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COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Medicine					
Course ID: ULCHBKB/ACH-LM/22		Course name: Analytical Chemistry			
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 2 / 3 / 2 Per study period: 28 / 42 / 28 Course method: present					
Number of ECTS credits: 5					
Recommended semester/trimester of the course: 1.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 30					
A	B	C	D	E	FX
16.67	6.67	10.0	16.67	16.67	33.33
Provides:					
Date of last modification: 17.02.2023					
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UA/AF-LM/22	Course name: Anatomy and Physiology
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 2 / 2 / 2 Per study period: 28 / 28 / 28 Course method: present	
Number of ECTS credits: 3	
Recommended semester/trimester of the course: 1.	
Course level: I.	
Prerequisites:	
Conditions for course completion: Conditions for course completion: To pass the subject and register for the final exam, you need: <ol style="list-style-type: none"> 1. Mandatory attendance at lectures, two excused absences are allowed. 2. Active participation in practical exercises. A student can have a maximum of 3 absences, 4 or more absences do not entitle the student to continue study of the subject - if he/she misses a practical exercise (maximum of 3 times) for serious health or family reasons, his/her absence must be excused by the teacher and the compensation of the missing exercise completed at the Department of Anatomy/ Department of Medical Physiology after agreement with the teacher. 3. The student will compensate the missed lessons by preparing a seminar paper on the missed topic. The seminar paper should be at least 2 printed A4 pages with reference to the literature used. The term paper should be presented to the teacher and demonstrate knowledge of the topic of the term paper, which will be verified by the teacher in the form of an oral discussion. 4. During the semester, the student takes part in 2 current tests, each test consists of 30 questions. For passing the subject, it is required to be successful in both tests, i.e. j. he/she must achieve a minimum 60% from each test. Non-participation in any current test is considered as the absence. 5. Student who did not meet the conditions for passing the subject, i.e. j. has the number of absences from practical lessons more than 3 and from lecture more than 2, or did not take part in the tests and did not justify his non-participation, he/she will not be allowed to take part in an alternate date of tests and will be evaluated with classification level "X" - unclassified student. A student who was evaluated with an Fx grade from the current test and has no more than 3 compensated absences from practical lessons and more than 1 absences from lectures will take part in retake test. 6. The final exam in the form of a test consists of 60 questions (4 multiple choice questions, 1 correct 1 answer), the lower limit for writing the test: 60%. Evaluation of the final exam: 100 – 91 /A/ excellent 90 – 84 /B/ very good 83 – 75 /C/ good 74 – 68 /D/ satisfactory 67 – 60 /E/ sufficient 59 and below /FX/ fail	

Learning outcomes:

The aim of the subject is to provide students with basic information about the structures and functions of the human body. Students gradually have to deal with the anatomical nomenclature, and description and, function of organ systems, individual organs and organ participation, which must be mastered for further preclinical subjects and clinical practice. After completing the anatomy and physiology course, each student should be able to describe and identify the individual parts of the human body in terms of macroscopy and function. The purpose of the integrated study of anatomy and physiology is to adopt the basic etiopathogenetic concepts applied in the development of diseases of selected organ systems, taking into account the multifaceted focus and specifics of laboratory practice.

Brief outline of the course:

Introduction to anatomy. Passive movement system. Active movement system. Cardiovascular system. Breathing system. Digestive system. Urinary system. Male and female reproductive system. Lymphatic system. Endocrine system. Central and peripheral nervous system. Sensory organs. Introduction to physiology, general physiological principles. Physiology of the locomotor system. Physiology of the cardiovascular and respiratory system. Physiology of the digestive and urinary systems. Physiology of the male and female reproductive system. Physiology of the lymphatic system and endocrine glands. General neurophysiology. Physiology of the senses.

Recommended literature:

1. Rybárová a kol.: Anatómia pre nelekárske zdravotnícke odbory, 2011
2. Hodorová a kol.: Pracovný zošit z anatómie, 2009
3. Mráz a kol.: Anatómia ľudského tela, Bratislava 2006
4. Švorc P., Kujaník Š., Bračoková I.: Učebnica fyziológie človeka pre študijný odbor ošetrovateľstvo. Mercury - Smékal s. r. o., 2004, 248 s.

