Course descriptions

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COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.AÚ/L-S-ZLa-001/16	Anatomy 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 48s / 36s
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 1.

Educational level: I.II.

Prerequisites:

Course requirements:
100% participation on the practical exercises
Passing 2 written tests with at least 60% from each
Test evaluation: A: 91 - 100 %, B: 81 – 90 %, C: 73 – 80 %, D: 66 – 72 %, E: 60 – 65 %, Fx: 59 – 0 %

Learning outcomes:
Knowledge:
- To be familiar with the architecture and structures of the human body (in general).
- Knowing different parts of the skeletal system and joints
- Studying structure of the organs of the alimentary, respiratory and urinary systems.

Skills:
- To understand and handle the anatomical terminology
- Analyzing of the gained knowledge from the morphological and functional point of views.
- Practical usage of theoretical information in dissection of muscles.

Class syllabus:
Introduction into anatomy. General anatomy of bones, joints and muscles. Digestive system. Respiratory system. Urinary system. Genital system.
Planes and directions of the human body. Vertebrae, ribs, sternum. Joint of the vertebral column and thorax. Bones and joints of the upper limb. Bones and joints of the lower limb. The skull. Muscles and topographical regions of the upper limb. Muscles and topographical regions of the lower limb. Muscles and topographical regions of the head, neck and back. Muscles and topographical regions of the thorax, abdomen.

Recommended literature:
Platzer, W. Color Atlas of Human Anatomy. Vol.1. Locomotor System. 6th rev ed. Stuttgart; New York: Georg Thieme Verlag, 2009. 480p. ISBN13 9783131494818
Fritsch, H., Kuehnel, W. Color Atlas of Human Anatomy. Vol. 2. Internal organs. 5th ed. Stuttgart; New York: Georg Thieme Verlag, 2008. 458p. ISBN13 9781604065633
Kahle, W., Frotscher M. Color Atlas of Human Anatomy. Vol. 3. Nervous System and Sensory Organs. 6th ed. Stuttgart; New York: Georg Thieme Verlag, 2008. 426p. ISBN13 9783131536761

Netter, F. H. Atlas of Human Anatomy. 5th ed. Philadelphia: Saunders - Elsevier, 2010. 624p. ISBN: 978-1-4160-5951-6

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 168

A	B	C	D	E	FX
10,12	22,02	28,57	17,86	21,43	0,0

Lecturers: doc. MUDr. Eliška Kubíková, PhD., MPH, doc. MUDr. Anna Holomáňová, CSc., MUDr. Hisham El Falougy, PhD., MUDr. Zora Haviarová, PhD., MUDr. Petra Šelmeciová, PhD., RNDr. Melinda Takácsová, PhD., MUDr. Marta Masárová, MUDr. Jana Bevilaqua, MUDr. Abdolreza Majidi, Mgr. Vladislava Zohdi, PhD., MUDr. Andrej Mifkovič, PhD., MUDr. Daniela Dovalová, MUDr. Tomáš Barczi, PhD., Mgr. Tomáš Havránek, PhD.

Last change: 11.11.2016

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.AÚ/L-S-ZLa-002/16	**Course title:** Anatomy 2
Educational activities: **Type of activities:** lecture / practicals **Number of hours:** **per week:** **per level/semester:** 48s / 60s **Form of the course:** on-site learning	
Number of credits: 9	
Recommended semester: 2.	
Educational level: I.II.	
Prerequisites: LF.AÚ/L-S-ZLa-001/16 - Anatomy 1	
Course requirements: Course requirements: 100% participation on the practical exercises and dissection Exam: - Practical part - Test (achieving at least 60% of correct answers) - Oral part (3 questions) Practical part: a. Topographical regions, vessels and nerves of upper and lower limb b. Structures and spaces of the thorax and abdomen The student must pass practical part and test before the oral part. Test evaluation: A: 91 - 100 %, B: 81 – 90 %, C: 73 – 80 %, D: 66 – 72 %, E: 60 – 65 %, Fx: 59 – 0 % Final mark of the semester is determined from the average of received scores.	
Learning outcomes: Knowledge: - Understanding and knowing the morphological structure of the heart, arteries and veins of the systemic and pulmonary circulations. - Studying the different parts of the lymphatic system and the endocrine glands - Knowing the structures of the central nervous system - Studying parts of the autonomic nervous system (sympathetic and parasympathetic) Studying the morphological structure of sense organs, skin and its appendages Skills: - To understand and handle the anatomical terminology - Analyzing of the gained knowledge from the morphological and functional point of views. - Practical usage of theoretical information in practical exercises and dissection of the thorax and abdomen. - Practical usage of theoretical information in the dissection of the thorax and abdomen. - Practical usage of theoretical information in dissection of the peripheral nerves and vessels.	

- Practical usage of theoretical information in the practical exercises from the central nervous system.

Class syllabus:

Male and female genital systems. Vascular system and heart. Lymphatic system. Endocrine glands. Nervous system (spinal cord, spinal nerves, nerve plexuses). Peripheral nerves. Digestive system. Respiratory system. Urinary system. Demonstration of the digestive organs. Nervous system (medulla oblongata, pons, cerebellum, mesencephalon, diencephalon, telencephalon, basal nuclei, cavities and meninges of the central nervous system). Injuries of the spinal cord. Motor and sensory disorders. Corneal and sucking reflexes. Paralysis of the facial nerve. Parkinsonism. Internal capsule hemorrhage. Cerebrospinal fluid and its circulation. Intracranial hypertension. Hydrocephalus. Autonomic nerves. Sense organs. Skin and its appendages.
Dissection – thorax, abdomen, vessels and nerves of the upper limb, lower limb, head and neck.

Recommended literature:

Platzer, W. Color Atlas of Human Anatomy. Vol.1. Locomotor System. 6th rev ed. Stuttgart; New York: Georg Thieme Verlag, 2009. 480p. ISBN13 9783131494818
Fritsch, H., Kuehnel, W. Color Atlas of Human Anatomy. Vol. 2. Internal organs. 5th ed. Stuttgart; New York: Georg Thieme Verlag, 2008. 458p. ISBN13 9781604065633
Kahle, W., Frotscher M. Color Atlas of Human Anatomy. Vol. 3. Nervous System and Sensory Organs. 6th ed. Stuttgart; New York: Georg Thieme Verlag, 2008. 426p. ISBN13 9783131536761
Netter, F. H. Atlas of Human Anatomy. 5th ed. Philadelphia: Saunders - Elsevier, 2010. 624p. ISBN: 978-1-4160-5951-6

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 169

A	B	C	D	E	FX
6,51	13,61	33,14	18,34	23,08	5,33

Lecturers: doc. MUDr. Eliška Kubíková, PhD., MPH, doc. MUDr. Anna Holomáňová, CSc., MUDr. Hisham El Falougy, PhD., MUDr. Zora Haviarová, PhD., RNDr. Petra Lukáčiková, PhD., Mgr. Vladislava Zohdi, PhD., MUDr. Petra Šelmeciová, PhD., MUDr. Andrej Mifkovič, PhD.

