CONTENT

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UA/A-ZL5-1/25	**Course name:** Anatomy 1

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

Number of ECTS credits: 6

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:
1. In order to successfully completing the subject as a "prerequisite for registration the subsequent subject Anatomy 2" is required:
- 100% presence in practical lessons. Student may have maximum 3 absences in practical lessons for serious health or family reasons that must be compensated in way determined by teacher
- Lectures are obligatory. Student may have 3 absences in lectures without reason.
- Theoretical and methodical mastery of practical tasks.
- Student with more than 3 absences in practical lessons is not qualified to continue subject Anatomy 1 and to participate in the retaken tests.
2. In order to successfully completing the subject Anatomy 1 as a "prerequisite for completion the subject Anatomy 2":
- The student is obliged to pass all ongoing theoretical and practical tests – i.e. 3 theoretical and 3 practical tests, and achieve at least 60 % success rate, i.e. 24 points (out of 40 points) from each theoretical test and 12 points (out of 20 points) from each practical test.
- The student receives 1 bonus point for each successfully completed test in regular time (max. 3+3). These points, together with the bonus points from the summer semester, are added to the final tests score.
- If the student for any reason (personal, family or health) did not participate in some theoretical or practical test, or if the student did not achieve the minimum number of points from each test, he is entitled to 2 retaken tests. The 1st retaken test will be hold at the beginning of examination period of the winter semester and the 2nd retaken test in the end of the examination period of the winter semester.
- The student will take the retaken test only from the test/s in which he/she did not achieve the minimum number of points (24 from theory/ 12 from the practical test).
- If the student does not take part in retaken (first or second theoretical and practical) tests for any reason, he/she is not entitled to an alternative test.
- Student who does not justify his non-participation in writing the tests in accordance with the established rules, does not achieve at least 60% in the theoretical and practical tests (individually) and does not succeed even in the retaken term, will be evaluated with the mark "ungraded".
- Evaluation is based on evaluation according to the Study Regulations of the UPJŠ in Košice, Faculty of Medicine, II. part, Art. 13, paragraph 4.

- Final credit rating "passed A to E": A = 100 – 91 %, B = 90 – 84 %, C = 83 – 75 %, D = 74 – 68 %, E = 67 – 60 %, unclassified = 59 % and less.
- The final assessment takes into account the results of the continuous assessments.

Learning outcomes:

This subject firstly introduces students about general anatomical terms and systems of human body: locomotor, cardiovascular, lymphatic, and nervous systems in general. Then students deal with anatomy of heart and organ systems: respiratory, digestive, urinary and genital systems. The aim of the course is to teach students the structures of the human body: building of upper and lower limbs, thorax, abdomen and pelvis from systematic and topographic points of view. Last part of the semester will obtain main facts about central nervous system (CNS) in general. Students will become familiar with the inner and outer organization and with function of particular structures of the CNS.

Brief outline of the course:

Ethical principles in teaching of anatomy. Anatomical nomenclature, planes and directions. Bones and joints in general, bones and joints of the trunk and limbs. Muscles in general, muscles of the trunk and limbs. Cardiovascular and lymphatic systems in general, vessels of the trunk and limbs. Nervous system in general, nerves of the trunk and limbs. Basic building of the upper and lower limbs. Heart. Respiratory system. Digestive system. Urinary and genital systems. The trunk in general, mediastinum, peritoneal relations. Abdominal and pelvic cavities and their topography. CNS: spinal cord, medulla oblongata, cerebellum, mesencephalon, diencephalon. Telencephalon – basal ganglia, description, functional regions of brain cortex. Limbic and olfactory systems. Nerve pathways. Brain ventricles. Vessels and coverings of CNS.

Recommended literature:

Compulsory study literature:
KLUCHOVÁ, D. et al.: Anatomy of trunk and limbs, Košice, 2016
Recommended study literature:
KLUCHOVÁ, D. et al.: Guide through anatomy of human body, Košice, 2017
DRAKE, R. L., Vogl A. W., Mitchell A. W. M.: Netter F. H.: Atlas of Human Anatomy, Saunders, 2014
WASCHKE, J., PAULSEN F.: Sobotta: Atlas of Human Anatomy, Volume 1, 2, 3. Elsevier, 2013
ROHEN, J. W., LÜTJEN-DRECOLL E., YOKOSHI CH.: Color Atlas of Anatomy: A Photographic Study of the Human Body, Lippincott Williams & Wilkins, 2015
HUDÁK, R. et al.: Memorix Anatomy, Triton, 2017

Course language:

Notes:

Course assessment

Total number of assessed students: 41

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	29.27	29.27	31.71	9.76	0.0	0.0

Provides: doc. MUDr. Adriana Boleková, PhD., doc. MVDr. Květuše Lovásová, PhD., doc. MUDr. Dalibor Kolesár, PhD., MDDr. Mirela Rozprávková, PhD., prof. MUDr. Ingrid Hodorová, PhD.

Date of last modification: 22.09.2025

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UA/A-ZL5-2/25	**Course name:** Anatomy 2

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

Number of ECTS credits: 6

Recommended semester/trimester of the course: 2.

Course level: I.II.

Prerequisities: UA/A-ZL5-1/25

Conditions for course completion:
1. For successful completion of the practical exercises is required:
- 100% presence in practical lessons. Student may have maximum 3 absences in practical lessons for serious health or family reasons that must be compensated in the way determined by the teacher.
- Lectures are obligatory. Student may have 3 absences in lectures without giving a reason.
- Theoretical and methodical mastery of practical tasks.
- Student with more than 3 absences in practical lessons is not qualified to continue subject Anatomy 2 and to participate in the retaken tests and exam.
2. For successful obtain of the credits from subject:
- Student must take part in each theoretical and practical tests (3 theoretical and 3 practical tests) and achieve at least 60% success rate, i.e. 24 points (out of 40 points) from each theoretical test and 12 points (out of 20 points) from each practical test.
- If the student for any reason (personal, family, or health) did not participate in some theoretical or practical test, or if the student did not achieve the minimum number of points from each test, he is entitled to 2 retaken tests during exam period of summer semester.
- The student will take the retaken test only from the test/s in which he/she did not achieve the minimum number of points (24 from the theoretical test and 12 from the practical test).
- If the student does not take part in retaken (first or second theoretical and practical) tests for any reason, he/she is not entitled to an alternative test.
- If a student does not obtain required number of points from all theoretical and practical tests and does not pass even the retaken test, will be evaluated by the grade „X" without possibility to register to final exam from subject Anatomy 2.
- After fulfilling these conditions, student can register to the final exam.
- Evaluation is based on evaluation according to the Study Regulations of the UPJŠ in Košice, Faculty of Medicine, II. part, Art. 13, paragraph 4.
- The final exam consists of practical and theoretical parts; the final classification includes the evaluation of the final theoretical test. The student obtained the rating "A to E": A = 100 – 91, B = 90 – 84, C = 83– 75, D = 74 – 68, E = 67 – 60, FX = 59 and less.

Learning outcomes:
In the first part of the semester, students will study bones of the skull, cervical vertebrae and their connections, muscles of head and neck, as well. The aim of the subject is to understand

detailed anatomy of the head and neck, the knowledge of blood supply, venous and lymphatic drainages. Innervation of head and neck is substantial for dental students. Detailed anatomy of the skull cavities and their contents and clinically important regions of the head and neck including the organs of hearing and vision are substantial part of this semester in connection of previous knowledge. Correlation between autonomic and somatic innervation of organs will help understand innervation of head and neck. General characteristics and function of endocrine system and skin complete information of anatomy for dental students.

Brief outline of the course:
Skull: splanchnocranium and neurocranium, skull cavities and their borders. Connections of bones of skull. Cervical vertebrae and craniovertebral joints, temporomandibular joint. Muscles of the head – mimetic and masticatory muscles, muscles of the neck. Vessels and coverings of CNS. Blood supply of the head and neck: common carotid a., subclavian a., and its branches. Venous and lymphatic drainage of the head and neck. Innervation of the head and neck – cranial nerves and cervical plexus. Skull cavities and communications. Topographical anatomy of the head. Topographical anatomy of the neck. Autonomic innervation of the head and neck. Anatomical structures of the eye and ear. Visual, auditory, vestibular pathways. Endocrine system. Skin.

Recommended literature:
Základná študijná literatúra:
MRÁZ, P. a kol.: Anatómia človeka, vyd. Slovak Academic Press, 2021
KLUCHOVÁ, D. a kol.: Anatómia trupu a končatín, vyd. UPJŠ Košice, 2015
Doplnková študijná literatúra:
LOVÁSOVÁ, K., KLUCHOVÁ, D.: Topografická anatómia ťažko prístupných a klinicky významných oblastí hlavy, vyd. Typopress, Košice, 2010
NETTER, F. H.: Netterov anatomický atlas človeka, CPress, 2016
Sobottův atlas anatomie člověka I. a II., Grada, 2007
ROHEN, J. W., YOKOSHI, CH., LÜTJEN-DRECOLL, E.: Anatomie člověka. Fotografický atlas. Triton, 2012
HUDÁK, R. a kol.: Memorix anatomie, Triton, 2017
DAUBER, W.: Feneisův obrazový slovník anatomie, Grada, 2011

Course language:

Notes:

Course assessment
Total number of assessed students: 1

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

Provides: doc. MUDr. Adriana Boleková, PhD., doc. MVDr. Květuše Lovásová, PhD., doc. MUDr. Dalibor Kolesár, PhD., MDDr. Mirela Rozprávková, PhD., MDDr. Dominika Ostrica Čakurdová

Date of last modification: 09.03.2026

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: SK/ ASvZL-ZL5/25	**Course name:** Anesthesia and Sedation in Dentistry

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

Number of ECTS credits: 2

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities: SK/PKZL-ZL5-1/25

Conditions for course completion:
Completion of 100% participation in practical exercises and lectures
Continuous review with a record of assessment during clinical teaching
Passing a test from lectures with a minimum rating of 60%.
Final test with a grade of at least 60%.
The interim assessment for each subject will be registered in AIS. During the practical exercises, the student is evaluated by the teacher, each continuous evaluation is recorded in the AIS. The evaluation of the final test for the lectures will be recorded in AIS. The minimum threshold for meeting the conditions for passing the test for lectures is 60%.
The minimum threshold to meet the conditions for passing the subject is 60%.
List of performances during clinical practice:
Comprehensive examination of the oral cavity and facial area of an adult patient and proposal of a treatment plan
10
infiltration anesthesia 10 block anesthesia 10
assistance during a surgical procedure supplementing the endodontic treatment of teeth 5 decapsulation - possibly assistance 5
equalization of the alveolar bone - or assistance 2 intraoral incision - also assistance 5
suture of the extraction wound 2 extractions of single-rooted teeth 5 extractions of multi-rooted teeth 5 description of x-ray images: 10

Learning outcomes:
The graduate learns the correct procedure for taking an anamnesis and examining a patient, various techniques of topical and local anesthesia used in dentistry, learns to decide on the indications and contraindications of tooth extractions and the treatment of complications.