Course language:**Notes:****Course assessment**

Total number of assessed students: 28

A	B	C	D	E	FX
14.29	17.86	17.86	21.43	28.57	0.0

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

Date of last modification: 26.09.2023

Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ULBL/ BG-LM/22	Course name: Biology and Genetics
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 2 / 3 / 2 Per study period: 28 / 42 / 28 Course method: present	
Number of ECTS credits: 4	
Recommended semester/trimester of the course: 1.	
Course level: I.	
Prerequisites:	
Conditions for course completion: All practical lessons 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 with the final examination for the period of the semester concerned.	
Learning outcomes: To introduce the basic concepts of cell biology, molecular biology and genetics. 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. Students have acquired an understanding of the major concepts in human genetics and have obtained basic in clinical practice.	
Brief outline of the course: Cell structure – prokaryotic and eukaryotic cells, cell membranes, cell organelles, their structure and function. Cell cycle – phases, control of cell cycle, mitosis, meiosis. Biomacromolecules – the fundamental components of biological macromolecules, common characteristics, the structure and function of saccharides, lipids, proteins and nucleic acids. DNA – structure, replication of DNA. The structural organization of genome - organization of DNA in genomes, the basic principles of human cytogenetics. Gene expression – genetic code, gene structure and function, transcription, translation. Mutations - classification of mutations, mechanisms of mutagenesis, gene (point) mutations, structural and numerical chromosome mutations. Mendelian genetics – general characteristics, Mendel's laws of inheritance. Human genetics – monogenic and polygenic inheritance, multifactorial diseases. Gene linkage. Heredity and sex. Inheritance of blood group systems - ABO, Rh system. Genealogy and genetic counselling. Population genetics.	
Recommended literature: 1. Šalagovič, J., Ondruššeková, A., Mičková, H., Klimčáková, L., Židzik, J., Slabá, E., Hudáková, T.: Lekárska biológia I., 2. doplnené vydanie, Equilibria, Košice 2009, 166 s. 2. Mičková, H., Šalagovič, J. a kol.: Lekárska biológia II., Equilibria, Košice 2007, 224 s. 3. Hudáková, T., Židzik, J.: Biológia a genetika, pracovný zošit na praktické cvičenia, Equilibria s.r.o., Košice 2015, 92 s. 4. Böhmer, D. a kol.: Úvod do biológie a genetiky pre bakalárske štúdium., Asklepios, Bratislava 2006	

Course language: Slovak					
Notes:					
Course assessment Total number of assessed students: 28					
A	B	C	D	E	FX
25.0	32.14	14.29	14.29	10.71	3.57
Provides: doc. RNDr. Janka Vašková, PhD., prof. RNDr. Ján Šalagovič, PhD., RNDr. Terézia Hudáková, PhD., RNDr. Jozef Židzik, PhD.					
Date of last modification: 07.09.2022					
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Medicine					
Course ID: ULBF/ B-LM/22		Course name: Biophysics			
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 2 / 3 / 1 Per study period: 28 / 42 / 14 Course method: present					
Number of ECTS credits: 4					
Recommended semester/trimester of the course: 2.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 28					
A	B	C	D	E	FX
10.71	21.43	14.29	21.43	21.43	10.71
Provides: RNDr. Michaela Šulíková, PhD., RNDr. Soňa Tkáčiková, PhD., RNDr. Miroslav Marcin, PhD., RNDr. Martin Menkyna, PhD., RNDr. Csilla Uličná, PhD.					
Date of last modification: 21.09.2023					
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ULI/ EZ-LM/22	Course name: Electronic Healthcare
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 1 / 2 / 1 Per study period: 14 / 28 / 14 Course method: present	
Number of ECTS credits: 3	
Recommended semester/trimester of the course: 2.	
Course level: I.	
Prerequisites:	
Conditions for course completion: 1. 100% and active attendance. 2. Min. 60% from each test during the term. 3. Elaboration of all assigned tasks.	
Learning outcomes: The aim of the course is to get knowledge about the basic terms, methods and tools of information and communication technologies. To reach the computer skills at the level, that allows students to create and to use databases and to get skills in information systems used in health care system. Students should also understand the importance of medical terminology, standards and evidence based medicine.	
Brief outline of the course: Utilization of ICT and informatics tools in medicine, eHealth, electronic health record, ePrescription, eMedication, eAllocation, information systems, telemedicine, bioinformatics, electronic signature, eLearning. Databases, data processing, database tables, primary keys, input mask, relations between tables. Forms in database, controls in forms, searching for information in database, data filtering, data sorting, queries, selection criteria, working with printing reports. Introduction into the biomedical statistics, descriptive statistics. Hospital information system. Terminology in medicine. PACS. Laboratory information system. Evidence based medicine.	
Recommended literature: 1. Majerník J., Švída M., Majerníková Ž.: Medicínska informatika, UPJŠ, Košice 2010, Equilibria, ISBN 978-80-7097-811-5. 2. Majerník J., Švída M.: Databázy v MS Access. Multimediálna podpora výučby klinických a zdravotníckych odborov: Portál Lekárskej fakulty Univerzity Pavla Jozefa Šafárika v Košiciach, < http://portal.lf.upjs.sk/clanky.php?aid=57 >. ISSN 1337-7000. 3. Majerník J.: Úvod do (bio)štatistiky. Multimediálna podpora výučby klinických a zdravotníckych odborov : Portál Lekárskej fakulty Univerzity Pavla Jozefa Šafárika v Košiciach, < http://portal.lf.upjs.sk/clanky.php?aid=112 >. ISSN 1337-7000. 4. Majerník J., Kotlárová K.: Medicínska informatika 2 - Nemocničný informačný systém, UPJŠ, Košice 2010, Equilibria, ISBN 978-80-7097-812-2. 5. Majerník J.: Základy informatiky, Košice 2008, Aprilla, ISBN 978-80-89346-03-5.	