Last change: 21.03.2018

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.ÚLBG/L-S-ZLa-003/16	**Course title:** Biology and Human Genetics 1
Educational activities: **Type of activities:** lecture / practicals **Number of hours:** **per week:** **per level/semester:** 18s / 18s **Form of the course:** on-site learning	
Number of credits: 3	
Recommended semester: 1.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 100% participation on the practical exercises 1 seminar work Passing written test with at least 60% from each Test evaluation: A: 91 - 100 %, B: 81 – 90 %, C: 73 – 80 %, D: 66 – 72 %, E: 60 – 65 %, Fx: 59 – 0 %	
Learning outcomes: To gain basic information about cell morphology and physiology and about molecular biology and genetics.	
Class syllabus: The cell as the basic structural and functional unit. Cell surfaces, nucleus, nucleolus, mitochondria, endoplasmic reticulum, ribosomes, Golgi apparatus, cytoskeleton. Intercellular spaces and intercellular communication. Transport of materials, membrane receptors. Cell cycle; amitosis, mitosis (mitotic apparatus). Meiosis. Viruses: genome, reproduction, mutations and recombination, oncogenic viruses and acute transforming viruses. Prokaryotic cells -morphology, structure, and genome. Differences between prokaryotes and eukaryotes. Protista. Biology of oral cavity - symbionts and parasites relation to diseases. Molecular biology: structure of DNA and RNA, replication of DNA, transcription, translation, genetic code. Genes of eukaryotic cells. Resistance to antibiotics DNA analysis. Tissue cultivation, utilization of tissue engineering.	
Recommended literature: BÖHMER, D. and REPISKÁ, V.: Genetic Aspects of Normal and Pathologic Traits in Humans. Bratislava: Asklepios, 2009; 100 p. ISBN 978-80-7167-139-8. BÖHMER, D., REPISKÁ, V. and DANIŠOVIČ, Ľ.: Introduction to Medical and Molecular Biology. Bratislava: Asklepios, 2010; 95 p. ISBN 978-80-7167-151-0. Nussbaum, R.L., McInnes, R.R., Willard, H.F.: Thompson &Thompson Genetics in medicine. 8th edition. Elsevier, Philadelphia. 2016; 546 p.	

Alberts, B., et al. Molecular biology of cell. 6th edition. Garland Science, New York. 2015; 1464 p.

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 169

A	B	C	D	E	FX
2,96	12,43	25,44	19,53	39,64	0,0

Lecturers: doc. MUDr. Daniel Böhmer, PhD., prof. RNDr. Vanda Repiská, PhD., doc. RNDr. Ľuboš Danišovič, PhD., doc. Ing. Helena Gbelcová, PhD., RNDr. Ľubica Krajčíová, PhD., RNDr. Marcela Kuniaková, PhD., RNDr. Jana Malová, PhD., RNDr. Robert Petrovič, PhD., RNDr. Zuzana Varchulová Nováková, PhD., Mgr. Petra Priščáková, PhD.

Last change: 08.12.2016

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.ÚLBG/L-S-ZLa-004/16	**Course title:** Biology and Human Genetics 2
Educational activities: **Type of activities:** lecture / practicals **Number of hours:** **per week:** **per level/semester:** 20s / 20s **Form of the course:** on-site learning	
Number of credits: 4	
Recommended semester: 2.	
Educational level: I.II.	
Prerequisites: LF.ÚLBG/L-S-ZLa-003/16 - Biology and Human Genetics 1	
Course requirements: 100% participation on the practical exercises 1 seminar work Passing 1 written partial test with at least 60% Test evaluation: A: 91 - 100 %, B: 81 – 90 %, C: 73 – 80 %, D: 66 – 72 %, E: 60 – 65 %, Fx: 59 – 0 % Exam: a) written test, at least 60 %, B) theoretical part – 3 questions (cytology,molecular genetics, human genetics) Final mark of the semester is determined from the average of received scores.	
Learning outcomes: To gain basic information about cell morphology and physiology and about molecular biology and genetics.	
Class syllabus: Chromosomal base of inheritance: structure of chromosomes, nomenclature, methods of identification. Classification of inherited diseases. Single gene diseases in stomatology. Chromosomal aberrations. Stomatological aspects of syndromes caused by aberrations of chromosomes. Oncogenesis - molecular base of cancerogenesis, oncogenes and tumor-suppressor genes, their function. Genetic base of regulation of maxillo-facial region development. Multifactorial and polygenic inheritance, pathological traits with multifactorial inheritance, malformations. Threshold effect. Mutagenesis. Teratogenesis - basic characteristics, mechanisms of origin, possibilities of differential diagnosis.	
Recommended literature: BÖHMER, D. and REPISKÁ, V.: Genetic Aspects of Normal and Pathologic Traits in Humans. Bratislava: Asklepios, 2009; 100 p. ISBN 978-80-7167-139-8. BÖHMER, D., REPISKÁ, V. and DANIŠOVIČ, Ľ.: Introduction to Medical and Molecular Biology. Bratislava: Asklepios, 2010; 95 p. ISBN 978-80-7167-151-0.	

Nussbaum, R.L., McInnes, R.R., Willard, H.F.: Thompson &Thompson Genetics in medicine. 8th edition. Elsevier, Philadelphia. 2016; 546 p.
Alberts, B., et al. Molecular biology of cell. 6th edition. Garland Science, New York. 2015; 1464 p.

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 167

A	B	C	D	E	FX
27,54	15,57	15,57	16,77	16,17	8,38

Lecturers: doc. MUDr. Daniel Böhmer, PhD., prof. RNDr. Vanda Repiská, PhD., doc. RNDr. Ľuboš Danišovič, PhD., doc. Ing. Helena Gbelcová, PhD., RNDr. Ľubica Krajčíová, PhD., RNDr. Marcela Kuniaková, PhD., RNDr. Andrea Pastoráková, PhD., RNDr. Robert Petrovič, PhD., Mgr. Petra Priščáková, PhD.

Last change: 08.12.2016

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.ÚMB/L-S-ZLa-130/18	**Course title:** Biostatistics
Educational activities: **Type of activities:** lecture **Number of hours:** **per week:** **per level/semester:** 24s **Form of the course:** on-site learning	
Number of credits: 2	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Successful completion of a written test (at least 60% correct answers) Evaluation of the test: A: 91-100%, B: 81–99%, C: 73–80%, D: 66–72%, E: 60–65%, Fx: 59% and less	
Learning outcomes: Knowledge: The students will gain basic information on the principles of statistical analysis and interpretation of the results. Details of the presentation of results of statistical analysis will be discussed. Skills: - Practical application of acquired knowledge of statistical analysis and testing in practical examples. - The use of basic statistical software and generation of charts and tables with the results of the statistical analysis.	
Class syllabus: Basic terms in biostatistics. Variability in biomedicine. Probability. Normal distribution. Descriptive statistics. Correlation and regression. Hypotheses. Principles of statistical testing. Multifactorial analysis. Statistical software. Presentation of results and their interpretation.	
Recommended literature:	
Languages necessary to complete the course: Lectures at www.imbm.sk Zar Jerrold H: Biostatistical Analysis. 5th Edition. Pearson Prentice-Hall, Upper Saddle River, NJ, 2010	
Notes:	

Past grade distribution
Total number of evaluated students: 0

A	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Ing. Peter Celec, DrSc.