Brief outline of the course:
Anamnesis and examination of the patient, medical documentation. Local anesthesia in the orofacial area - anesthetics, indications and contraindications for administration of individual types of anesthetics, method of application. Complications of local anesthetic administration. Tooth extractions - extraction technique, complications during and after tooth extraction. Healing of

extraction wounds and its complications. Surgical procedures supplementing endodontic treatment of the tooth. Replantation and tooth transplantation. Third molar surgery.

Recommended literature:
Jenča, A. a kol. : Atlas chorôb ústnej dutiny a orofaciálnej oblasti, I. diel, 2007
Hrušák, D.,: Stomatochirurgie. Current media, 2017
Professional, scientific and domestic foreign magazines and books.

Course language:
english

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: Dr.h.c. prof. MUDr. Andrej Jenča, CSc., MPH, MDDr. Jozef Jendruch, MUDr. Andrej Jenča, PhD., MBA, MUDr. Adriána Petrášová, PhD., MDDr. Adriána Mičková, MDDr. René Koudelka, MUDr. Milan Bereš, PhD., MPH, MDDr. Vladislava Šaková, MDDr. Filip Lukáč, MDDr. Rastislav Bobuľa, MDDr. Mária Verčimák Cuľbová, MDDr. Karolina Kamila Glińska, MUDr. Vladimíra Schwartzová, PhD., MPH, MUDr. Igor Kopsa, MDDr. Andrea Horváthová, MDDr. Dominika Ivančáková, MDDr. Martina Semanová, MDDr. Tomáš Klabník, MUDr. Peter Badanič

Date of last modification: 19.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULCHBKB/BCHM-ZL5/25	**Course name:** Bioorganic Chemistry

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

Number of ECTS credits: 1

Recommended semester/trimester of the course: 2.

Course level: I.II.

Prerequisities:

Conditions for course completion:
seminars, lectures; more details: https://www.upjs.sk/lekarska-fakulta/en/department/medical-and-clinical-biochemistry/education/subjects/general-medicine/

Learning outcomes:
The graduate knows the structures and functions of selected organic and bioorganic molecules that participate in chemical processes taking place in living systems, which leads to a better understanding of the functions of the whole organism. Bioorganic chemistry is the chemical basis for mastering and properly understanding medical biochemistry, which is its superstructure and also forms the theoretical basis of several medical disciplines.

Brief outline of the course:
Organic compounds (e.g. hydrocarbon derivatives, carboxylic acids. Structure and biochemically significant reactions of organic compounds. Heterocyclic compounds. Saccharides. Lipids and steroids. Nucleic acids. Amino acids and peptides. Proteins - structure and function. Natural substances - e.g. vitamins, alkaloids. More details: https://www.upjs.sk/lekarska-fakulta/en/department/medical-and-clinical-biochemistry/education/subjects/general-medicine/

Recommended literature:
Mareková M. et al.: Lectures, 2021; https://portal.lf.upjs.sk/articles.php?aid=250
Stupák M. et al.: Medical Chemistry - "Hand book", 2020; https://portal.lf.upjs.sk/articles.php?aid=69
Urban P. et al.: Chemistry - Repetitorium, 2017; https://portal.lf.upjs.sk/articles.php?aid=236
Stupák M. et al.: Medical Chemistry - Calculation, 2017; https://portal.lf.upjs.sk/articles.php?aid=232
Országová Z. et al.: Medical Chemistry, 2008

Course language:
english

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: prof. RNDr. Vladimíra Tomečková, PhD., doc. RNDr. Marek Stupák, PhD., RNDr. Jana Mašlanková, PhD.

Date of last modification: 08.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ULCHBKB/CHDM-ZL5/25	**Course name:** Chemistry of Dental Materials

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

Number of ECTS credits: 5

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:
lectures, seminars, practical exercise, exam;
more details: https://www.upjs.sk/lekarska-fakulta/en/department/medical-and-clinical-biochemistry/education/subjects/dental-medicine/

Learning outcomes:
The graduate acquires knowledge of general, inorganic and physical chemistry. Knows the importance of acid-base properties of substances, as well as energetic processes and understands the laws of the course of chemical reactions. Knows the structures and functions of metals and their alloys, ceramic, macromolecular and polymeric substances used in dentistry. The acquired knowledge will contribute to a better understanding of the composition, functions and properties of dental materials, which are the necessary theoretical basis for their subsequent correct application in dentistry.

Brief outline of the course:
Properties of dispersion systems and biological significance of water. Solutions (preparation, concentration, dilution - calculations). Acids, bases and salts, pH calculation. Buffers systems and the Henderson-Hasselbalch equation. Laws of the course of chemical reactions (kinetics, equilibrium, precipitation, thermodynamics). Electrochemistry (oxidation-reduction reactions, electrolysis, galvanic cell). Metals and their properties (crystalline lattices of metals, electrochemical voltage series of metals). Alloys and their properties (phase diagrams, eutectic point, corrosion). Amalgams (composition, structure, solidification reactions). Selected alloys used in dentistry (steel, Au and Ti alloys). Ceramic materials (composition and properties, dental cements and porcelains). Model materials. Impression materials. Polymers and macromolecular substances. Chemical composition of teeth.

Recommended literature:

Course language:
slovak

Notes:

Course assessment
Total number of assessed students: 41

A	B	C	D	E	FX
2.44	4.88	31.71	36.59	21.95	2.44

Provides: doc. Ing. Katarína Dubayová, PhD., doc. Ing. Beáta Hubková, PhD., RNDr. Jana Mašlanková, PhD.

Date of last modification: 08.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ULI/ PVO-ZL5/25	**Course name:** Clinic Software

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

Number of ECTS credits: 1

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Completion of practical courses
Detailed conditions for completing the course are updated annually on the AiS2 electronic bulletin board and on the website of the Institute of Medical Informatics and Simulator Medicine, UPJŠ LF in Košice

Learning outcomes:
The student demonstrates basic computer and legislative literacy and the ability to communicate by electronic means.
He/she learns and expands his/her knowledge of outpatient and hospital information systems, their use in communication with health insurance companies and other institutions of the public health system.

Brief outline of the course:
Reporting of services within public health insurance. Protection of personal data. Prescribing medicines and drugs. Legislative foundations of medical documentation. Software communication between medical facilities

Recommended literature:
Finkbeiner, Betty Ladley, and Finkbeiner, Charles Allan. Practice Management for the Dental Team. St.
Louis: Elsevier, 2019, 400 pages, ISBN 978-0323597661.
Hanks, Brian D. How to Buy a Dental Practice: A Step-by-Step Guide to Finding, Analyzing, and Purchasing the Right Practice for You. Independently Published, 2017, 248 pages, ISBN 978-1545405094.
Killeen, Addison, Gross, Ryan, and Carroll, Kristin. Dental Marketing Manual: The Comprehensive Guide to Marketing for Your Dental Practice. Independently Published, 2022, 294 pages, ISBN 978-1737914301.
Lanier, Jerry. The Entrepreneur Dentist: How to Exit Your Dental Business Rich. Austin: Greenleaf Book Group, 2018, 240 pages, ISBN 978-1626344952.
Trutter, Stephen, Amos, Jayme, and Packard, Bryan. The Startup Dentist: The Definitive Guide to Starting a Successful Dental Practice From Idea to Opening Day. Independently Published, 2022, 310 pages, ISBN 978-0998972228.

Course language:
slovak

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: doc. Ing. Jaroslav Majerník, PhD.

Date of last modification: 16.12.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: SK/ DTP-ZL5/25	**Course name:** Dental Technologies and Devices

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

Number of ECTS credits: 3

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities: ULCHBKB/CHDM-ZL5/25

Conditions for course completion:
Completion of 100% participation in practical exercises and lectures.
Ongoing monitoring with evaluation record during clinical practice.
Passing a test from lectures with a minimum rating of 60%.
Final test with a grade of at least 60%.
The interim assessment for each subject will be registered in AIS. During the practical exercises, the student is evaluated by the teacher, each continuous evaluation is recorded in the AIS. The evaluation of the final test for the lectures will be recorded in AIS. The minimum threshold for meeting the conditions for passing the test for lectures is 60%.
The minimum threshold to meet the conditions for passing the subject is 60%.