6. Handbooks for hospital, ambulatory, radiological and laboratory information systems.
7. Notes from practical lessons.

Course language:

Slovak

Notes:

Course assessment

Total number of assessed students: 6

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	50.0	33.33	0.0	0.0	0.0	16.67

Provides:

Date of last modification: 25.03.2023

Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UE/E-LM/22	Course name: Epidemiology
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 2 / 2 / 2 Per study period: 28 / 28 / 28 Course method: present	
Number of ECTS credits: 3	
Recommended semester/trimester of the course: 1.	
Course level: I.	
Prerequisites:	
Conditions for course completion: Active participation in lectures and practical exercises. Successful completion of interim study controls and final exam.	
Learning outcomes: The graduate will acquire knowledge of basic concepts, methods, and studies in epidemiology with an emphasis on the epidemiology of infectious and non-infectious diseases, risk factors affecting their occurrence, measures against their spread, and improving the health status of the population.	
Brief outline of the course: Definition of epidemiology, basic epidemiological terms. Epidemiological methods and studies. Epidemiology of infectious diseases. Classification of infectious diseases and basic characteristics of their main groups. Respiratory tract infections. GIT infections. Skin and mucous membrane infections. Blood infections. Nosocomial infections. Zoonoses. General principles of combating infectious diseases. Specific prophylaxis. Decontamination. Epidemiology of non-communicable diseases. Determinants of non-infectious diseases. Monitoring of non-infectious diseases. Measuring the health status of the population, indicators of health, and disease. Risk factors for the development of the disease, risk assessment.	
Recommended literature: Bakoss P. a kol. Epidemiológia. UK Bratislava, 2013, 517 s. ISBN 9788022334990. Bazovská S. a kol.: Špeciálna epidemiológia. UK Bratislava, 2007, 337 s. ISBN 978802232301. Krištúfková Z. a kol.: Epidemiologické metódy v praxi. PRO, s r.o., Banská Bystrica, 2014, 100 s. ISBN 9788089057542. Babinská I., Halánová M.: Návodý na praktické cvičenia z epidemiológie I. Košice: Vydavateľstvo ŠafárikPress UPJŠ, 2019, 102 s. ISBN 9788081528323.	
Course language: slovak	
Notes:	

Course assessment					
Total number of assessed students: 13					
A	B	C	D	E	FX
23.08	23.08	15.38	30.77	7.69	0.0
Provides: MUDr. Ingrid Babinská, PhD., MPH, MVDr. Veronika Bednárová, PhD., MVDr. Elena Hatalová, PhD., MUDr. Zuzana Kalinová, PhD., prof. MVDr. Monika Halánová, PhD., doc. MUDr. Ingrid Urbančíková, PhD., MPH					
Date of last modification: 28.02.2023					
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Medicine						
Course ID: UO/ PPZO-LM/22		Course name: First Aid and the Fundamentals of Nursing				
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 1 / 1 / 0 Per study period: 14 / 14 / 0 Course method: present						
Number of ECTS credits: 2						
Recommended semester/trimester of the course: 1.						
Course level: I.						
Prerequisites:						
Conditions for course completion:						
Learning outcomes:						
Brief outline of the course:						
Recommended literature:						
Course language:						
Notes:						
Course assessment Total number of assessed students: 28						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	67.86	17.86	14.29	0.0	0.0	0.0
Provides: PhDr. Libuša Tirpáková, PhD., PhDr. Jana Sušinková, PhD.						
Date of last modification: 03.06.2022						
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka						