Last change: 20.02.2020

Approved by:

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF/L-ZLa-O-6/16	**Course title:** Defence of the Diploma Thesis
Number of credits: 2	
Recommended semester: 11., 12..	
Educational level: I.II.	
State exam syllabus:	
Last change:	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-011/16	Dental Materials and Technologies 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 6s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 2.

Educational level: I.II.

Prerequisites:

Course requirements:
100% participation on lectures and practical exercises
- 1 writen final test min. 60%

Learning outcomes:
Knowledge: Main and auxiliary materials in Prosthodontics, producing, compozition, preparation and usage
Skills: Preparing and ussage of the materials

Class syllabus:
Auxiliary materials – impression, cast, modelling, molding, grinding and polishing materiáls
Main materials – Metals, Synthetic resins, Ceramic materials – composition and ussage

Recommended literature:
Craig,R.G.,Powers,J.M. and Wataha,J.C.:Dental Materials: Properties and Manipulation

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 166

A	B	C	D	E	FX
4,82	17,47	22,89	31,33	22,29	1,2

Lecturers: doc. MUDr. Peter Plachý, CSc., MUDr. Lea Csicsayová, CSc., MUDr. Darina Gabániová, PhD., MUDr. Zita Kestlerová, PhD., MUDr. Roman Pecháň

Last change: 20.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-010/21	Dental Implantology

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 10s / 10s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 11.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-058/20 - Maxillofacial Surgery 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Peter Stanko, PhD., MUDr. Dušan Hollý, PhD., MDDr. Adam Stebel, PhD.

Last change: 03.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-014/18	Dental Instruments and Equipment

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 10s / 10s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 6.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-013/18 - Dental Materials and Technologies 3

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 64

A	B	C	D	E	FX
35,94	35,94	15,63	7,81	4,69	0,0

Lecturers: MUDr. Bohuslav Novák, PhD., MDDr. Nikola Držíková Borovanová, MUDr. Rastislav Edelstein, PhD., MDDr. Georgia Fountoulaki, MUDr. Dušan Hollý, PhD., MDDr. Kristína Hrdličková, MDDr. Michail Vasileios Kapetanakis, MDDr. Nora Kelecsényiová, MDDr. Anna Korpášová, MUDr. Ján Kováč, PhD., MPH, MDDr. Nikos Leptos, MUDr. Juraj Lysý, PhD., MPH, MDDr. Ľubomír Malíček, PhD., MDDr. Marek Matajs, MDDr. Šamseh Merdaa, MUDr. Andrea Nováková, PhD., MUDr. Daniela Novotňáková, PhD., MPH, MDDr. Bich Pham Ngoc, MDDr. Soňa Pintešová, PhD., MDDr. Vladimír Prachár, doktor medicíny Halyna Pruts, MDDr. Alessandro Emanuele Sangalli, MDDr. Anastasia Sidiropoulou, MDDr. Martina Sirotková, MUDr. Rastislav Slávik, MDDr. Adam Stebel, PhD., MDDr. Martin Strunga, doc. MUDr. Andrej Thurzo, PhD., MPH, MHA

Last change: 03.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-012/17	Dental Materials and Technologies 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 6s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 3.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-011/16 - Dental Materials and Technologies 1

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 122

A	B	C	D	E	FX
2,46	10,66	12,3	35,25	36,89	2,46

Lecturers: MUDr. Lea Csicsayová, CSc., MUDr. Zita Kestlerová, PhD., MUDr. Darina Gabániová, PhD., MUDr. Roman Pecháň, doc. MUDr. Peter Plachý, CSc.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-013/18	Dental Materials and Technologies 3

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 6s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 5.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-012/17 - Dental Materials and Technologies 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 65

A	B	C	D	E	FX
26,15	10,77	7,69	29,23	21,54	4,62

Lecturers: MUDr. Lea Csicsayová, CSc., MUDr. Bohuslav Novák, PhD., MUDr. Andrea Nováková, PhD., MUDr. Zita Kestlerová, PhD., doc. MUDr. Peter Plachý, CSc., MUDr. Darina Gabániová, PhD., MUDr. Roman Pecháň

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-089/21	Dental Practice Management

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 18s / 7s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 11.

Educational level: I.II.

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
94,12	5,88	0,0	0,0	0,0	0,0

Lecturers: MUDr. Bohuslav Novák, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-091/18	Dental Prosthetics 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 24s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 6.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-079/17 - Preclinical Dentistry 4

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 66

A	B	C	D	E	FX
59,09	25,76	13,64	0,0	0,0	1,52

Lecturers: prof. MUDr. Peter Stanko, PhD., MUDr. Michaela Apfelová, PhD., MDDr. Nikos Leptos, MDDr. Anna Korpášová, doktor medicíny Halyna Pruts

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-092/19	Dental Prosthetics 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 14s / 54s
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 7.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-091/18 - Dental Prosthetics 1

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 43

A	B	C	D	E	FX
18,6	20,93	41,86	9,3	9,3	0,0

Lecturers: prof. MUDr. Peter Stanko, PhD., MUDr. Michaela Apfelová, PhD., MDDr. Nikos Leptos, MDDr. Anna Korpášová, doktor medicíny Halyna Pruts

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-093/19	Dental Prosthetics 3

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 10s / 54s
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 8.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-092/19 - Dental Prosthetics 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 43

A	B	C	D	E	FX
34,88	37,21	20,93	6,98	0,0	0,0

Lecturers: prof. MUDr. Peter Stanko, PhD., MUDr. Michaela Apfelová, PhD., MDDr. Nikos Leptos, MDDr. Anna Korpášová, doktor medicíny Halyna Pruts

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-094/20	Dental Prosthetics 4

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 6s / 42s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 9.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-093/19 - Dental Prosthetics 3

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 24

A	B	C	D	E	FX
33,33	58,33	0,0	4,17	4,17	0,0

Lecturers: prof. MUDr. Peter Stanko, PhD., MUDr. Michaela Apfelová, PhD., MDDr. Anna Korpášová, MDDr. Nikos Leptos, doktor medicíny Halyna Pruts

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-095/20	Dental Prosthetics 5

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 24s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 10.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-094/20 - Dental Prosthetics 4

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 22

A	B	C	D	E	FX
36,36	27,27	18,18	4,55	13,64	0,0

Lecturers: prof. MUDr. Peter Stanko, PhD., MUDr. Michaela Apfelová, PhD., MDDr. Anna Korpášová, MDDr. Nikos Leptos, doktor medicíny Halyna Pruts

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.RK2/L-S-ZLa-096/18	Dental Radiology

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 14s / 14s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 6.