Learning outcomes:
The graduate acquires knowledge of materials used in dentistry in the field of conservation dentistry and endodontics. These are materials used for the treatment of dental caries and materials used in the endodontic treatment of devital teeth, teeth with the dental pulp inflammatory diseases.
The graduate acquires knowledge of materials used in dentistry in the field of dental prosthetics. These are materials used in prosthetic dental treatment with a fixed or removable prosthesis, materials used in TMJ rehabilitation. They will get acquainted with the working procedures of making prosthetic works

Brief outline of the course:
Materials used in conservative dentistry: fillers, pads and to maintain the vitality of the dental pulp. Preparations for determining the vitality of the dental pulp. Root filling materials . Biomaterials, their properties and using in medicine. Devices in dentistry, their using properties, technical handling and safe use.
Distribution of prosthetic materials: own prosthetic materials (metal alloys, porcelain, resins), imprint materials. Gypsum - composition, properties, using indications . Waxes - composition, using indications . Putties. Materials used for the treatment and polishing of metals. Auxiliary materials used in the manufacture of dental prostheses. Principles of metal casting, resin and porcelain processing. Biomaterials, their properties and use in medicine. Prosthetics devices in dentistry , properties of their use, technical handling, safe use.

Recommended literature:

Clinical Applications for Dental Assistants and Dental Hygienists, 2nd Edition
Mazánek. J., a kolektiv: Zubní lékařství Propedeutika 2014
Professional, scientific and domestic foreign magazines and books.

Course language:
english

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: MDDr. Naďa Homzová, MDDr. Zuzana Minarčiková, MDDr. Andrea Sinčák Konečná, PhD., MDDr. Andrea Horváthová, MDDr. Kacper Maciej Zatorski

Date of last modification: 14.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: CJP/ LFAJZ/09	**Course name:** English Language for Dental Medicine

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

Number of ECTS credits: 2

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Active participation (2x90 min. absences tolerated)
2 tests (6th/7th week, 12th/13th week), no retake. Oral presentation (pass/fail evaluation). E-course (lms.upjs.sk).
Students must obtain 60% in continuous assesssment to be elligible for the final exam registration.
Exam - final exam test
Final evaluation = continuous assessment results - 50% , final exam test result - 50%.
Grading scale: A 93-100 %, B 85-92 %, C 77-84 %, D 69-76 %, E 60-68 %, FX 59% and less.

Learning outcomes:
The development of students´ language skills - reading, listening, speaking, improvement of their linguistic competence - students acquire knowledge of selected phonological, lexical and syntactic aspects, development of pragmatic competence - students acquire skills for efective and purposeful communication, with focus on Academic English and English for specific/professional purposes - Dental Medicine, level B2.

Brief outline of the course:
P.J.Šafárik University.
History of dentistry.
Dental specialties.
Anatomy of the oral cavity, human dentition, dentition types, anomalies.
Toothache. Carries and dental disease. Gum disease.
Dental practice - dental unit, equipment, instruments.
Oral hygiene.
Selected aspects of functional grammar - defining, classifying, expressing opinion, expressing function/role.
Presentation skills - sign-posting language, structure of presentation, discussion participation, etc.

Recommended literature:
Glendinning, E. H., Howard,R. : Professional English in Use – Medicine, CUP, 2007.
Studzińska-Pasieka, K., Otto, M.: Open your English wider. English for dental professionals. Bestom DENTOnet.pl, Poland, 2011.

Dostálová, T., Seydlová, M.: Dentistry and Oral Disease for Medical Students. Grada Publishing, a.s., 2010.
http://www.bbc.co.uk/worldservice/learningenglish

Course language:
English language level B2 according to CEFR

Notes:

Course assessment
Total number of assessed students: 649

A	B	C	D	E	FX
30.2	21.42	18.03	13.87	12.63	3.85

Provides: Mgr. Zuzana Kolaříková, PhD.

Date of last modification: 17.09.2025

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: Dek. LF UPJŠ/ZV/24	**Course name:** Foundations of Mindfulness

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

Number of ECTS credits: 2

Recommended semester/trimester of the course: 1., 3.

Course level: I.II., II.

Prerequisities:

Conditions for course completion:
• Attendance and active participation: min. 80% of classes attended
• Practice diary: 1–2 entries per week
• Final reflection / essay (max. 1500 words): What did I get from the course?
• Final exam: oral examination of knowledge on mindfulness theory and practice

Learning outcomes:
• Introduce students to the principles of mindfulness and its scientific basis.
• Teach basic mindfulness techniques (breath, body, emotions, thoughts).
• Develop the ability to self-observe and regulate stress.
• Demonstrate the application of mindfulness in clinical practice (with oneself, with patients, in a team).
• Promote mental resilience and prevent burnout.

Brief outline of the course:
1. Introduction to mindfulness
2. Mindfulness and our body
3. Working with breath
4. Observing the thoughts
5. Emotions and self-compassion
6. Mindfulness in daily life
7. Mindfulness and communication
8. Stress and coping with pressure
9. Mindfulness in clinical practice
10. Burnout and its prevention
11. Practice of mindfulness and obstacles connected with it
12. Final integration

Recommended literature:
• Kabat-Zinn, J.: Wherever You Go, There You Are
• Segal, Williams, Teasdale: Mindfulness-based Cognitive Therapy
• Goleman & Davidson: Altered Traits
• Siegel, R.: The Mindfulness Solution

• Baer, R.: Mindfulness-Based Treatment Approaches

Course language:
English

Notes:

Course assessment
Total number of assessed students: 43

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	83.72	0.0	0.0	0.0	0.0	16.28

Provides:

Date of last modification: 03.09.2025

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: SK/ ZOCH-ZL5/25	**Course name:** Fundamentals of Oral Surgery

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

Number of ECTS credits: 3

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Completion of 100% participation in practical exercises and lectures
Continuous review with a record of assessment during clinical teaching
Passing a test from lectures with a minimum rating of 60%.
Final test with a grade of at least 60%.
The interim assessment for each subject will be registered in AIS. During the practical exercises, the student is evaluated by the teacher, each continuous evaluation is recorded in the AIS. The evaluation of the final test for the lectures will be recorded in AIS. The minimum threshold for meeting the conditions for passing the test for lectures is 60%.
The minimum threshold to meet the conditions for passing the subject is 60%.

Learning outcomes:
The graduate of the course acquires detailed theoretical knowledge and practical skills related to endodontics and dental prosthetics. Understands the basic work procedure for making dental restorations. The graduate of the course will master the impression technique, and can use the acquired theoretical knowledge when working on models and phantoms.

Brief outline of the course:
Inlays and onlays. Basics of gnathology. Content of the prosthetic part of propaedeutics. The roles of dental prostheses and the importance of replacing missing teeth with prosthetic works. . Biological factor. Division and classification of dental defects - according to Wild Voldřich and according to Kennedy. Classification of prosthetic replacements and their biodynamics. Prosthetic instruments and devices used in the clinic used for making models in the laboratory. Devices for processing metal alloys. Preparation of teeth for crown replacements. Cast metal crown. Non-metallic crowns. Pivot superstructure. Work procedures for making a fixed bridge in the maxilla and mandible.

Recommended literature:
Banerjee, Watson: Pickard's Manual of Operative Dentistry, 2011, Oxford University PressISBN-13: 978-0199579150
Scheid R.C.: Woelfel's Dental Anatomy: Its Relevance to Dentistry, 2011, Lippincott Williams & Wilkins, ISBN-13: 978-1608317462
Zeman, M., Krška, Z., kolektív: Chirurgická propedeutika Grada, 2011
Mazánek. J., a kolektiv: Zubní lékařství Propedeutika 2014

Goran, K., Pediatric Dentistry. John Wiley & Sons 2016
Angus, C., Cameron, I., Richard, P.,:Handbook of Pediatric Dentistry. Elsevier Health Sciences 2021,
Professional, scientific and domestic foreign magazines and books.

Course language:
english

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: MUDr. Michaela Michalik, PhD., MPH, MBA, MDDr. Zuzana Salak Schwartzová, PhD., MPH, MDDr. Zuzana Slebodníková Švecová, MDDr. Lenka Soták Benedeková, MDDr. Naďa Homzová, MDDr. Simona Svatková, MDDr. Andrea Sinčák Konečná, PhD., MDDr. Jaroslav Ďurica, MDDr. Mária Futejová, MDDr. Natália Sokolová, MUDr. Adriána Petrášová, PhD., MDDr. Sofia Mikolajová

Date of last modification: 14.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULBL/ GRMZL-ZL5/25	**Course name:** Genetics and Regenerative Medicine in Dentistry

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

Number of ECTS credits: 3

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities:

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

Learning outcomes:
To introduce the basic concepts of cell biology, including cell structure, macromolecules, genetics, molecular biology, development and cell communications. 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 cell and molecular biology and have obtainined basic information related to genetics and molecular biology methods in clinical practice.

Brief outline of the course:
Mutations - classification of mutations, mechanisms of mutagenesis. The gene mutations and inherited pathological traits in man. Chromosomal aberrations, aneuploidy, polyploidy, chromosomal aberrations in human diseases. Mendelian inheritance, historical overwiev, general characteristics, Mendel´s laws of inheritance. X-linked inheritance, Lyon hypothesis. Gene linkage. Immunogenetics, general features, structure and function of antigens and antibodies, immune response, transplantation genetics. HLA system, blood group systems. Population genetics, Hardy-Weinberg law, population equilibrium, panmixis, inbreeding, genetic drift, eugenics, euphenics. Human genetics – genealogy, genetics of twins. Variability of gene expression, genetic polymorphism. Carcinogenesis, molecular biology methods in cancer diagnostics. Cell signalling pathways and molecular targeted therapy. Molecular biology methods and their application in clinical practice. Genomics and medicine. Ethical issues in human genetics.

Recommended literature:
Slabá, E. a kol.: Lekárska biológia a genetika, ŠafárikPress, Košice 2023, 352 s.
Slabá, E. a kol.: Biológia – Praktické cvičenia, ŠafárikPress, Košice 2020, 164 s.
Sršeň,Š., Sršňová,K.: Základy klinickej genetiky a jej molekulárna podstata, Osveta, Martin 2005, 446 s.