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Medicine						
Course ID: UFR/ ZF-LM/22		Course name: Fundamentals of Pharmacology				
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 1 / 2 / 1 Per study period: 14 / 28 / 14 Course method: present						
Number of ECTS credits: 3						
Recommended semester/trimester of the course: 2.						
Course level: I.						
Prerequisites:						
Conditions for course completion:						
Learning outcomes:						
Brief outline of the course:						
Recommended literature:						
Course language:						
Notes:						
Course assessment Total number of assessed students: 12						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Provides:						
Date of last modification: 03.06.2022						
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka						

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Medicine					
Course ID: UHE/HP-LM/22		Course name: Histology and Pathology			
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 2 / 3 / 2 Per study period: 28 / 42 / 28 Course method: present					
Number of ECTS credits: 4					
Recommended semester/trimester of the course: 2.					
Course level: I.					
Prerequisites: UA/AF-LM/22					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 12					
A	B	C	D	E	FX
33.33	0.0	8.33	8.33	50.0	0.0
Provides: doc. MVDr. Štefan Tóth, PhD., Mgr. Peter Petík					
Date of last modification: 19.01.2023					
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Medicine						
Course ID: KRZM/ ZMZ-LM/22		Course name: Imaging Methods in Healthcare				
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 1 / 2 / 1 Per study period: 14 / 28 / 14 Course method: present						
Number of ECTS credits: 3						
Recommended semester/trimester of the course: 2.						
Course level: I.						
Prerequisites:						
Conditions for course completion:						
Learning outcomes:						
Brief outline of the course:						
Recommended literature:						
Course language:						
Notes:						
Course assessment 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
Provides:						
Date of last modification: 03.06.2022						
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka						

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ULI/I-LM/22	Course name: Informatics
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 1 / 2 / 1 Per study period: 14 / 28 / 14 Course method: present	
Number of ECTS credits: 3	
Recommended semester/trimester of the course: 2.	
Course level: I.	
Prerequisites:	
Conditions for course completion: <ol style="list-style-type: none"> 1. 100% and active attendance. 2. Min. 60% from each test during the term. 3. Elaboration of all assigned tasks during practical lessons. 4. Successful completion of the final exam. 	
Learning outcomes: Master the basic concepts, procedures and means of information and communication technologies. To achieve computer literacy among students at a level that will allow them to effectively use the elements of informatics when processing various assignments, tasks, student professional as well as scientific activities. Know how to work in Windows operating systems, utilize Internet information resources and master working with MS Office applications.	
Brief outline of the course: Basics of information technology. Introduction to computer terminology. Technical equipment of the computer. Computer software. Information networks, electronic communication. Information security, data protection, copyright protection. Computer viruses and protection against them. Computer work and file management. Text processing. Document formatting. Mailing and bulk correspondence. Spreadsheet calculator. Calculation of characteristics of descriptive statistics. Creating graphs from table data. Creation of presentations. Database resources in medicine. Library databases. Search and processing of medical information.	
Recommended literature: <ol style="list-style-type: none"> 1. Majerník J.: Základy informatiky, Košice 2008, Aprilla, ISBN 978-80-89346-03-5. 2. Majerník J.: Základy informačných technológií, Portál UPJŠ LF, dostupný z WWW: http://portal.lf.upjs.sk/clanky.php?aid=25, ISSN 1337-7000. 3. Majerník J., Švida M., Krivoš-Belluš J.: Práca s textovým editorom nielen pre študentov, Portál UPJŠ LF, dostupný z WWW: http://portal.lf.upjs.sk/clanky.php?aid=21, ISSN 1337-7000. 4. Švida M., Majerník J., Krivoš-Belluš J.: Práca s tabuľkovým procesorom nielen pre študentov, Portál UPJŠ LF, dostupný z WWW: http://portal.lf.upjs.sk/clanky.php?aid=28, ISSN 1337-7000. 5. Manuals for the MS Windows operating system (various versions). 6. Manuals for MS Office applications (various versions). 	

Course language: Slovak						
Notes:						
Course assessment Total number of assessed students: 12						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	0.0	8.33	41.67	33.33	16.67	0.0
Provides: Ing. Zuzana Pella, PhD.						
Date of last modification: 25.03.2023						
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka						