Educational level: I.II.

Prerequisites: LF.RK2/L-S-ZLa-090/18 - General Radiology

Course requirements:
100% presence at practicals
Exam: written part: score at least 60% in test
practical part: assessment of one intraoral and one panoramic X-ray
theoretical part: 2 questions (according to the syllabus)
Test assessment: A: 91 - 100 %, B: 81 - 90 %, C: 73 - 80 %, D: 66 - 72 %, E: 60 - 65 %, Fx: 59 % and less.
Total grade will be calculated as an average of partial results.

Learning outcomes:
Knowledge:
- basic principles of radiation protection for dentists
- imaging methods used in dentistry
- indications and contraindications of intraoral and extraoral X-rays
- radiologic anatomy of maxillofacial region and dental tissues
- pathological changes in maxillofacial region and dental tissues on X-rays

Skills:
- assessment of normal panoramic and intraoral X-rays
- diagnosis of pathologies in maxillofacial region and dental pathologies based on X-rays
- methods and techniques of intraoral and panoramic X-rays

Class syllabus:
Dental X-ray equipments. Technical requirements for dental X-ray station. Radiological anatomy of the facial skeleton. General characteristics and classification of pathologies in maxillofacial region (radiolucency/radioopacity), foreign bodies, infections, cysts. Radiology of orthodontic anomalies. Pathology of maxillary sinuses and salivary glands. Fractures in maxillofacial region, systemic disease. Tumors in maxillofacial region. Importance of radiology in reconstructive dentistry. Basic criteria for an X-ray image in periodontology. Radiology of temporomandibular joint. Radiology in pediatric dentistry.

Recommended literature:

Anil Ghom: Textbook of Oral Radiology, 2009
Stuart C. White, Michael J. Pharaoh: Oral Radiology Principles and Interpretation 7th edition, 2013
Robert Langlais: Exercises in Oral Radiology and Interpretation 4th edition, 2003

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 64

A	B	C	D	E	FX
39,06	25,0	26,56	6,25	3,13	0,0

Lecturers: prof. MUDr. Jozef Bilický, CSc., prof. MUDr. Viera Lehotská, PhD., MUDr. Silvia Budiačová, MUDr. Lucia Vanovčanová, PhD.

Last change: 03.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.DK/L-S-ZLa-018/20	Dermatovenerology

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 18s / 20s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 9.

Educational level: I.II.

Prerequisites:

Course requirements:
100 % attendance in practical lessons
Exam: written – test: minimum score: 60 %
Practical part of exam- patient´s examination - preparing of hospital record, differential-diagnostic process, question from practical lessons
Theoretical part of exam - 3 questions from dermatovenerology
Results rating: A: 91 - 100 %, B: 81 - 90 %, C: 73 - 80 %, D: 66 - 72 %, E: 60 - 65 %, Fx: 59 % and less
Final rating is determined as the average of all received ratings.

Learning outcomes:
Knowledge: Etiopathogenesis knowledge, clinical picture of dermatoses, diagnostic process, differential diagnoses, therapy of skin and mucous membrane disorders, sexually transmitted infections
Practical skills: Dermatologic investigations and its practical use: histological investigation, allergologic investigation, mycological investigation, patient´s examination. Collection of the material for histological investigation, microscopic investigation of pathological material. Provide diferential diagnoses proposals and methods of its therapy.

Class syllabus:
Anatomy, morphology, physiology of the skin and mucous membranes. Allergic eczema, toxic dermatitis, phototoxic and photoallergic reactions. Atopic dermatitis. Seborrheic dermatitis. Eczema microbiale. Erythemato-squamous diseases. Papulous and pustular dermatoses. Blistering diseases. Exanthema medicamentosum. Disorders of sebaceous glands. Alopecia. Viral dermatoses. Bacterial disorders of skin and mucous membranes. Fungal infections. Episoonosis. Parasitis diseases. Diseases of connective tissue. Precanceroses, tumours of skin. Disorders of oral cavity.

Recommended literature:
Švecová, D.: Dermatology for dentistry UK Bratislava 2010, 257 p
Švecová, D.: Handbook of Dermatovenerology for Practical Lessons, UK Bratislava, 2014, 167p.

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 23

A	B	C	D	E	FX
43,48	26,09	4,35	13,04	13,04	0,0

Lecturers: prof. MUDr. Mária Šimaljaková, PhD., prof. MUDr. Danka Švecová, PhD., doc. MUDr. Dušan Buchvald, CSc., doc. MUDr. Tibor Danilla, PhD.

Last change: 02.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF/L-S-ZLa-098/19	Diploma Work 1

Educational activities:
Type of activities: independent work
Number of hours:
per week: **per level/semester:** 50s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 7.

Educational level: I.II.

Prerequisites:

Course requirements:
study and self-study, communication with diploma work supervisor, presentation of outcomes and their evaluation by diploma work supervisor

Learning outcomes:
- to process selected topic on the level of a scientific study
- to select an appropriate scientific literature
- to apply an appropriate scientific method

Class syllabus:
- topic selection
- aim of diploma work specification
- selection of bibliography

Recommended literature:
Internal regulation CU n. 12/2013 Rector´s Directive of Comenius University in Bratislava, about the basic requirements of theses and qualification works, their bibliographic registration, control of originality, about archiving and publishing at Comenius University in Bratislava
Internal regulation n. 12/2013 Study regulation FM CU in Bratislava
Bibliography according to the diploma work

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 32

A	B	C	D	E	FX
93,75	3,13	0,0	0,0	3,13	0,0

Lecturers:

Last change: 20.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF/L-S-ZLa-099/19	Diploma Work 2

Educational activities:
Type of activities: independent work
Number of hours:
per week: **per level/semester:** 50s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 8.

Educational level: I.II.

Prerequisites: LF/L-S-ZLa-098/19 - Diploma Work 1

Course requirements:
study and self-study, communication with diploma work supervisor, presentation of outcomes and their evaluation by diploma work supervisor

Learning outcomes:
- to process selected topic on the level of a scientific study
- to select an appropriate scientific literature
- to apply an appropriate scientific method

Class syllabus:
- preparation and study of selected literature (research, textbooks, monographs, offprints of works in particular scientific field)
- preparation of the diploma work synopsis
- to start a process of diploma work core creation, what is the main part of diploma work

Recommended literature:
Internal regulation CU n. 12/2013 Rector´s Directive of Comenius University in Bratislava, about the basic requirements of theses and qualification works, their bibliographic registration, control of originality, about archiving and publishing at Comenius University in Bratislava
Internal regulation n. 12/2013 Study regulation FM CU in Bratislava
Bibliography according to the diploma work

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 32

A	B	C	D	E	FX
84,38	6,25	9,38	0,0	0,0	0,0

Lecturers:

Last change: 20.02.2020
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF/L-S-ZLa-100/20	Diploma Work 3

Educational activities:
Type of activities: independent work
Number of hours:
per week: **per level/semester:** 50s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 9.