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: prof. RNDr. Ján Šalagovič, PhD., RNDr. Jozef Židzik, PhD., RNDr. Helena Mičková, PhD., RNDr. Terézia Hudáková, PhD., doc. RNDr. Peter Solár, PhD., doc. RNDr. Martina Šemeláková, PhD., RNDr. Pavol Harvanik, prof. RNDr. Janka Vašková, PhD.

Date of last modification: 08.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KGER/ LFNJZ/09	**Course name:** German Language for Dental Medicine

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

Number of ECTS credits: 2

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Active participation in class and completed homework assignments. Students are allowed to miss 2 classes at the most (2x90 min.). 2 control tests during the semester, written assignments and academic presentation (PPP). Final grade will be calculated as follows: A 93-100 %, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64 % and less.

Learning outcomes:
The development of students´ language skills - reading, writing, listening, speaking, improvement of their linguistic competence - students acquire knowledge of selected phonological, lexical and syntactic aspects, development of pragmatic competence - students can efectively use the language for a given purpose, with focus on Academic German and German for specific/professional purposes - Dental Medicine, level B1.

Brief outline of the course:
The terminology and phraseology of medicine and nursing. Grammar and communication skills: oral expression and listening: communication techniques, tools and methods of communication, methods for solving the conflicts in communication, reading with comprehension - textbook and authentic texts. Medical dictionaries. Signs of German technical texts. Medicine in the media.

Recommended literature:
Györffy, Mária: Deutsch für Mediziner: Eine praktische Hilfe für Ärzte, Zahnärzte, Medizinstudenten und Krankenschwestern im Umgang mit deutschsprachigen Patienten. Passau: Schenk, 2007.
Atlas der Anatomie. Langenscheidt 2000. Dreyer/Schmitt: Lehr-und Ubungsbuch der deutschen Grammatik. Neubearbeitung. Hueber Verlag 2008.
Caspar: Medizinische Terminologie. Lehrund Arbeitsbuch. Thieme Verlag 2007
Deutsch im Krankenhaus. Lehr- und Arbeitsbuch. Langenscheidt. 1994
Kommunikation in sozialen und medizinischen Berufen. Fraus 2003

Course language:
German

Notes:

Course assessment
Total number of assessed students: 34

A	B	C	D	E	FX
79.41	17.65	2.94	0.0	0.0	0.0

Provides: Mgr. Ulrika Strömplová, PhD.

Date of last modification: 12.07.2022

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UHE/ HE-ZL5-1/25	**Course name:** Histology and Embryology 1

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

Number of ECTS credits: 4

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Requirements for completion of subject
1. Student has to attend all practical lessons (100%).
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
https://www.upjs.sk/app/uploads/sites/9/2025/09/Podmienky-HE1-ZL-1.pdf

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

Brief outline of the course:
Histologic technic; Cytology; Epithelial tissue; Connective tissue proper; Cartilage; Bone; Ossification; Blood - hemopoiesis and bone marrow; Muscle tissue; Nervous tissue; Embryology - blastogenesis and early organogenesis.
https://www.upjs.sk/app/uploads/sites/9/2025/09/Sylabus-HE1-ZL.pdf

Recommended literature:
Literatúra:
1. Domoráková I. a kol.: ZÁKLADY HISTOLÓGIE I - Učebnica a mikroskopický atlas buniek a tkanív, elektronická učebnica, https://doi.org/10.33542/ZH1-0226-8, 2023
2. Tóth Š. a kol.: Histológia a embryológia 1 pre študentov Zubného lekárstva, súbor prednášok, https://portal.lf.upjs.sk, 2024
3. Domoráková I. a kol.: Vybrané kapitoly z histológie pre odbor zubného lekárstva - Učebnica a mikroskopický atlas, https://portal.lf.upjs.sk, 2019
4. Domoráková I. a kol.: Mikroskopická anatómia pre odbor zubného lekárstva – Vybrané kapitoly, 2018
5. Vajner L. a kol.: Lékařská histologie I. – Cytologie a obecná histologie, 2018

6. Mesher A.L.: Junqueirovy Základy histologie, 2018
7. Mechírová E. a Domoráková I.: Praktikum z histológie: (Pracovný protokol aktuálne vydanie), 2020
8. Kapeller K. a Pospíšilová V.: Embryológia človeka, 1991
https://www.upjs.sk/app/uploads/sites/9/2025/09/Literatura-HE1-ZL.pdf

Course language:
Slovak

Notes:

Course assessment
Total number of assessed students: 41

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
0.0	43.9	9.76	17.07	17.07	7.32	4.88

Provides: doc. MVDr. Štefan Tóth, PhD., MVDr. Zuzana Fagová, PhD., MVDr. Viera Eliášová, RNDr. Kristína Čurgali, PhD., MVDr. Katarína Hajovská, PhD., MVDr. Monika Holodová, PhD., MUDr. Alexandra Kunová, RNDr. Henrieta Abdi

Date of last modification: 12.09.2025

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: UHE/ HE-ZL5-2/25	**Course name:** Histology and Embryology 2

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

Number of ECTS credits: 5

Recommended semester/trimester of the course: 2.

Course level: I.II.

Prerequisities: UHE/HE-ZL5-1/25

Conditions for course completion:
Requirements of HE2 during semester:
1. Student has to attend all practical lessons (100%).
2. Control tests – average minimum 60%
3. Final slide test in 14th week of semester - minimally 60%.
Final exam of HE2 consists:
A. Final written test - minimum 60%.
https://www.upjs.sk/app/uploads/sites/9/2026/02/ZL-HE2-podmienky-1.pdf

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

Brief outline of the course:
Cardiovascular system, Lymphatic system, Upper respiratory system, Digestive system: oral cavity, pharynx, oesophagus, Placenta, Endocrine system, Central and peripheral nervous system, Sensory organs, Embryology - general embryology, organogenesis.
https://www.upjs.sk/app/uploads/sites/9/2026/02/ZL-HE2-Sylabus-1.pdf

Recommended literature:
Domoráková I. a kol. ZÁKLADY HISTOLÓGIE II – Učebnica a atlas mikroskopickej anatómie orgánov, elektronická učebnica, https://zenodo.org/records/10678129, 2023
Tóth Š. a kol. Histológia a embryológia 2 pre študentov zubného lekárstva, súbor prednášok, https://portal.lf.upjs.sk, 2025
Domoráková I. a kol. Vybrané kapitoly z histológie pre odbor zubného lekárstva - Učebnica a mikroskopický atlas, https://portal.lf.upjs.sk, 2019
Domoráková I. a kol. Mikroskopická anatómia pre odbor zubného lekárstva – Vybrané kapitoly
Vajner L. a kol. Lékařská histologie II. – Mikroskopická anatomie, 2017
Mesher A.L. Junqueirovy Základy histológie, 2018

Mechírová E. a Domoráková I. Praktikum z histológie: (Pracovný protokol aktuálne vydanie), 2020 Kapeller K. a Pospíšilová V. Embryológia človeka, 1991
https://www.upjs.sk/app/uploads/sites/9/2026/02/ZL-HE2-Literatura-1.pdf

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: doc. MVDr. Štefan Tóth, PhD., MUDr. Alexandra Kunová, MVDr. Zuzana Fagová, PhD., MVDr. Viera Eliášová

Date of last modification: 02.02.2026

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: SK/ PPxSCH-ZL5/25	**Course name:** Holiday Practice and Care for the Sick

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

Number of ECTS credits: 2

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities:

Conditions for course completion:
earning credits based on performances
1. Casting anti-bite and study impressions with plaster II. type – 5x.
2. Casting and processing impressions with extendable pins (PIN-DEX system) - plaster III. and IV. type - at least 2x in cooperation with a dental technician.
3. Modeling simpler pillar constructions from wax and cementing them - method of lost wax in cooperation with a dental technician (minimum 2x), casting of models.
4. Faceting of cast and machined fixed crowns and bridges with special resins (K+B, photocomposite systems) under the guidance of a dental technician (minimum 1x).
5. Processing and polishing of finished fixed works before handing over to the patient (minimum 3 times).
6. Duplication of models (including unblocking of underrunning spaces) during production ČSN (minimum 1x).
7. Preparation of shellac plates and wax rolls as part of the work procedure in the removable room prosthetics (minimum 2x).
8. Work with an articulator - fixing working models, building teeth at ČSN and TN (at least 2x).
9. Laboratory completion of restorations - cuvetization of wax restorations, washing out of wax, resin dough pressing, polymerization, processing and polishing of finished ČSN and TN (minimum 1x ČSN and 1x TN).
The listed 9 basic laboratory procedures are mandatory
Other - optional laboratory procedures according to the level of laboratory equipment include metal ceramics, ceramics of the Zircon and Turkom-Cera type, vertical and horizontal retention ČSN systems (plug-in joints, support calipers, telescopic crowns), preliminary and definitive analysis of models in the planning and construction of ČSN with a metal frame, repairs
fixed and removable restorations, atypical solutions of total restorations (hybrid restorations) and similarly in a demonstration form.

Learning outcomes:

The graduate will gain practical knowledge and verify theoretical knowledge in the dental technology clinic, get to know the work of dental technicians and master individual work procedures in the production of all types of dental prostheses.

Brief outline of the course:
Organization of work in a dental laboratory, principles and function of individual devices. Casting plaster casts, processing plaster models. Modeling of individual types of crowns and bridges. Sealing to the core. Processing of metal structures, bridges. Work procedures for partially removable and total restorations. The importance of working with different types of articulators for high-quality dental restorations. Definitive processing of partial and total removable restorations.

Recommended literature:

Course language:
english

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: 18.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULM/I-ZL5/25	**Course name:** Immunology in Dentistry

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

Number of ECTS credits: 4

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities: ULBL/LB-ZL5/25

Conditions for course completion:
test
examination

Learning outcomes:
Overview of the structure, mechanisms and function of immune system.