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Medicine					
Course ID: ULCHBKB/VMG-LM/22		Course name: Investigative Methods in Genetics			
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 2 / 3 / 1 Per study period: 28 / 42 / 14 Course method: present					
Number of ECTS credits: 4					
Recommended semester/trimester of the course: 2.					
Course level: I.					
Prerequisites: ULBL/BG-LM/22					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 11					
A	B	C	D	E	FX
36.36	0.0	9.09	18.18	27.27	9.09
Provides: RNDr. Katarína Fiedlerová					
Date of last modification: 17.02.2023					
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Medicine					
Course ID: ULM/ VMI-LM/22		Course name: Investigative Methods in Immunology			
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 2 / 3 / 1 Per study period: 28 / 42 / 14 Course method: present					
Number of ECTS credits: 4					
Recommended semester/trimester of the course: 2.					
Course level: I.					
Prerequisites: ULM/MI-LM/22					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 12					
A	B	C	D	E	FX
16.67	0.0	33.33	0.0	8.33	41.67
Provides: RNDr. Marián Sabol, CSc.					
Date of last modification: 03.06.2022					
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Medicine						
Course ID: ULCHBKB/LT-LM/22		Course name: Laboratory Technology				
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 2 / 3 / 2 Per study period: 28 / 42 / 28 Course method: present						
Number of ECTS credits: 5						
Recommended semester/trimester of the course: 1.						
Course level: I.						
Prerequisites:						
Conditions for course completion:						
Learning outcomes:						
Brief outline of the course:						
Recommended literature:						
Course language:						
Notes:						
Course assessment Total number of assessed students: 28						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	7.14	10.71	17.86	14.29	50.0	0.0
Provides: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka, RNDr. Ivana Špaková, PhD., doc. Ing. Beáta Hubková, PhD.						
Date of last modification: 17.02.2023						
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka						

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: USL/ PEAP-LM/22	Course name: Legal and Ethical Aspects of the Profession
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 2 / 1 / 1 Per study period: 28 / 14 / 14 Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course: 2.	
Course level: I.	
Prerequisites:	
Conditions for course completion: Attendance on lectures and seminars to the specified extent, successful completion of oral exam.	
Learning outcomes: The student acquires basic ethical and legal knowledge concerning the profession as well as the requirements, duties and responsibilities of the laboratory technician.	
Brief outline of the course: The relationship between ethics and law. Legal and ethical requirements for a healthcare worker. Basic legal standards in healthcare. Healthcare worker. Code of ethics for healthcare workers. Professional qualification to perform the medical profession of medical laboratory technician. Rights and obligations of a healthcare worker. Types of legal responsibility of a healthcare worker. Mandatory confidentiality and reporting obligations of healthcare workers. Informed consent of the patient. Medical documentation. Health care supervision. Basic principles of ethics in healthcare. Codes, declarations and agreements in the field of healthcare. Relationship between healthcare worker and a patient. Patients' rights. Communication in healthcare. Ethical aspects of laboratory medicine. Biomedical research including human subjects. Experiments on animals. Ethics committee. Ethical aspects of the beginning and the end of life. Current ethical issues in the field of genetics. Reproductive and therapeutic cloning. Ethics of research and use of stem cells.	
Recommended literature: BARANCOVÁ, H. a kol. Medicínske právo. Trnava: Typi Universitatis Tyrnaviensis, 2008. CIMBOLÁKOVÁ, I. a kol. Výskum v medicíne a etika. Košice: UPJŠ v Košiciach, 2015. FARKAŠOVÁ IANNACCONE, S. a kol. Etické aspekty komunikácie v medicíne. Košice: UPJŠ v Košiciach, 2015. KÁDEK, P. Právna zodpovednosť v medicíne. Bratislava: Wolters Kluwer, 2018. PTÁČEK, R., BARTŮNEK, P. a kol. Etické problémy medicíny na prahu 21. století. Praha: Grada Publishing, a.s., 2014. ŠOLTÉS, L., PULLMAN, R. a kol. Vybrané kapitoly z medicínskej etiky. Martin: Osveta, 2008.	
Course language: Slovak	
Notes:	

Course assessment					
Total number of assessed students: 12					
A	B	C	D	E	FX
58.33	41.67	0.0	0.0	0.0	0.0
Provides:					
Date of last modification: 11.01.2024					
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Medicine					
Course ID: ULM/ MI-LM/22		Course name: Microbiology and Immunology			
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 2 / 3 / 2 Per study period: 28 / 42 / 28 Course method: present					
Number of ECTS credits: 5					
Recommended semester/trimester of the course: 1.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 27					
A	B	C	D	E	FX
11.11	29.63	29.63	14.81	14.81	0.0
Provides: Ing. Viera Lovayová, PhD., MUDr. Marián Marcin, Mgr. Mária Nagyová, MVDr. Vladimír Hrabovský, PhD., RNDr. Marián Sabol, CSc., Dr.h.c. prof. MUDr. Leonard Siegfried, CSc., RNDr. Katarína Čurová, PhD.					
Date of last modification: 03.06.2022					
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Medicine						
Course ID: ULCHBKB/OLP-LM1/22		Course name: Professional Laboratory Practice 1.				
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: Per study period: 80s Course method: present						
Number of ECTS credits: 4						
Recommended semester/trimester of the course: 2.						
Course level: I.						
Prerequisites:						
Conditions for course completion:						
Learning outcomes:						
Brief outline of the course:						
Recommended literature:						
Course language:						
Notes:						
Course assessment Total number of assessed students: 12						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Provides:						
Date of last modification: 17.02.2023						
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka						