Educational level: I.II.

Prerequisites: LF/L-S-ZLa-099/19 - Diploma Work 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 22

A	B	C	D	E	FX
77,27	18,18	4,55	0,0	0,0	0,0

Lecturers:

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF/L-S-ZLa-101/20	Diploma Work 4

Educational activities:
Type of activities: independent work
Number of hours:
per week: **per level/semester:** 100s
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 10.

Educational level: I.II.

Prerequisites: LF/L-S-ZLa-154/22 - Diploma Work 3

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 21

A	B	C	D	E	FX
66,67	14,29	14,29	4,76	0,0	0,0

Lecturers:

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF/L-S-ZLa-102/21	Diploma Work 5

Educational activities:
Type of activities: independent work
Number of hours:
per week: **per level/semester:** 100s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 11.

Educational level: I.II.

Prerequisites: LF/L-S-ZLa-101/20 - Diploma Work 4

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
47,06	52,94	0,0	0,0	0,0	0,0

Lecturers:

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-020/19	Endodontics 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 60s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 7.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-045/18 - Restorative Dentistry 1

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 43

A	B	C	D	E	FX
62,79	27,91	6,98	2,33	0,0	0,0

Lecturers: MDDr. Marek Matajs

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-021/19	Endodontics 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 72s
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 8.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-020/19 - Endodontics 1

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 36

A	B	C	D	E	FX
25,0	27,78	19,44	11,11	11,11	5,56

Lecturers: MUDr. Andrea Nováková, PhD., MDDr. Marek Matajs, MUDr. Bohuslav Novák, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚE/L-S-ZLa-022/20	Epidemiology

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 12s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 9.

Educational level: I.II.

Prerequisites:

Course requirements:
100% participation on practical lessons + success in exam by:
- achieving at least limit test points to 65% is proceeding to the oral examination.
Evaluation of the test: A: 91 - 100 %, B: 81 – 90 %, C: 73 – 80 %, D: 66 –72 %, E: 60 – 65%, Fx: 59 % and less
- theoretic part – 3 questions (general epidemiology, special epidemiology, epidemiology of chronic diseases – cardiovascular and cancer)
Total evaluation is determined from the mean value of acquired points of both parts of the exam.

Learning outcomes:
Knowledge: Basic knowledge about epidemic process, occurrence and distribution of infectious diseases and chronic non-communicable diseases with high incidence in Slovakia and worldwide. Epidemiology of nosocomial infections – risk factors, spread, importance of hygienic – epidemiologic regimen and the role of disinfection and sterilisation in introduction of measures and prevention. Nosocomial infections in dentistry and prevention.
Knowledge about basic principles of vaccination and important role of vaccines in disease prevention.
Prevalence of the most important risk factors contributed to disease occurrence (including oral health) and possibility to prevent diseases by lowering exposure and by elimination of these factors. Orientation in some national, WHO and ECDC programmes combating against infections and non-communicable civilisation diseases in the view of their control, elimination or even eradication. Knowledge of crucial relevant regulations in Slovak Republic in prevention of the most serious diseases.
Skills: Basic cognitive logic skills in investigation of epidemic occurrence by collection of valid data, by their analysis and by evaluation of risk exposure using knowledge from several medical disciplines for proposal of measures, including measures targeted on contacts of the source of infection.
Cognitive skills of using various methods in study of risk determinants of chronic diseases (including oral health) for primary and secondary prevention as well as for prognosis. Intuitive thinking for evaluation of risks for disease prevention. Practical skills in investigation and analysis

of epidemics, using epidemiologic methods (descriptive, analytic, experimental) and surveillance for evaluation of disease occurrence and prevention of communicable diseases and chronic civilization diseases (including oral health).

Class syllabus:

Epidemiology, goals, health and social importance of the discipline. Basic epidemiologic methods, causality. Descriptive method (including information of oral health indicators), analytic method, experimental epidemiology, surveillance.

Sources of infections in the light of evolution of parasitism of microorganisms, forms of reservoirs, their characteristics, importance of epidemiologic measures. Mechanisms of transmission, phases and forms. Classification of infectious diseases, basic groups (intestinal infections, air-borne infections, arthropod-borne infections, infections of skin and surface mucosae, zoonoses, nosocomial infections) and their general characteristics. Epidemic process, its essential conditions and characteristics, significance of natural and social factors. Principles of modern approaches of control of communicable diseases – containment of sources, interruption of transmission. Measures of prevention (including oral health). Measures in the focus of infection. Protection of susceptible population. Specific prophylaxis. Passive and active immunisation. Decontamination: disinfection, sterilisation, disinsection, rodent control. Information systems. Epidemiologic methods in study of epidemiologic characteristics of cardiovascular (including cerebrovascular) diseases and cancers, dental caries and parodontal diseases.

Recommended literature:

Špaleková, M. (Ed.) : EPIDEMIOLOGY FOR STUDY OF PUBLIC HEALTH - Vol. 1, 1. vydanie, Comenius University in Bratislava, 2015, 162 s, ISBN: 978-80-223-3933-9

Špaleková, M. (Ed.).: EPIDEMIOLOGY FOR STUDY OF PUBLIC HEALTH - Vol. 2, 1. vydanie, Comenius University in Bratislava, 2015, 86 s, ISBN: 978-80-223-3934-6

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 23

A	B	C	D	E	FX
39,13	30,43	17,39	8,7	4,35	0,0

Lecturers: prof. MUDr. Alexandra Bražinová, PhD., MPH, MUDr. Mgr. Miriam Fulová, PhD.

Last change: 03.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.FyÚ/L-S-ZLa-133/18	Essentials of Physiological and Clinical Nutrition

Educational activities:
Type of activities: lecture
Number of hours:
per week: **per level/semester:** 24s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 5.

Educational level: I.II.

Prerequisites:

Course requirements:
100% presence in lectures/seminars
To complete the assigned seminar projects
Examination: written test (minimum 60 %)
Test evaluation: A:100-91%, B:90-81% , C: 80-73%, D: 72-66%, E: 65-60%, Fx: 59% or less

Learning outcomes:
Knowledge:
To acquire knowledge about main food components (nutrients, water, biologically active substances, food additives, and contaminants), their relationships and effects on the body functions. To understand the function of the digestive system, metabolism of nutrients and energy metabolism. To obtain knowledge about the role of nutritional factors in prevention of health disorders. To acquire knowledge about basic principles of clinical nutrition, dietary system, risks and benefits of alternative types of nutrition. To understand theoretical principles of assessment methods and evaluation of dietary habits and nutritional status of individuals and populations.
Skills:
Competence to perform assessment of dietary habits, to determine and evaluate main indicators of nutritional status (clinical, anthropometric, biochemical). To acquire basic skills in designing the diets for healthy individuals, patients and individuals with special nutritional needs. Essentials of nutritional counseling.

