MUDr. Tomáš Gajdzik, PhD., doc. MUDr. Marek Šoltés, PhD., MUDr. Ivan Kováč, PhD., MUDr. Peter Berek, PhD., MUDr. Mária Kubíková, PhD., MUDr. Vladimír Sihotský, PhD., MUDr. Pavel Staško, PhD., MUDr. Peter Štefanič, PhD., MUDr. Martina Zavacká, PhD., MUDr. Lucia Sukovská Lakyová, PhD., MUDr. Jozef Brezina, MUDr. Adrián						

Kolesár, PhD., MPH, MUDr. Lucia Mistríková, doc. MUDr. František Sabol, PhD., MPH, MBA,  
MUDr. Tomáš Toporcer, PhD.

**Date of last modification:** 12.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> ChK/S-GM2/09		<b>Course name:</b> Surgery 2				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 3						
<b>Recommended semester/trimester of the course:</b> 7.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> ChK/S-GM1/16 and UP/PA-GM1/14						
<b>Conditions for course completion:</b> 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.						
<b>Learning outcomes:</b> 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.						
<b>Brief outline of the course:</b> 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.						
<b>Recommended literature:</b> 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						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 1030						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
51.07	21.17	13.59	6.41	4.47	3.2	0.1

**Provides:** MUDr. Lucia Sukovská Lakyová, PhD., prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, prof. MUDr. Jana Kat'uchová, PhD. MBA, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbul'ák, 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., MUDr. Tomáš Hildebrand, PhD., MUDr. Róbert Kilík, PhD., doc. MUDr. Marek Šoltés, PhD., MUDr. Ivan Kováč, PhD., MUDr. Mária Kubíková, PhD., MUDr. Vladimír Sihotský, PhD., MUDr. Peter Pažinka, PhD., MPH, MUDr. Pavel Staško, PhD., MUDr. Teodor Kluka, PhD., MUDr. Martina Vidová Ugurbas, PhD., MPH, MUDr. Adrián Kolesár, PhD., MPH, MUDr. Martin Ledecký, MUDr. Lucia Mistríková, doc. MUDr. František Sabol, PhD., MPH, MBA, MUDr. Tomáš Toporcer, PhD., MUDr. Katarína Buzová, MUDr. Jozef Brezina

**Date of last modification:** 11.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> ChK/S-GM3/17	<b>Course name:</b> Surgery 3
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b> 8.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> ChK/S-GM2/09	
<b>Conditions for course completion:</b> 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. Test exam	
<b>Learning outcomes:</b> Surgery of the small intestine, mesentery and the retroperitoneal 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	
<b>Brief outline of the course:</b> 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 abscesses. Tumours of the anus and rectum, surgical treatment.	
<b>Recommended literature:</b> 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., Kačuchová 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	
<b>Course language:</b>	

<b>Notes:</b>					
<b>Course assessment</b>					
Total number of assessed students: 445					
A	B	C	D	E	FX
44.72	27.87	14.61	6.29	6.52	0.0
<p><b>Provides:</b> prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Miroslav Kitka, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, prof. MUDr. Jana Kat'uchová, 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. Teodor Kluka, PhD., MUDr. Martina Vidová Ugurbas, PhD., MPH, doc. MUDr. Marek Šoltés, PhD., MUDr. Tomáš Gajdzik, PhD., MUDr. Ivan Kováč, PhD., MUDr. Lucia Sukovská Lakyová, PhD., MUDr. Jozef Brezina, MUDr. Katarína Buzová</p>					
<b>Date of last modification:</b> 11.02.2019					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> ChK/S-GM4/18	<b>Course name:</b> Surgery 4 (Neurosurgery, Orthopedics)
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 9.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> ChK/S-GM3/17	
<b>Conditions for course completion:</b> solution of the problems, test	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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. Textbook 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. Orthopedics. Mosby 2002, 2006 p. ISBN 0-323-01318-X.						
<b>Course language:</b> English, Slovak						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 805						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
47.95	50.56	0.62	0.25	0.12	0.37	0.12
<b>Provides:</b> 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, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbulák, 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. Teodor Kluka, PhD., MUDr. Martina Vidová Ugurbas, PhD., MPH, MUDr. Ivan Kováč, PhD.						
<b>Date of last modification:</b> 16.03.2018						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> ChK/S-GM5/18	<b>Course name:</b> Surgery 5 (Trauma Surgery, Urology)
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 10.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> ChK/S-GM3/17	
<b>Conditions for course completion:</b> solution of the problems, test	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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: 640

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
58.91	19.38	7.03	4.84	7.81	1.72	0.31

**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 Kaľuchová, PhD. MBA, MUDr. Ľubomír Lachváč, PhD., MUDr. Marek Vargovčák, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbulák, 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. Marianna Zábavníková, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Štefan Ivanecký