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UPZMV/PPK- LM/22	Course name: Psychology and Professional Communication
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 2 / 1 / 1 Per study period: 28 / 14 / 14 Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course: 2.	
Course level: I.	
Prerequisites:	
Conditions for course completion: <ol style="list-style-type: none"> 1. Mandatory 100% active participation in the exercises 2. Studying all lectures and sent materials 3. Passing interim tests 4. Submission and presentation of the seminar work 	
Learning outcomes: Basic orientation in knowledge from selected areas of psychology and improvement of communication skills necessary for practice.	
Brief outline of the course: <ul style="list-style-type: none"> - Health and social determinants of health - "Being ill" - Availability and responsiveness of the health service system - Basic principles of communication and non-verbal communication - Communication and cooperation - Prejudices and stereotypes in communication - Establishing a relationship and conducting a conversation - Providing information and explaining medical procedures - Work with specific groups and speeches - Theories and mechanisms of stress - Stress management strategies - Social support 	
Recommended literature: Křivohlavý J.: Psychologie zdraví. Praha: Grada, 2001. Morrison V., Bennett P.: Introduction to Health Psychology. Pearson, Harlow, 2016 Vybíral, Z. 2000. Psychologie lidské komunikace. 1. vyd. Praha: Portál, 2000. 264 s Výrost, J., Slaměník, I.: Aplikovaná sociální psychologie I. Praha, Portál, 1998. Výrost, J., Slaměník, I.: Aplikovaná sociální psychologie II. Praha, Grada, 2001.	
Course language:	

slovak, english						
Notes: hybrid block teaching						
Course assessment Total number of assessed students: 12						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Provides: PhDr. Ivana Mészáros Skoumalová, PhD., doc. Mgr. Zuzana Dankulincová, PhD., Mgr. Jaroslava Kopčáková, PhD., prof. Mgr. Andrea Madarasová Gecková, PhD.						
Date of last modification: 21.03.2023						
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka						

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Medicine						
Course ID: KRZM/ RO-LM/22		Course name: Radiation Protection				
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 1 / 2 / 1 Per study period: 14 / 28 / 14 Course method: present						
Number of ECTS credits: 3						
Recommended semester/trimester of the course: 2.						
Course level: I.						
Prerequisites:						
Conditions for course completion:						
Learning outcomes:						
Brief outline of the course:						
Recommended literature:						
Course language:						
Notes:						
Course assessment 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
Provides:						
Date of last modification: 03.06.2022						
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka						

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ÚTVŠ/ ŠALF 1/22	Course name: Sport 1
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present	
Number of ECTS credits: 1	
Recommended semester/trimester of the course: 1.	
Course level: I., I.II.	
Prerequisites:	
Conditions for course completion: Condition for successful course completion: - active participation in line with the study rule of procedure and course guidelines - students must meet the requirements to 80%	
Learning outcomes: Sports activities in all their forms prepare university students for their further professional and personal life. A personal experience allows them to understand the importance of physical activity for life. Sports actively influence physical fitness and performance, help to maintain mental health, and improve the health of those engaged in sport. The skills and abilities acquired and improved during exercise, strengthen students' relationships toward physical activities and provide an opportunity to affect their near and the wider environment in a selected sport activity. Content standard: The student demonstrates relevant knowledge and skills in the field, which content is defined in the course syllabus and recommended literature. Performance standard: Upon completion of the course students meet the performance standard and: - acquire movement skills in a particular sport, basic skills and complex skills in sport games and swimming competency - increase the level of speed, endurance, power and agility, overall fitness and performance - can apply the exercises in practice, - can apply a specific health-oriented programme to target health problems - can apply acquired knowledge and skills in the sport development process and leisure time	
Brief outline of the course: Brief outline of the course: The Institute of physical education and sport at the Pavol Jozef Šafárik University offers 20 sports activities aerobics; aikido, basketball, badminton, body-balance, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, fitness, indoor football, SM system, step aerobics, table tennis, chess, volleyball, tabata, cycling. Additionally, the Institute of physical education and sport at the Pavol Jozef Šafárik University offers winter courses (ski course, survival) and summer courses (aerobics by the sea, rafting on	