Brief outline of the course:
Cells of immune system. Function of T and B lymphocytes. NK cells. Myeloid cells. Structure and function of lymphoid organs. Mucosal immune system. Major histocompatibility system. Antigens, immunoglobulins, cytokines, adhesive molecules. Regulation of immune response. Immunopathological reactions I, II, III, IV. Anticancer immunity. Autoimmunity. Immunodeficiency.

Recommended literature:
Stites, D.P.: Medical Immunology

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. Marián Sabol, CSc., Dr.h.c. prof. MUDr. Leonard Siegfried, CSc., MVDr. Vladimír Hrabovský, PhD., Mgr. Mária Nagyová, Ing. Viera Lovayová, PhD., doc. RNDr. Katarína Čurová, PhD.

Date of last modification: 08.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: ULCHBKB/LB-ZL5-1/25	**Course name:** Medical Biochemistry 1

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

Number of ECTS credits: 4

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities:

Conditions for course completion:
lectures, seminars, practical exercises, exam; more details: https://www.upjs.sk/lekarska-fakulta/en/department/medical-and-clinical-biochemistry/education/subjects/dental-medicine/

Learning outcomes:
In the medical study, medical biochemistry plays an irreplaceable role, which is to teach students to perceive life processes as events taking place at the molecular level. The graduate masters the course of biochemical processes, is able to distinguish pathological processes from physiological processes at the level of reactions taking place in the cell. It perceives biochemical reactions in the cell as part of metabolism and understand the regularities of metabolism regulation.

Brief outline of the course:
Enzymes and their role in metabolism (e.g. kinetics of enzymatic reactions, coenzymes – the structure and function). Intermediary metabolism – cell biochemistry (e.g. macroergic compounds, respiratory chain, the citric acid cycle, oxidation stress). Metabolism of saccharides (e.g. oxidative decarboxylation of pyruvate, glycolysis, gluconeogenesis, metabolism of glycogen). Degradation and synthesis of triacylglycerols and fatty acids. Metabolism of phospholipids, leukotrienes, cholesterol, lipoproteins. Disorders of metabolism saccharides and lipids. Genetic material and replication of DNA. Transcription and proteosynthesis, Regulation of gene expression. Oxidation stress.
More details: https://www.upjs.sk/lekarska-fakulta/en/department/medical-and-clinical-biochemistry/education/subjects/dental-medicine/

Recommended literature:
Mareková M. et al.: Medical Biochemistry – Lectures for Dental Medicine students, 2021
https://portal.lf.upjs.sk/articles.php?aid=39
Ferrier D.: Biochemistry, 7th edition (Lippincott Illustrated Reviews), 2021
Mašlanková J. et al.: Practical exercises from Medical Biochemistry for students of Dental Medicine
https://portal.lf.upjs.sk/articles.php?aid=93
Mareková M. et al.: Seminars from medical biochemistry, 2013
Rodwell V. et al.: Harper´s Illustrated Biochemistry, 31st edition, 2018

Salway J. G.: Metabolism at a Glance, 2017

Course language:
slovak

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: doc. RNDr. Marek Stupák, PhD., doc. Ing. Katarína Dubayová, PhD., prof. Ing. Mária Mareková, CSc., doc. Mgr. Peter Urban, PhD., doc. Ing. Beáta Hubková, PhD., RNDr. Ivana Tóthová, PhD., RNDr. Jana Mašlanková, PhD.

Date of last modification: 27.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULCHBKB/LB-ZL5-2/25	**Course name:** Medical Biochemistry 2

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

Number of ECTS credits: 5

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities: ULCHBKB/LB-ZL5-1/25

Conditions for course completion:
lectures, seminars, practical exercises, exam; more details: https://www.upjs.sk/lekarska-fakulta/en/department/medical-and-clinical-biochemistry/education/subjects/dental-medicine/

Learning outcomes:
The graduate will understand the course of biochemical processes of physiological life processes as events taking place in individual organs and tissues of man. He can distinguish basic pathological processes from physiological processes, while he perceives biochemical processes in individual organs and tissues as a part of cellular metabolism. The graduate masters the laws of biochemical regulation of metabolism and learns the basics of clinical-biochemical diagnostics.

Brief outline of the course:
Metabolism of amino acids (e.g. ammonia formation and urea synthesis, biosynthesis of catecholamines). Metabolism of nucleotides. Intermediary metabolism relationships. Nucleic acids (e.g. replication, transcription, translation). Chemical communication in living systems (e.g. homrmones). Biochemistry of blood. Pathobiochemical processes in cells. Metabolism of foreign compounds. Composition and chemistry of bones and teeth. Mineralization and demineralization of teeth. Metabolic specifity of teeth (e.g. dental plaque, calculus, caries). Saliva composition and its role. Biochemical processes in oral cavity. Introduction to clinical biochemistry.
More details: https://www.upjs.sk/lekarska-fakulta/en/department/medical-and-clinical-biochemistry/education/subjects/dental-medicine/

Recommended literature:
Mareková M.: Medical Biochemistry – Lectures for Dental Medicine students, 2021
https://portal.lf.upjs.sk/articles.php?aid=39
Mareková M. et al.: Seminars from medical biochemistry, 2013
Ferrier D.: Biochemistry, 7th edition (Lippincott Illustrated Reviews), 2017
Mašlanková J. et al.: Practical exercises from Medical Biochemistry for students of Dental Medicine
https://portal.lf.upjs.sk/articles.php?aid=93
Rodwell V. et al.: Harper´s Illustrated Biochemistry, 31st edition, 2018
Salway J.G.: Medical Biochemistry at a Glance (Wilex/Blackwell), 2012

Course language:
slovak

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: prof. Ing. Mária Mareková, CSc., doc. Ing. Katarína Dubayová, PhD., doc. RNDr. Marek Stupák, PhD., doc. Mgr. Peter Urban, PhD., doc. Ing. Beáta Hubková, PhD., RNDr. Jana Mašlanková, PhD., doc. RNDr. Beáta Čižmárová, PhD., doc. MUDr. Anna Birková, PhD., prof. RNDr. Vladimíra Tomečková, PhD.

Date of last modification: 27.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULBL/ LB-ZL5/25	**Course name:** Medical Biology

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

Number of ECTS credits: 4

Recommended semester/trimester of the course: 2.

Course level: I.II.

Prerequisities:

Conditions for course completion:
For the successful completion of the subject, as "prerequisite for registration" in the follow-up subject Biology 2, it is necessary:
100% active participation in all practical lessons
For successful completion of the subject, as "prerequisite for completion of the subject" Biology 2, it is necessary:
obtaining at least 60% from each test

Learning outcomes:
To introduce the basic concepts of cell biology, including cell structure, macromolecules, genetics, molecular biology, development and cell communications. 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 cell and molecular biology and have obtained basic information related to genetics and molecular biology methods in clinical practice.

Brief outline of the course:
Molecular Biology – common characteristics of biopolymers, the structure and function of saccharides and lipids, amino acids, polypeptides, proteins, primary, secondary, tertiary and quaternary structure of protein molecules, function of proteins. Nucleic acids, primary structure of DNA and RNA, their genetic function. Cell structure – prokaryotic and eukaryotic cells. Membrane cell organelles, their structure and function, plasmatic membrane, membrane receptors. General characteristic of biomembranes, molecular structure of biomembranes; movement of molecules through the membrane, active and passive transport, protein membrane channels, endocytosis, exocytosis. Replication of DNA. Structure of eukaryotic chromosome, human karyotype. Cell reproduction, cell cycle, control of cell cycle, mitosis. Meiosis, gametogenesis, spermatogenesis, oogenesis. Expression of genetic information, transcription, posttranscriptional processing of mRNA, translation, synthesis of proteins, posttranslation modifications, regulation of gene expression. Application of molecular biology methods in clinical genetics.The basic principles of Epigenetics. Cell differentiation, aging and death of the cells.

Recommended literature:
Slabá, E. a kol.: Lekárska biológia a genetika, ŠafárikPress, Košice 2023, 352 s.
Slabá, E. a kol.: Biológia - Praktické cvičenia, ŠafárikPress, Košice 2020, 164 s.

Sršeň,Š., Sršňová,K.: Základy klinickej genetiky a jej molekulárna podstata, Osveta, Martin 2000, 446 s.

Course language:
Slovak

Notes:

Course assessment
Total number of assessed students: 2

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

Provides: prof. RNDr. Ján Šalagovič, PhD., RNDr. Jozef Židzik, PhD., RNDr. Helena Mičková, PhD., RNDr. Terézia Hudáková, PhD., doc. RNDr. Peter Solár, PhD., RNDr. Pavol Harvanik, RNDr. Lucia Klimčáková, PhD., prof. RNDr. Janka Vašková, PhD., RNDr. Jana Neupauerová, PhD.

Date of last modification: 08.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULBF/ LBF-ZL5/25	**Course name:** Medical Biophysics

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

Number of ECTS credits: 5

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Continuous study achievement is evaluated by the small tests at the practical exercise, study control test from the lecture topics and accepted correct report on the measurement.
Duty attendance minimum 50% at lectures. Even when not participating on the lectures, the student is expected to master the lecture topics at the final exam. The gain at least 60 % from continuous study achievements allowes the student to register for the final examination. The final exam takes place in a written form by the full time. To complete the exam successfully it is necessary to gain at least 60% of points.

Learning outcomes:
Graduates acquire knowledge in the field of the physical laws and mechanisms nature that control the processes within the human body. At the same time students get the knowledge in the area of influence of physical factors on the environment as well as the health of the organism.