Class syllabus:
Nutrition as a part of healthy lifestyle. Nutrients and their functions. Other nutritionally important food components and their effects on the human body. Water. Current problems in nutrition. Dietary recommendations, recommended dietary allowances, food pyramid. Food composition tables. Anatomy and physiology of digestive system. Digestion and absorption of nutrients. Metabolism. Regulation of food intake. Nutrition in the life cycle. Nutrition in disease prevention and treatment - obesity, cardiovascular diseases, cancer, osteoporosis, diabetes mellitus, diseases of stomach, liver and gallbladder, diarrhoea, constipation. Nutrition and dental health. Food allergy. Mental anorexia and bulimia. Dietetics – role of diet therapy, dietary system, principles of diets. Alternative and fad diets.

Recommended literature:

Ostatníková, D. et al.: Basics of Medical Physiology. Bratislava: Comenius University, 2011. 298p. ISBN 978-80-223-2993-4.

Basics in Clinical Nutrition 4th Edition, Praha: Galén, 2011, 723 pp. ISBN 978-80-726-2821-6

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 0

A	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Katarína Babinská, PhD., MUDr. Mgr. Rudolf Drábek, MUDr. Rastislav Važan, PhD.

Last change: 20.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KAIM2/L-S-ZLa-082/16	First Aid

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 6s / 12s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 2.

Educational level: I.II.

Prerequisites:

Course requirements:
credit 100 %

Learning outcomes:
The main aim of this subject is to pathophysiologically justify the correct provision of first aid at the scene of a sudden accident as an equivalent part of health care. To teach students of the FoMUK some techniques to handle life-endangering situations

Class syllabus:
Motivational background for the first aid administration (personal and legal). Goals of first aid. Significance of oxygen for human organism. Transport of oxygen. Basic life functions, their functional anatomy and correlative realtions. Diagnostics of basic life functions. Essential life-saving actions. Cardiopulmonary resuscitation of adults and children. Automatic external defibrilation. First aid by selected sudden incidents (Accute Coronary Syndrome - heart attack, Cerebrovascular accident, traffic accidents and others, unconsciousness, asphyxia, repiratory obstruction and cardiovascular obstruction, major bleeding, spasmatic conditions). Prevention of sudden incidents.

Recommended literature:
K. Kálig a kol.: Dopravné nehody a prvá pomoc.

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 171

A	B	C	D	E	FX
25,15	38,6	24,56	8,19	3,51	0,0

Lecturers: doc. MUDr. Roman Záhorec, CSc.

Last change: 30.11.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚSL/L-S-ZLa-085/20	Forensic Medicine

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 12s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 9.

Educational level: I.II.

Prerequisites:

Course requirements:
100% participation at practicals
Exam: written test - minimum 60%
theoretical part - 3 questions
Evaluation of the test: A: 91 - 100 %, B: 81 - 90 %, C: 73 - 80 %, D: 66 - 72 %, E: 60 - 65 %, Fx: 59 % and less
Total score is determined from the average of ratings received

Learning outcomes:
Knowledge:
- to learn the basics of forensic medicine and orientation in criminal matters in medical practice
- to gain the knowledge about effective cooperation in the process of identification of dead bodies
- to learn the basics about external and internal examination of a dead body and about determination of the cause of death
- to acquire the knowledge about the compilation of medical certificates and expert's opinions and about the process of their interpretation in front of the court
Skills:
- examination of a dead body and filling in official documents
- participation in the process of identification of persons with undetected identity
- examination of an alleged assailant (principles, documentation)
- examination of a victim (principles, documentation)
- compilation of medical certificates

Class syllabus:
Forensic medicine, its importance and role in medicine and society. Principles of criminal proceedings. Doctor as a witness, doctor as an expert. Medical liability. Death and process of dying. Procedures taken after death. Early and late postmortem changes. Mechanical injuries, abrasions, bruises, wounds. Mechanical asphyxia and its forms, hanging, ligature strangulation, manual strangulation (throttling), smothering, drowning. Fall from height. The effect of changes in atmospheric pressure and of elevated and reduced temperature. The effect of electricity and

lightning. Starvation. Identification of persons according to teeth. Forensic procedures to detect poisoning.

Recommended literature:

Soudní lékařství a jeho moderní trendy.
Jiří Štefan, Jiří Hladík a kolektiv. Praha, Grada Publishing, 2012.
Simpson's Forensic Medicine.
Jason Payne - James, Richard Jones, Steven B Karch, John Manlove. London, Hodder Arnold, 2011.
Soudní lékařství a toxikologie pro vojenské lékaře.
Miloš Sokol, Michal Dogoši, Josef Fusek. Hradec Králové, Univerzita obrany, 2010.
Soudní lékařství.
Michal Dogoši. Bratislava, Bratislavská vysoká škola práva, 2008.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 23

A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0

Lecturers: Dr.h.c. prof. MUDr. Štefan Galbavý, DrSc., prof. MUDr. Jozef Šidlo, CSc.

Last change: 03.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.RK2/L-S-ZLa-090/18	General Radiology

Educational activities:
Type of activities: lecture
Number of hours:
per week: **per level/semester:** 12s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 5.

Educational level: I.II.

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 68

A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jozef Bilický, CSc., prof. MUDr. Viera Lehotská, PhD., MUDr. Silvia Budiačová, MUDr. Lucia Vanovčanová, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-027/21	Gerontostomatology

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 13s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 11.

Educational level: I.II.

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
70,59	11,76	17,65	0,0	0,0	0,0

Lecturers: prof. MUDr. Peter Stanko, PhD., doc. MUDr. Peter Plachý, CSc.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.GPK1/L-S-ZLa-028/20	Gyneacology and Obstetrics

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 18s / 20s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 9.

Educational level: I.II.