the Tisza River) with an attractive programme, sports competitions with national and international participation.						
Recommended literature:						
Course language:						
Notes:						
Course assessment						
Total number of assessed students: 700						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
92.14	0.86	0.0	0.0	0.0	0.0	7.0
Provides: Mgr. Patrik Berta, Mgr. Alena Buková, PhD., Mgr. Marcel Čurgali, Mgr. Agata Dorota Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Ladislav Kručanica, PhD., Mgr. Richard Melichar, Mgr. Petra Tomková, PhD., prof. RNDr. Stanislav Vokál, DrSc., Blažej Pandula, doc. PaedDr. Ivan Uher, MPH, PhD., Mgr. Zuzana Küchelová, PhD.						
Date of last modification: 07.02.2024						
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka						

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ÚTVŠ/ ŠALF 2/22	Course name: Sport 2
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present	
Number of ECTS credits: 1	
Recommended semester/trimester of the course: 2.	
Course level: I., I.II.	
Prerequisites:	
Conditions for course completion: Condition for successful course completion: - active participation in line with the study rule of procedure and course guidelines - students must meet the requirements to 80%	
Learning outcomes: Learning outcomes: Sports activities in all their forms prepare university students for their further professional and personal life. A personal experience allows them to understand the importance of physical activity for life. Sports actively influence physical fitness and performance, help to maintain mental health, and improve the health of those engaged in sport. The skills and abilities acquired and improved during exercise, strengthen students' relationships toward physical activities and provide an opportunity to affect their near and the wider environment in a selected sport activity. Content standard: The student demonstrates relevant knowledge and skills in the field, which content is defined in the course syllabus and recommended literature. Performance standard: Upon completion of the course students meet the performance standard and: - acquire movement skills in a particular sport, basic skills and complex skills in sport games and swimming competency - increase the level of speed, endurance, power and agility, overall fitness and performance - can apply the exercises in practice, - can apply a specific health-oriented programme to target health problems - can apply acquired knowledge and skills in the sport development process and leisure time	
Brief outline of the course: Brief outline of the course: The Institute of physical education and sport at the Pavol Jozef Šafárik University offers 20 sports activities aerobics; aikido, basketball, badminton, body-balance, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, fitness, indoor football, SM system, step aerobics, table tennis, chess, volleyball, tabata, cycling. Additionally, the Institute of physical education and sport at the Pavol Jozef Šafárik University offers winter courses (ski course, survival) and summer courses (aerobics by the sea, rafting on	

the Tisza River) with an attractive programme, sports competitions with national and international participation.						
Recommended literature:						
Course language:						
Notes:						
Course assessment Total number of assessed students: 482						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
92.95	0.0	0.0	0.0	0.0	0.62	6.43
Provides: Mgr. Patrik Berta, Mgr. Alena Buková, PhD., Mgr. Marcel Čurgali, Mgr. Agata Dorota Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Ladislav Kručanica, PhD., Mgr. Richard Melichar, Mgr. Petra Tomková, PhD., Blažej Pandula, prof. RNDr. Stanislav Vokál, DrSc., doc. PaedDr. Ivan Uher, MPH, PhD., Mgr. Zuzana Küchelová, PhD.						
Date of last modification: 07.02.2024						
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka						

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ÚTVŠ/ ŠALF 3/22	Course name: Sport 3
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present	
Number of ECTS credits: 1	
Recommended semester/trimester of the course: 1.	
Course level: I., I.II.	
Prerequisites:	
Conditions for course completion: Condition for successful course completion: - active participation in line with the study rule of procedure and course guidelines - students must meet the requirements to 80%	
Learning outcomes: Learning outcomes: Sports activities in all their forms prepare university students for their further professional and personal life. A personal experience allows them to understand the importance of physical activity for life. Sports actively influence physical fitness and performance, help to maintain mental health, and improve the health of those engaged in sport. The skills and abilities acquired and improved during exercise, strengthen students' relationships toward physical activities and provide an opportunity to affect their near and the wider environment in a selected sport activity. Content standard: The student demonstrates relevant knowledge and skills in the field, which content is defined in the course syllabus and recommended literature. Performance standard: Upon completion of the course students meet the performance standard and: - acquire movement skills in a particular sport, basic skills and complex skills in sport games and swimming competency - increase the level of speed, endurance, power and agility, overall fitness and performance - can apply the exercises in practice, - can apply a specific health-oriented programme to target health problems - can apply acquired knowledge and skills in the sport development process and leisure time	
Brief outline of the course: Brief outline of the course: The Institute of physical education and sport at the Pavol Jozef Šafárik University offers 20 sports activities aerobics; aikido, basketball, badminton, body-balance, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, fitness, indoor football, SM system, step aerobics, table tennis, chess, volleyball, tabata, cycling.	