Brief outline of the course:
Subatomic, atomic and molecular composition in the oral cavity.
Physical properties of tissues of the human body
The interaction between the particles creating the human body
The interaction of the living matter with non ionizing as well as ionizing electromagnetic radiation, used in both - the therapy and diagnostics
The sources of the own and mediated biosignals
Concrete manifastations of the biophysical mechanisms on the level of subcellular structures, the cells, the tissues and organs of the human body
Physical principles of diagnostic and therapeutic methods used in dentistry.

Recommended literature:
Vojtech MORNSTEIN a kol., lekárska fyzika a biofyzika, muni Press, Brno 2018
L. Navrátil, J. Rosina a kol., Medicínska biofyzika, Grada Publishing, Praha, 2005
I. Hrazdira,V. Mornstein, Lekárska biofyzika a pristrojová technika, Neptun, Brno 2001
Praktické cvičenia z lekárskej biofyziky, M. Legiň, G. Laputková, L. Vojčíková, Ľ. Müller, J. Sabo, Košice, 2010

Course language:

Notes:

Course assessment
Total number of assessed students: 41

A	B	C	D	E	FX
29.27	17.07	14.63	17.07	17.07	4.88

Provides: doc. RNDr. Ján Sabo, CSc., univerzitný profesor, RNDr. Imrich Géci, PhD., RNDr. Michaela Šuliková, PhD., RNDr. Soňa Tkáčiková, PhD., RNDr. Miroslav Marcin, PhD., RNDr. Galina Laputková, CSc.

Date of last modification: 08.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: USL/ LEF-ZL5/25	**Course name:** Medical Ethics and Phylosophy

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

Number of ECTS credits: 2

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Attendance on lectures and seminars to the specified extent, successful completion of a credit test and oral exam.

Learning outcomes:
The student acquires knowledge of ethical dimension and requirements of health care profession, and learns how to recognize principles of medical ethics in solving complicated ethical issues arising during the provision of health care, and specifically in the dental practice.

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

Ethical issues in human genetics and genomics. Genetic testing and preimplantation genetic diagnosis. Gene therapy and genetic manipulation. Ethics of 'designer babies'. Ethical aspects of human cloning. Ethical issues in stem cell research and therapy.

Recommended literature:

LONGAUER, F., PALAŠČÁK, J. a kol. Vybrané kapitoly pre semináre z lekárskej etiky. Košice: UPJŠ v Košiciach, 2003.
FARKAŠOVÁ IANNACCONE, S. a kol. Etické aspekty komunikácie v medicíne. Košice: UPJŠ v Košiciach, 2015.
BOBROV, N. a kol. Tanatológia a humánna tafonómia – etické a právne aspekty. Košice: UPJŠ v Košiciach, 2015.
CIMBOLÁKOVÁ, I. a kol. Výskum v medicíne a etika. Košice: UPJŠ v Košiciach, 2015.
KIMÁKOVÁ, T. a kol. Environment a jeho etické aspekty. Košice: UPJŠ v Košiciach, 2015.
ŠOLTÉS, L., PULLMAN, R. a kol. Vybrané kapitoly z medicínskej etiky. Martin: Osveta, 2008.
KOŘENEK J. Lékařská etika. Praha: Triton, 2004.
PTÁČEK, R., BARTŮNĚK, P. Etika a komunikace v medicíně. Praha: Grada Publishing, a.s., 2011.
PTÁČEK, R., BARTŮNEK, P. a kol. Etické problémy medicíny na prahu 21. století. Praha: Grada Publishing, a.s., 2014.

Course language:
Slovak

Notes:

Course assessment
Total number of assessed students: 41

A	B	C	D	E	FX
82.93	17.07	0.0	0.0	0.0	0.0

Provides: doc. MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Ingrid Nerantzakis, Dr.h.c. prof. MUDr. Andrej Jenča, CSc., MPH, MUDr. Dorota Sopková, PhD., MBA, MUDr. Viktória Briškárová, MUDr. Michaela Pristášová

Date of last modification: 08.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UFZ/ LF-ZL5-1/25	**Course name:** Medical Physiology 1

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

Number of ECTS credits: 4

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities:

Conditions for course completion:
lectures, practical exercises, seminars, exam; more details: https://www.upjs.sk/lekarska-fakulta/en/department/medical-physiology/teaching/subjects/doctoral-studies/

Learning outcomes:
The graduate acquires knowledge about the functions of individual systems in the dynamics of mutual relations with regulatory mechanisms in a healthy person. Learn to diagnose and treat.

Brief outline of the course:
Physiological priciples. Homeostasis. Blood. Respiratory system. Cardiovasclar system Excretory system. Digestive system

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

Course language:
English

Notes:

Course assessment
Total number of assessed students: 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: prof. MUDr. Viliam Donič, CSc., prof. RNDr. Pavol Švorc, CSc., MUDr. Ivana Bačová, PhD., doc. MVDr. Agnesa Lukačínová, PhD., doc. RNDr. Soňa Grešová, PhD., RNDr. Judita Štimmelová, PhD., MUDr. Andrea Brandeburová, PhD., Mgr. Pavol Švorc, PhD., Mgr. Diana Tokárová, PhD., MUDr. Igor Peregrim, PhD., Mgr. Viktória Novotná

Date of last modification: 08.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UFZ/ LF-ZL5-2/25	**Course name:** Medical Physiology 2

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

Number of ECTS credits: 6

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities: UFZ/LF-ZL5-1/25

Conditions for course completion:
lectures, practical exercises, seminars, exam; more details: https://www.upjs.sk/lekarska-fakulta/en/department/medical-physiology/teaching/subjects/doctoral-studies/

Learning outcomes:
The graduate acquires new knowledge about the dynamics of regulatory mechanisms in healthy and sick people, which he compares and processes. He will learn to diagnose and apply appropriate treatment.

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

Recommended literature:
Guyton and Hall Textbook of Medical Physiology 14th Edition
Ganong's Review of Medical Physiology, Twenty sixth Edition 26th Edition (25th, 24th)
Linda S. Costanzo Physiology 6th Edition, (5th, 4th)
Pallayova M. et al.: Textbook of Practical Physiology Part I
Kujanik Š. et al.: Textbook of Practical Physiology Part II

Course language:
English

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: prof. MUDr. Viliam Donič, CSc., prof. MUDr. Mária Pallayová, PhD., prof. RNDr. Pavol Švorc, CSc., MUDr. Ivana Bačová, PhD., doc. MVDr. Agnesa Lukačínová, PhD., doc. RNDr. Soňa Grešová, PhD., RNDr. Judita Štimmelová, PhD., MUDr. Andrea Brandeburová, PhD.,

MUDr. Martina Gáborová, PhD., Mgr. Diana Tokárová, PhD., MUDr. Igor Peregrim, PhD., RNDr. Martin Bona, PhD., MVDr. Barbora Dzugasová, PhD., Stanislav Marusyn, Mgr. Viktória Novotná
Date of last modification: 08.11.2024
Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KKF/ LTM/07	**Course name:** Medical Terminology

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

Number of ECTS credits: 2

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 4853

A	B	C	D	E	FX
13.74	27.06	25.61	18.87	13.97	0.74

Provides: prof. PhDr. František Šimon, CSc., doc. Mgr. Erika Brodňanská, PhD., Mgr. Bc. Dagmar Kušnírová

Date of last modification: 21.09.2025

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: USBM/ MBV-ZL5/25	**Course name:** Methodology of Biomedical Research

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

Number of ECTS credits: 1

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Individual work, course assignment during the semester, presentation of the assignment results before the end of the semester, compulsory participation at practices, final test.

Learning outcomes:
To provide students with basic information on the methodology of biomedical research: concepts, methods and research plans. To teach students to acquire, process and present scientific knowledge. Work with databases, scientific literature. Forms of presentation and scientific communication of research results: scientific article, oral presentation, poster.

Brief outline of the course:
The objectives of science. Ethical aspects of scientific research. The main stages and the basic steps of the research process. Selection and definition of research problems. Defining the concept of variable (categorization and types of variables). Internal and external validity of the experiment. Hypotheses (typology, characteristics, formulating and testing hypotheses). Research designs: experimental, quasi-experimental, non-experimental designs. Sampling (representative / non-representative, probability / non-probability). Overview of the basic research data collection methods: observation, interview, self-reports, biophysiologic measures. The criteria for selection and evaluation of measurement tools (validity, reliability). Communication in the research process (scientific article, oral presentation, poster). Critical evaluation of research reports (reviews, opinions).

Recommended literature:
1. Ferjenčík J. Úvod do metodologie psychologického výzkumu. Portál, Praha 2000
2. Kerlinger F. Základy výskumu chování. Akademie, Praha 1972
3. Maršálová a kol. Metodológia a metódy psychologického výskumu. SPN, Bratislava 1990
4. Rajničová-Nagyová I. Vedecké písanie a publikovanie: Ako napísať vedecký článok, Kritické hodnotenie výskumu. In: Repková K. a kol. Vedecká komunikácia a komunikácia vedy. Inštitút pre výskum práce a rodiny, Bratislava 2008

Course language:
slovak 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: Mgr. Iveta Rajničová Nagyová, PhD., FABMR

Date of last modification: 17.12.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULM/ M-ZL5-1/25	**Course name:** Microbiology 1

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

Number of ECTS credits: 4

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities:

Conditions for course completion:
completion of practical exercises
tests
getting credits

Learning outcomes:
Overview of fundamental characteristics of microorganisms in relation to infections in dentistry. Laboratory diagnosis, therapy and prevention of infectious diseases.

Brief outline of the course:
Classification and basic characteristics of microorganisms with special regard to oral bacteria. Growth and cultivation. Pathogenicity of cariogenic bacteria. Immunity against microbes. Antimicrobial Agents. Immunisation. Laboratory diagnosis of infectious diseases. Normal flora. Staphylococci. Streptococci. Pneumococci. Enterococci. Neisseria.

Recommended literature:
Murray, P.R.: Medical Microbiology.