**Date of last modification:** 16.03.2018

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> ChK/S-GM6/18		<b>Course name:</b> Surgery 6				
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 280s <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 12						
<b>Recommended semester/trimester of the course:</b> 11., 12..						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b> ChK/S-GM5/18 and ChK/S-GM4/18 and KRO/RCO- GM2/14						
<b>Conditions for course completion:</b> - 100% participation - Pass a test on the last day of classes - In case of your rotation abroad, you are obliged to complete the final test in Surgery 6 on the last day of the rotation at the Department of Vascular Surgery VUSCH with a confirmation of completion of your rotation abroad - Practical exam - Pass the state examination						
<b>Learning outcomes:</b>						
<b>Brief outline of the course:</b>						
<b>Recommended literature:</b>						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 559						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
51.34	32.2	12.7	2.5	1.07	0.18	0.0
<b>Provides:</b> prof. MUDr. Mária Frankovičová, PhD., MUDr. Štefan Ivanecký, prof. MUDr. Jana Kaľuchová, PhD. MBA, MUDr. Róbert Kilík, PhD., MUDr. Mária Kubíková, PhD., MUDr. Lucia Sukovská Lakyová, PhD., 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., 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, 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., MUDr. Martina Zavacká, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Milan Šudák, PhD., prof. MUDr. Igor Šulla, DrSc., doc. MUDr. Jozef Firment, PhD., MUDr. Adrián Kolesár, PhD., MPH, MUDr. Martin Ledecký, MUDr. Lucia Mistríková, MUDr. Štefánia Mižáková, doc. MUDr. František Sabol, PhD., MPH, MBA, MUDr. Tomáš Toporcer, PhD., doc. MUDr. Eugen Frišman, PhD., MUDr. Peter Lengyel, PhD.

**Date of last modification:** 11.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice						
<b>Faculty:</b> Faculty of Medicine						
<b>Course ID:</b> ChK/ OTT-GM/15		<b>Course name:</b> The Organ and Tissue Transplantation				
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 2 <b>Per study period:</b> 0 / 28 <b>Course method:</b> present						
<b>Number of ECTS credits:</b> 2						
<b>Recommended semester/trimester of the course:</b> 10.						
<b>Course level:</b> I.II.						
<b>Prerequisites:</b>						
<b>Conditions for course completion:</b> Final research.						
<b>Learning outcomes:</b> 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.						
<b>Brief outline of the course:</b> 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.						
<b>Recommended literature:</b> Frankovičová , Surgery for Medical Students						
<b>Course language:</b>						
<b>Notes:</b>						
<b>Course assessment</b> Total number of assessed students: 36						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
83.33	16.67	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b> prof. MUDr. Jana Kaťuchová, PhD. MBA						
<b>Date of last modification:</b> 18.02.2019						
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.						

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> UA/ GM/09	<b>Course name:</b> Topographic Anatomy
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 8.	
<b>Course level:</b> I.II.	
<b>Prerequisites:</b> UA/A-GM3/17	
<b>Conditions for course completion:</b> Students must present anatomical specimens they prepared during the semester. Evaluation: completed	
<b>Learning outcomes:</b> 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.	
<b>Brief outline of the course:</b> 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.	
<b>Recommended literature:</b> 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, Musculoskeletal 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	
<b>Course language:</b> English	

**Notes:**

subject is provided only in the summer semester

**Course assessment**

Total number of assessed students: 62

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
59.68	9.68	0.0	0.0	0.0	0.0	30.65

**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.

**Date of last modification:** 13.02.2019

**Approved:** prof. MUDr. Daniel Pella, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> KICM/ TM-GM/09		<b>Course name:</b> Tropical Medicine			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 9.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b> Epidemiological aspects and basic diagnostics of infectious diseases, the basic principles antiinfectious treatment of tropical infection, imported infections.					
<b>Brief outline of the course:</b> The nature of infectious diseases, principles of diagnosis. Tropical intestinal infections. Viral hepatitis. HIV / AIDS. Malaria. Tropical parasitic diseases. Imported infections.					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 223					
A	B	C	D	E	FX
39.46	29.6	19.28	8.07	2.69	0.9
<b>Provides:</b> prof. MUDr. Ivan Schréter, CSc., prof. MUDr. Pavol Jarčuška, PhD., doc. MUDr. Pavol Kristian, PhD., MUDr. Martin Novotný, PhD., doc. MUDr. Zuzana Paraličová, PhD.					
<b>Date of last modification:</b> 11.02.2016					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> ChK/ UM-GM/17		<b>Course name:</b> Urgent Medicine			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 0 / 1 <b>Per study period:</b> 0 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 9.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> ChK/S-GM3/17 and IK/IM-GM3/17 and UFR/PM-GM2/17					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 436					
A	B	C	D	E	FX
57.11	25.23	7.34	6.65	2.52	1.15
<b>Provides:</b> doc. MUDr. Eva Szabóová, PhD., MUDr. Štefan Ivanecký					
<b>Date of last modification:</b> 22.05.2017					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> CJP/ LFCLTS/16		<b>Course name:</b> Čítanie lekárskeho textu v slovenčine			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 6., 8., 10.					
<b>Course level:</b> I.II.					
<b>Prerequisites:</b> Dek. LF UPJŠ/SL-DM4/15 or Dek. LF UPJŠ/SL-GM4/15					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b> PhDr. Helena Petruňová, CSc.					
<b>Date of last modification:</b> 18.06.2017					
<b>Approved:</b> prof. MUDr. Daniel Pella, PhD.					