Additionally, the Institute of physical education and sport at the Pavol Jozef Šafárik University offers winter courses (ski course, survival) and summer courses (aerobics by the sea, rafting on the Tisza River) with an attractive programme, sports competitions with national and international participation.						
Recommended literature:						
Course language:						
Notes:						
Course assessment						
Total number of assessed students: 1320						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
91.44	0.38	0.0	0.08	0.0	0.76	7.35
Provides: Mgr. Patrik Berta, Mgr. Alena Buková, PhD., Mgr. Marcel Čurgali, Mgr. Agata Dorota Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Ladislav Kručanica, PhD., Mgr. Richard Melichar, Mgr. Petra Tomková, PhD., Blažej Pandula, prof. RNDr. Stanislav Vokál, DrSc., doc. PaedDr. Ivan Uher, MPH, PhD., Mgr. Zuzana Küchelová, PhD.						
Date of last modification: 07.02.2024						
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka						

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ÚTVŠ/ ŠALF 4/22	Course name: Sport 4
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present	
Number of ECTS credits: 1	
Recommended semester/trimester of the course: 2.	
Course level: I., I.II.	
Prerequisites:	
Conditions for course completion: Condition for successful course completion: - active participation in line with the study rule of procedure and course guidelines - students must meet the requirements to 80%	
Learning outcomes: Learning outcomes: Sports activities in all their forms prepare university students for their further professional and personal life. A personal experience allows them to understand the importance of physical activity for life. Sports actively influence physical fitness and performance, help to maintain mental health, and improve the health of those engaged in sport. The skills and abilities acquired and improved during exercise, strengthen students' relationships toward physical activities and provide an opportunity to affect their near and the wider environment in a selected sport activity. Content standard: The student demonstrates relevant knowledge and skills in the field, which content is defined in the course syllabus and recommended literature. Performance standard: Upon completion of the course students meet the performance standard and: - acquire movement skills in a particular sport, basic skills and complex skills in sport games and swimming competency - increase the level of speed, endurance, power and agility, overall fitness and performance - can apply the exercises in practice, - can apply a specific health-oriented programme to target health problems - can apply acquired knowledge and skills in the sport development process and leisure time	
Brief outline of the course: Brief outline of the course: The Institute of physical education and sport at the Pavol Jozef Šafárik University offers 20 sports activities aerobics; aikido, basketball, badminton, body-balance, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, fitness, indoor football, SM system, step aerobics, table tennis, chess, volleyball, tabata, cycling.	

Additionally, the Institute of physical education and sport at the Pavol Jozef Šafárik University offers winter courses (ski course, survival) and summer courses (aerobics by the sea, rafting on the Tisza River) with an attractive programme, sports competitions with national and international participation.						
Recommended literature:						
Course language:						
Notes:						
Course assessment						
Total number of assessed students: 324						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
91.05	0.0	0.0	0.0	0.0	0.62	8.33
Provides: Mgr. Patrik Berta, Mgr. Alena Buková, PhD., Mgr. Marcel Čurgali, Mgr. Agata Dorota Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Ladislav Kručanica, PhD., Mgr. Richard Melichar, Mgr. Petra Tomková, PhD., Blažej Pandula, prof. RNDr. Stanislav Vokál, DrSc., doc. PaedDr. Ivan Uher, MPH, PhD., Mgr. Zuzana Küchelová, PhD.						
Date of last modification: 07.02.2024						
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka						

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Medicine						
Course ID: ULCHBKB/ TOSBM-LM/22		Course name: Techniques for collection and processing of biological material				
Course type, scope and the method: Course type: Lecture / Practice / Seminar Recommended course-load (hours): Per week: 1 / 2 / 1 Per study period: 14 / 28 / 14 Course method: present						
Number of ECTS credits: 3						
Recommended semester/trimester of the course: 1.						
Course level: I.						
Prerequisites:						
Conditions for course completion:						
Learning outcomes:						
Brief outline of the course:						
Recommended literature:						
Course language:						
Notes:						
Course assessment Total number of assessed students: 28						
abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	14.29	14.29	21.43	17.86	32.14	0.0
Provides: doc. Ing. Beáta Hubková, PhD.						
Date of last modification: 17.02.2023						
Approved: doc. RNDr. Miroslava Rabajdová, PhD., univerzitná profesorka						