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: Dr.h.c. prof. MUDr. Leonard Siegfried, CSc., MVDr. Vladimír Hrabovský, PhD., Mgr. Mária Nagyová, MUDr. Marián Marcin, doc. RNDr. Katarína Čurová, PhD.

Date of last modification: 08.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UO/ ZZS-ZL5/25	**Course name:** Nursing Care

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

Number of ECTS credits: 2

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities:

Conditions for course completion:
Successful completion of continuous study reviews and final graded assessment. Detailed conditions for completing the course are annually updated on the electronic bulletin board AiS2 and on the website of the Institute of Nursing. Link to the Conditions for completing the course on the website of the Institute of Nursing https://www.upjs.sk/public/media/8671/absol_ZZS_ZL.pdf

Learning outcomes:
Main aim of nursing care is introduce to the student general knowledge about nursing care and 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.

Brief outline of the course:
Introduction to nursing care. Health care system in Slovakia.Ward unit. Admission, transfer and discharges of patients.Fundamentals of nutritional support.Disinfection, methods and types of disinfection. Sterilisation - methods of sterilisation. Infection Control – Infection process. Hospital acquired infection – Nosocomial infection. Applying binders and bandages. Types of bandages, division of bandages according to purpose.Vital signs.Medications.Types of medications, types of syringes and needles.Parenteral Medications.Injection techniques. Intravenous Infusion. Transfusion. Current legislative standards related to the profession.

Recommended literature:
Basic study literature:
DIMUNOVÁ, L., RAKOVÁ, J., ŠTEFKOVÁ, G.Vybrané kapitoly zo základov zdravotnej starostlivosti. Vysokoškolská učebnica UPJŠ LF, 2017.
TIRPÁKOVÁ, L., SOVÁRIOVÁ SOÓSOVÁ, M. a kol.Ošetrovateľské techniky. Košice: LF UPJŠ, 2016. http://unibook.upjs.sk/image/data/osetrovatelske-techniky-final.pdf
Further study literature:
RAKOVÁ, J. a kol.Dietológia a liečebná výživa II. Košice:UPJŠ, 2019.
https://unibook.upjs.sk/img/cms/2019/LF/dietologia-a-liecebna-vyziva-2.pdf

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: doc. MUDr. Miroslav Gajdoš, CSc., MPH, PhDr. Silvia Danková, PhD., MPH, MBA

Date of last modification: 08.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KFBLR/F-ZL5/25	**Course name:** Physiotherapy

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

Number of ECTS credits: 2

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities:

Conditions for course completion:
https://www.upjs.sk/lekarska-fakulta/vyucbove-zakladne/rehabilitacia/vyucba/predmety/bc/
Prerequisites:
Successful completion of the interim study checks and the final exam.
Continuous assessment (test, independent work): written test
Final assessment (exam): exam, grade A, B, C, D, E, FX.
The final evaluation shall take into account the results of the mid-term evaluation and the final evaluation.

Learning outcomes:
The student knows the basics of functional myoskeletal examination in the orofacial system, is able to practically apply neuromuscular and mobilization techniques in the field, knows the mechanisms of action of physiotherapeutic procedures and the basics of the application of methodologies.

Brief outline of the course:
Modern aspects of physiotherapy and complex rehabilitation. Definition and distribution of physical therapy resources. Effects, indications, contraindications.Examination of the patient and assessment of functions for the purpose of rehabilitation treatment . Movement therapy, mechanotherapy, electrotherapy, phototherapy, thermotherapy. Principles of soft and mobilization techniques Physiotherapeutic agents by type
of energy used and therapeutic objectives. Mobilization and soft techniques in the orofacial area. Fundamentals of kinesiology of the temporomandibular joint, temporomandibular joint and cervicocranial transition
Postisometric relaxation in the orofacial area . Application of neurophysiological methodologies
Rehabilitation of complications after tooth extraction. Rehabilitation in orofacial traumatology Rehabilitation in soft tissue injuries of the orofacial area Basic principles and procedures of rehabilitation. Rehabilitation in injuries of the facial bones, zygomaticomaxillary complex and orbit. Basic principles and procedures of rehabilitation

Recommended literature:
KOLÁŘ, P. a kol.: Rehabilitace v klinické praxi, Galén, Praha, 2009, ISBN 2720-18-02-03.
Navrátil L. a kol.Fyzikální léčebné metody pro praxi , 2019
Beumer, J., Marunick M.T., Esposito S. J. Maxillofacial rehabilitation. 2011, Quintessence Pub

Co; 1 edition, 468 pages, ISBN-13: 978-086715498

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: doc. MUDr. Peter Takáč, PhD., univerzitný profesor, MUDr. Anna Kubincová, PhD., doc. PhDr. Viliam Knap, PhD., MHA, MPH, prof. et doc. PhDr. Magdaléna Hagovská, PhD., MPH

Date of last modification: 08.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: SK/ PKZL-ZL5-3/25	**Course name:** Preclinical Dentistry 3

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

Number of ECTS credits: 4

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities: SK/PKZL-ZL5-2/26

Conditions for course completion:
Completion of 100% participation in practical exercises and lectures.
Ongoing monitoring with evaluation record during clinical training.
Passing a test from lectures with a minimum rating of 60%.
Final test with a grade of at least 60%.
The interim assessment for each subject will be registered in AIS. During the practical exercises, the student is evaluated by the teacher, each continuous evaluation is recorded in the AIS. The evaluation of the final test for the lectures will be recorded in AIS. The minimum threshold for meeting the conditions for passing the test for lectures is 60%.
The minimum threshold to meet the conditions for passing the subject is 60%.
List of procedures during clinical practice:
Comprehensive examination of the oral cavity and facial area of an adult patient and design of a treatment plan (14)
Vital treatment of the dental pulp - direct covering of the dental pulp (5 cases), indirect covering (5 cases), evaluation of radiograms (15 cases).

Learning outcomes:
The graduate acquires knowledge about the origin of dental caries, diagnosis and treatment of dental caries, practical examination of patients, finding out the anamnesis, clinical learning of dental caries diagnosis and treatment indications. It practically treats the patient under the control of the assistant teacher.

Brief outline of the course:
Subject and content of cariology: epidemiology and incidence of dental caries, economic importance of dental caries treatment, patient examination and the importance of anamnesis, file documentation, proper treatment of glass walls, the importance of preventive extension, the importance of the quality of consistency of the filling material, the choice of instruments for the material application, compliance with the parameters of mixing time and solidification of materials. Etiopathogenesis of tooth decay. Diagnosis of dental caries. Mechanisms of defense of tooth decay - epimineralization, transparent dentin, tertiary dentine. Patomorphological picture of tooth decay. Dental caries treatment : clinical principles of preparation, indications for filling materials, practical

treatment of individual types of dental caries according to Black, microinvasive preparations. Diagnosis and treatment of non-carious defects of hard dental tissues.

Recommended literature:

. Pickard s Manual of Operative Dentistry , 2011, ISBN-10: 0199579156 , ISBN-13: 9780199579150
. Minčík, J. Kariológia, 2014, ISBN: 9788088900627
• Kováč, J.: Základy endodoncie. Bratislava: Univerzita Komenského v Bratislave, 2013, ISBN 80-223-3390-0, skriptá.
Professional, scientific and domestic foreign magazines and books.

Course language:
slovak

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: MUDr. Margaréta Tamášová, PhD., MUDr. Adriána Petrášová, PhD., MDDr. Mária Futejová, MDDr. Zuzana Minarčiková, MUDr. Kristína Biganičová, MDDr. Zuzana Salak Schwartzová, PhD., MPH, MDDr. Viktória Hužvárová, MPH, MDDr. Dominika Domonkošová, MDDr. Andrea Sinčák Konečná, PhD., MDDr. Vladislava Šaková, MDDr. Natália Sokolová, MUDr. Angelika Vavrek Hanzenová

Date of last modification: 02.12.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: SK/ PKZL-ZL5-4/25	**Course name:** Preclinical Dentistry 4

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

Number of ECTS credits: 5

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities: SK/PKZL-ZL5-3/25

Conditions for course completion:
Completion of 100% participation in practical exercises and lectures. Continuous review with a record of assessment during clinical teaching. Passing a test from lectures with a minimum rating of 60%.
Final test with a grade of at least 60%.
Conditions for granting credit: 100% communication with the teacher.
The interim assessment for each subject will be registered in AIS. During the practical exercises, the student is evaluated by the teacher, each continuous evaluation is recorded in the AIS. The evaluation of the final test for the lectures will be recorded in AIS. The minimum threshold for meeting the conditions for passing the test for lectures is 60%.
The minimum threshold to meet the conditions for passing the subject is 60%.

Learning outcomes:
The graduate of the subject obtains comprehensive information about working procedures in the outpatient clinic and dental technology in the production of fixed and removable restorations within the framework of dental prosthetics. He acquires skills in the preparation of hard dental tissues within the framework of cariology and endodontics. Get acquainted with the basics of X-ray diagnostics. Understanding the principles of applying local anesthesia. Get familiar with surgical instruments and basic extraction techniques. He can use the acquired theoretical knowledge when working on models and phantoms.

Brief outline of the course:
Reception, translation, discharge of the patient, sterilization and disinfection, use of heat and cold. Monitoring of vital functions, monitoring of urine and stool emptying, administration of drugs, infusions and transfusions. Tooth replacements: fixed bridge, indications, work procedure, impression technique, structural elements of contact bridges, laboratory preparation. Removable replacements: classification, types. Partial removable replacements: division, description of structural elements. Office and laboratory work procedure. Total removable restoration: description of issues of retention and stability. Office and laboratory work procedure. Equipment and organization of work in a dental clinic. Work hygiene in the ambulance, security conditions. Filling of maxillofacial surgery. Terminology of surgical procedures. Surgical instruments – extraction forceps, extraction levers, general surgical instruments. Basic principles of local anesthesia.