Prerequisites:

Course requirements:
100% attendance on practicals and seminars
State exam
o written test – pass the test (minimum 60 %)
o theoretical part: 2 questions (in diferent topics of gynaecology and obstetrics)
Test evaluation: A: 91 - 100 %, B: 81 - 90 %, C: 73 - 80 %, D: 66 - 72 %, E: 60 - 65 %, Fx: 59 % a menej
The final evaluation is done from the average counted from all acquired marks

Learning outcomes:
Theoretical knowledge:
- Anatomy and physiology of female genital tract
- Gynaecological inflamation
- Endometriosis
- Bening and malignant tumors of female genital tract and breast
- Physiology and pathology of pregnancy
- Physiology and pathology of labour
- Physiology and pathology of puerperium

Practical skills
- basic examination in gynaecology and obstetrics
- asisstance by the gynaecological and obstetrical surgeries

Class syllabus:
- Anatomy and physiology of female genital tract
- Gynaecological inflamation
- Endometriosis
- Bening and malignant tumors of female genital tract and breast
- Physiology and pathology of pregnancy
- Physiology and pathology of labour
- Physiology and pathology of puerperium

Recommended literature:

1. Monga, A. et al.: Gynecology by ten Teachers. 19th ed. Oxford University Press, 2011. 224 p. ISBN 978-0340983546
2. Baker, P.N. et al.: Obstetrics by ten Teachers. 19th ed. Oxford University Press, 2011. 352 p. ISBN 978-0340983539
3. Binder, T. a kol. Porodnictví. Karolinum, Praha 2012. 297 s. ISBN 978–80-246-1907-1
4. Rob, L. a kol.: Gynekologie, 2. dopl. a přepr. vyd. Galén, Praha 2008. 319 s. ISBN 978-80-7262-501-7
5. Roztočil, A.: Moderní porodnictví. Grada, Praha 2008. 408 s. ISBN 978-80-247-1941-2
6. Holomáň, K. a kol.: Vybrané kapitoly z pôrodníctva. 2. vyd. Bratislava, Univerzita Komenského 2007. 212 s. ISBN 978-80-223-2286-7
7. Čech, E. a kol.: Porodnictví. Grada, Praha 2006. 546 s. ISBN 80-247-1303-9
8. Šuška, P. a kol.: Vybrané kapitoly z gynekológie. Bratislava, Univerzita Komenského 2003. 254 s. ISBN 80-223-1818-3

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 23

A	B	C	D	E	FX
39,13	21,74	13,04	13,04	13,04	0,0

Lecturers: prof. MUDr. Miroslav Borovský, CSc., prof. MUDr. Kamil Pohlodek, PhD., prof. MUDr. Pavel Šuška, PhD., doc. MUDr. Vladimír Ferianec, PhD., doc. MUDr. Ivan Hollý, CSc., doc. MUDr. Miroslav Korbeľ, CSc., doc. MUDr. Martin Redecha, PhD., doc. MUDr. Martin Šimko, PhD., doc. MUDr. Peter Štencl, CSc., prof. MUDr. Jozef Záhumenský, PhD., MUDr. Rastislav Sysák, PhD.

Last change: 02.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚHE/L-S-ZLa-029/16	Histology and Embryology 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 32s
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 2.

Educational level: I.II.

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 163

A	B	C	D	E	FX
23,93	12,88	12,88	15,34	34,36	0,61

Lecturers: prof. MUDr. Štefan Polák, CSc., prof. RNDr. Ivan Varga, PhD., MUDr. Paulína Gálfiová, PhD., MVDr. Ján Líška, CSc., MUDr. Mgr. Michal Miko, PhD., MUDr. Renáta Mikušová, PhD., MUDr. Simona Polakovičová, PhD., MUDr. Vanda Rísová, PhD., Mgr. Michaela Vrabcová, PhD., RNDr. Mária Csöbönyeiová, PhD., Mgr. Miroslava Juríková, PhD., MUDr. Martin Klein, PhD., MUDr. Mária Lorencová, PhD., RNDr. Marianna Danková, PhD., MUDr. Olia Hussein Jamil El Hassoun, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚHE/L-S-ZLa-030/17	Histology and Embryology 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 32s
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 3.

Educational level: I.II.

Prerequisites: LF.ÚHE/L-S-ZLa-029/16 - Histology and Embryology 1

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 119

A	B	C	D	E	FX
12,61	10,92	14,29	21,01	14,29	26,89

Lecturers: prof. MUDr. Štefan Polák, CSc., prof. RNDr. Ivan Varga, PhD., MUDr. Paulína Gálfiová, PhD., MVDr. Ján Líška, CSc., MUDr. Renáta Mikušová, PhD., MUDr. Simona Polakovičová, PhD., MUDr. Vanda Rísová, PhD., RNDr. Marianna Danková, PhD., MUDr. Mgr. Michal Miko, PhD., RNDr. Mária Csöbönyeiová, PhD., Mgr. Michaela Vrabcová, PhD., Mgr. Miroslava Juríková, PhD., MUDr. Martin Klein, PhD., MUDr. Mária Lorencová, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚH/L-S-ZLa-031/20	Hygiene

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 10s / 15s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 9.

Educational level: I.II.

Prerequisites:

Course requirements:
100 % participation in practical lessons
Written test - students need at least 75 % to pass the exam
Oral exam - consists of 3 questions
Evaluation of the test: A: 96 - 100 % , B: 91-95 % , C: 86 - 90 % , D: 81 - 85 % , E: 75-80 %, Fx: < 75 %
Total score is determined from the average of received ratings

Learning outcomes:
Knowledge:
- about regularities of environmental impact on public health
- about health protection and promotion in the population and individual level
- about preventive medicine principles
- the basic legislation in this area

Skills:
- to control the basic methods for some internal and external environmental factors and the health status of different population groups monitoring
- to investigate the health-nutritional status and formulate the necessary correction in order to protect the health of individuals and population groups, and the prevention of diseases
- to communicate with the public about the issue of environmental, behavioural and psychosocial factors and health at the appropriate level
- to work independently in the counseling field of public health, particulary in the area of oral health
- the self-ability to use obtained results for the dental practice

Class syllabus:
Living conditions and health. Basic environmental health factors. Water and morbidity. The health risks associated with food. Environmental factors and the issue of chronic diseases. The physiological peculiarities of age in primary prevention. Hygiene in common dental practice. Working environment of dentists. Dental surgery and its basic characteristics – spatial, microclimate, microbiological, visual and acoustic. Dental laboratory. Dental radiography. Hygiene requirements for the use of x-ray in dental practice. Health risks of ionizing radiation. Personal

protective equipment for patients and staff. Additional risk factors at dentist´s working place. Ergonomic principles during the patient's treatment. Dust in the working environment. Noise and vibrations, risk of health damage. Special risk of infection in the dental practice. Xenobiotics in the dental practice. Allergens. Heavy metals. Influence of the work environment on the health of dentists. Regime of work and rest and prevention of occupational diseases. Nosocomial infections in dental practice and their prevention. Oral ecosystem. The process of spreading diseases in dentistry. Hygiene of service in stomatological workplace. Disinfection and sterilization in the dental practice. Hygienic principles in the patient's treatment. Hygienic principles in the treatment of patients with infectious disease. Health risk assessments in relation to the environment. Hygiene measures in emergency situations (natural and technological disasters, war conflicts), problems of alternative accommodation, water supply, nutrition of the population.

Recommended literature:

Ševčíková Ľ. and contributors: Hygiene – Environmetal Medicine. Bratislava: Comenius University, 2011. 322 s. ISBN 978-80-223-2900-2.
Ševčíková Ľ. and contributors: Environmental Health - Hygiene. Bratislava : Comenius University, 2015. 253 s. ISBN 978-80-223-3930-8.
Babjaková J., Sekretár S. Nutrition and Food Safety in Public Health. Bratislava: Comenius University, 2015. 136 p. ISBN 978-80-223-3932-2.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 23

A	B	C	D	E	FX
52,17	17,39	17,39	4,35	8,7	0,0

Lecturers: prof. MUDr. Jana Jurkovičová, CSc., prof. MUDr. Ľubica Argalášová, PhD., MUDr. Jana Babjaková, PhD., MPH

Last change: 01.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.IÚ/L-S-ZLa-038/17	Immunology

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 18s
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 4.