Principles of tooth extraction. Basic terminology in maxillofacial orthopaedics: anomalies of the position of the teeth in the dental arch - basic terminology, anomaly of the relative position of the dental arches of the jaws.

Recommended literature:

Hecová, H., Monhartová, K.: Morfologie zubu a kreslení a modelování zubu, 2008, Karolinum, ISBN 978-80-246-1586-8
Hubálková Hana, Krňoulová Jana, Materiály a technologie v protetickém zubním lekářství, Galén, 2009, ISBN - 978-80-7262-581-9
Klepáček,I.,Mazánek,J.: Klinická anatomie pro stomatology, Grada, Avicenum, 2001,ISBN 80-7169-770-2
Banerjee, Watson: Pickard's Manual of Operative Dentistry, 2011, Oxford University Press ISBN-13: 978-0199579150
Scheid R.C.: Woelfel's Dental Anatomy: Its Relevance to Dentistry, 2011, Lippincott Williams & Wilkins, ISBN-13: 978-1608317462

Course language:
slovak

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: MUDr. Michaela Michalik, PhD., MPH, MBA, MUDr. Adriána Petrášová, PhD., MUDr. Stanislav Andrejko, PhD., MUDr. Milan Bereš, PhD., MPH, MUDr. Marcela Šestáková, PhD., MDDr. Zuzana Salak Schwartzová, PhD., MPH, MDDr. Zuzana Kotuličová, MDDr. Dominika Domonkošová, MDDr. Filip Lukáč, MDDr. Zuzana Minarčiková, MDDr. Dominika Ivančáková, MUDr. Jana Kaiferová, PhD.

Date of last modification: 02.12.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Medicine	
Course ID: SK/ PreZL-ZL5/25	**Course name:** Preventive Dentistry

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

Number of ECTS credits: 5

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities: SK/PKZL-ZL5-1/25

Conditions for course completion:
Completion of 100% participation in practical exercises and lectures
Continuous review with a record of assessment during clinical teaching
Passing a test from lectures with a minimum rating of 60%.
Final test with a grade of at least 60%.
The interim assessment for each subject will be registered in AIS. During the practical exercises, the student is evaluated by the teacher, each continuous evaluation is recorded in the AIS. The evaluation of the final test for the lectures will be recorded in AIS. The minimum threshold for meeting the conditions for passing the test for lectures is 60%.
The minimum threshold to meet the conditions for passing the subject is 60%.

Learning outcomes:
The graduate acquires knowledge and understanding of primary, secondary and tertiary prevention methods. . It develops psychomotor skills by examining directly in the oral cavity - students interact with each other and thus acquire the first basics of examining hard dental tissues and periodontal diseases using standardized WHO methodologies. Students learn the basics of accurate and targeted documentation.

Brief outline of the course:
Definition of oral health and prevention. Work in a dental clinic. Working positions of the dentist, dental assistant and patient in different areas of the oral cavity. Principles of prevention of transmission of infection in the outpatient clinic. Content of extra and intraoral examination of the patient. Saliva, main functions and composition - examination of saliva. Anamnesis and its importance in treating patients. Tissues of the periodontium. Gingiva. WHO periodontological probe. Frenulum labii and accessory frenulum (lateralis) – clinical anatomy and examination of attachment, its etiopathogenesis in the etiology of periodontal diseases. Plaque: definition, composition and its etiopathogenesis in the occurrence of diseases of the oral cavity. Plaque detection. Plaque index. Pathology of sulcus gingivalis. Bleeding during examination of sulcus g., BoP, Recessus gingivalis, loss of attachment, classification of root furcations. Tooth mobility, basic occlusal diagnostics and basic sled movements. Vitality of the tooth. Dental caries, definition, diagnosis. Stains, enamel, enamel hypoplasia. DMF – T, DMF – S, dmf-t , dmf-s. Radiological diagnosis of dental caries. Radiological decay index DMF-S. PBI, CPITN. Importance of oral

hygiene for oral health, patient motivation and instruction. Ensuring optimal oral hygiene with regard to BoP and PBI values. Tartar. Initial determination of individual prophylaxis. Professional teeth cleaning. Reconstruction and polishing of restorations to remove marginal irritations. Local methods of dental fluoridation.

Recommended literature:

Hardy, L. a kolektiv Preventivní stomatologie, 2017, Grada, Kód: 41784056
Markovská , N., Janitorová, E., Preventívne zubné lekárstvo 1, 2014, Univerzita Pavla Jozefa Šafárika v Košiciach, ISBN 9788081521935
Kovaľová,E., Orálna hygiena II., III, 2010, AkcentPrint, Kód: 41784056
Kovaľová,E., Novák,B.,Orálna hygiena V., 2010, AkcentPrint, ISBN: 978-80-8929-539-5
Professional, scientific and domestic foreign magazines and books.

Course language:

english

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: MUDr. Adriána Petrášová, PhD., MUDr. Jarmila Chrenková, PhD., MUDr. Eva Janitorová, PhD., MUDr. Margaréta Tamášová, PhD., MDDr. Zuzana Salak Schwartzová, PhD., MPH, MDDr. Jana Kluknavská, PhD., MDDr. Simona Svatková, doc. MUDr. Silvia Timková, PhD., MHA, MDDr. Naďa Homzová, MDDr. Mária Futejová, MDDr. Vladislava Šaková, MDDr. Natália Gerdová, MDDr. Mária Verčimák Cuľbová

Date of last modification: 12.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: 1. PK/ PMK-ZL5/25	**Course name:** Psychology and Medical Communication

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

Number of ECTS credits: 2

Recommended semester/trimester of the course: 3.

Course level: I.II.

Prerequisities:

Conditions for course completion:
1. 100% active participation at practical exercises; in a case of absence, possible compensation at most 2 exercises per semester.
2. At least 70% success in the midterm test achievement, and 80% success in final exam achievement.

Learning outcomes:
Student is educated in the psychological concepts related to the field of clinical psychology;
Is being attained theoretical and practical knowledge in regard to the principles of verbal and non-verbal communication; learns methods of psychodiagnostics and psychotherapy.

Brief outline of the course:
- Psychology as a profession, history, theoretical and applied psychological disciplines, the profession of clinical psychologist as a fellow in diagnostic and treatment team, psychological contribution to the patient care.
- Psychology of personality, key concepts and models of consequent psychopathology; issues of normality of personality.
- Psychodiagnostics - basic methods used in clinical psychology, their indication and contribution in doctor's practice. Intelligence, and its assessment. Evaluation of personality traits and their psychopathological changes.
- Psychotherapy, basic concepts and methods. Basic psychotherapeutic approaches. Indications in requirement of disorders.
- Bio-psycho-social model of disease, psychosomatic diseases and comprehensive therapeutic approach; problem of stress, mental health care, and the principles of salutogenesis. Health psychology.
- Verbal and non-verbal communication, principles of effective communication. Communication in specific situations in medical practice. Coping with difficulties in social interactions.
- Approach to difficult-to-treat patients in dental practice, coping strategies.

Recommended literature:
Žucha I., čaplová T., et al. Lekárska psychológia. Bratislava, Univerzita Komenského 2012.
Ayers S., R. de Visser. Psychologie v medicíně. Praha, Grada 2015.
Kratochvíl S. Základy psychoterapie. Praha, Portál 2002.

Bouchal M., et al. Lékařská psychologie, Praha, Avicenum 1981.
Heretik A., et al. Klinická psychológia. Nové Zámky, Psychoprof 2007.
Vymětal J. Základy lékařské psychologie, Praha, Portál 2003.
Baštecký J., et al. Psychosomatická medicína. Praha, Grada 1993.
Křivohlavý J. Psychologie nemoci. Praha, Grada 2002.

Course language:
Slovak 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: PhDr. Martina Ružičková, PhD., Mgr. Matúš Hrebenár

Date of last modification: 08.11.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

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., 3.

Course level: I.II., II.

Prerequisities:

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: 1507

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
90.78	0.66	0.0	0.0	0.0	0.2	8.36

Provides: Mgr. Patrik Berta, Mgr. Alena Buková, PhD., univerzitná docentka, Mgr. Marcel Čurgali, PhD., Mgr. Agata Dorota Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Ladislav Kručanica, PhD., Mgr. Richard Melichar, Mgr. Petra Melicharová, PhD., prof. RNDr. Stanislav Vokál, DrSc., Blažej Pandula, doc. PaedDr. Ivan Uher, MPH, PhD., Mgr. Zuzana Küchelová, PhD., Mgr. Ferdinand Salonna, PhD., Mgr. Július Evelley, PhD.

Date of last modification: 07.02.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

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., 4.

Course level: I.II., II.

Prerequisities:

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: 1208

abs	abs-A	abs-B	abs-C	abs-D	abs-E	neabs
92.8	0.0	0.0	0.0	0.0	0.25	6.95

Provides: Mgr. Patrik Berta, Mgr. Alena Buková, PhD., univerzitná docentka, Mgr. Marcel Čurgali, PhD., Mgr. Agata Dorota Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Ladislav Kručanica, PhD., Mgr. Richard Melichar, Mgr. Petra Melicharová, PhD., Blažej Pandula, prof. RNDr. Stanislav Vokál, DrSc., doc. PaedDr. Ivan Uher, MPH, PhD., Mgr. Zuzana Küchelová, PhD., Mgr. Ferdinand Salonna, PhD., Mgr. Július Evelley, PhD.

Date of last modification: 07.02.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: Dek. LF UPJŠ/SVOC-ZL5/25	**Course name:** Student Science Work - Presentation at SSC

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

Number of ECTS credits: 1

Recommended semester/trimester of the course: 4.

Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 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: 04.12.2024

Approved: prof. MUDr. et. MUDr. René Foltán, Ph.D.