Educational level: I.II.

Prerequisites: LF.ÚLBG/L-S-ZLa-004/16 - Biology and Human Genetics 2

Course requirements:
- 80% participation on practicals
- to pass two written tests at least on 60%
Exam: written part: to pass the final test at minimally 60%
oral exam: 3 questions
Evaluation of the test: A:91-100%, B: 81-90%, C:73-80%, D: 66-72%, E:60-65%, Fx:≤ 59%.

Learning outcomes:
Knowledge:
To gain knowledge of general (tisssues, organs, cells, mediators and reactions of immune system) and clinical immunology (allergy, autoimmunity, transplantation, hypersensitivity reactions, inflammation, sepsis, immunodeficiencies, AIDS, tumor immunology,….). Student should understand the role of immune system in the pathogenesis of different diseases. To gain knowledge concerning cooperation of immune system with other systems (nerve system, endocrine system) and the linkage with psyche (psycho-neuro-endocrine immune supersystem) – a holistic view. The role of microbiome.
To gain knowledge about symptomathology of different immune system mediated diseases and based on knowledge to establish a predicted diagnosis.
Skills:
to recognize life threatening immune system mediated diseases – states, when the early diagnosis and treatment can contribute to recovery or at least stabilize the patient (anaphylaxis, serum sickness, pseudoallergie, immunodeficiencies and others).
2. to interprete the results of laboratory immunological tests (eg. titer of antibodies, levels of IgM, IgG, IgA antibodies, the occurence of autoantibodies, the results of immune profil of the patients.
3. to handle blood sampling, the way of blood sampling, to know which type of tubes and chemical substances are necessary for serum, plasma or DNA isolation. To know time intervals for repeated measurments and to be able to explain the obtained results.
4. to handle basic laboratory work habits - collection of blood, making blood smear, working with a microscope, pipetting, the isolation of serum and plasma.

Class syllabus:

Lectures: Immunology, forms of immunity, tissues and organs of immune system. Antigen – complete, incomplete, immunogenicity, specificity and characteristics of antigen. Antibodies, their structure, function, biologic activities. Monoclonal antibodies. Complement system. Phagocytosis. PRR receptors, alarmins, PAMPs and DAMPs. Inflammation, acute phase proteins. Sepsis and MODS. Cytokines, polarization of T cells, antiinfectious immunity. T-, NK- and NKT-lymphocytes. Membranous antigens. HLA complex and its biologic and medical importance. Tissue and organ transplantations. Antigen presentation and development of immune response. Hypersensitivity reactions. Anafylaxis, atopy, oral allergic syndrome. Serum shock, serum diasease, peudoallergies. Central and peripheral tolerance. Breakdown of tolerance, autoimmunity - mechanisms of its development , symptoms (mainly in mouth cavity), diagnosis and therapy. Primary and secondary immune deficiencies and their symptoms, also in mouth cavity. AIDS. Immunosupression and immunostimulation. Therapy with monoclonal antibodies and cytokines.
Practicals/interships: Serologic reactions and their role in immunodiagnosis. Laboratory diagnosis of AIDS. Examination of the immune profile of the subject – methods for determination of the activity of both non-specific (humoral, cellular) and specific immunity (cellular and humoral). Determination and monitoring of inflammation. Methods of transplantation immunology. In vivo and in vitro tests for the diagnosis of allergies. Laboratory diagnosis of autoimmunity.

Recommended literature:

Obligatory textbooks:

Buc M: Basic and Clinical Immunology. 3. Bratislava: Comenius University 2014, 305 p.
Shawkatová I. et al. Laboratory methods in Immunology, Bratislava: Comenius University 2014, 184 p.

Recommended textbooks:

Abbas AK, Lichtman, AH, Pillai S: Cellular and Molecular Immunology. 7th ed. New York: Elsevier, Saunders 2012, 545 s.
Doan T, Melvold R, Viselli S, Waltenbaugh C: Immunology&. 2nd ed. Philadelphia: Lippincot Williams & Wilkins 2013, 376 p.
Bellanti JA (Ed.) Immunology IV. Clinical Applications in Health and Disease. Bethesda: I care Press 2012, 1063 p.
Chapel H, Haeney M, Misbah S, Snowden N.: Essentials of Clinical Immunology. Willey Oxford: Blackwell 2014, 365 p.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 116

A	B	C	D	E	FX
0,86	8,62	17,24	23,28	35,34	14,66

Lecturers: doc. MUDr. Mária Bucová, CSc., prof. MUDr. Milan Buc, DrSc., doc. RNDr. Vladimíra Ďurmanová, PhD., doc. Mgr. Ivana Shawkatová, PhD., MUDr. Monika Homolová, PhD., MUDr. Juraj Javor, PhD., MUDr. Zuzana Párnická, PhD., MUDr. Magda Suchánková, PhD.

Last change: 02.12.2021

Approved by:

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.IK4/L-ZLa-ŠS-2/15	**Course title:** Internal Medicine
Number of credits: 2	
Recommended semester: 9., 10..	
Educational level: I.II.	
State exam syllabus:	
Last change:	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.IK4/L-S-ZLa-039/19	Internal Medicine 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 15s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 7.

Educational level: I.II.

Prerequisites: LF.IK4/L-S-ZLa-044/18 - Internal Propedeutics 2

Course requirements:
100% attendance on practical trainings
Written test: Minimum 60% correct answers

Learning outcomes:
Theoretical knowledge and practical skills in diagnostic, differential diagnostic and therapeutical procedures in cardiology and angiology.

Class syllabus:
see lectures

Recommended literature:
Kumar P, Clark M, et al: Clinical Medicine, 8th edition. Saunders 2012.
Harrison´s Principles of Internal Medicine. The 18th edition, McGrawHill 2012.

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 42

A	B	C	D	E	FX
2,38	66,67	28,57	2,38	0,0	0,0

Lecturers: prof. MUDr. Peter Ponťuch, CSc., doc. MUDr. Jozef Kalužay, PhD.

Last change: 20.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.IK4/L-S-ZLa-040/19	Internal Medicine 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 15s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 8.

Educational level: I.II.

Prerequisites: LF.IK4/L-S-ZLa-039/19 - Internal Medicine 1

Course requirements:
100% attendance on practical trainings
Written test: Minimum 60% correct answers

Learning outcomes:
Theoretical knowledge and practical skills in diagnostic, differential diagnostic and therapeutical procedures in infectology and haematology

Class syllabus:
see lectures

Recommended literature:
Kumar P, Clark M, et al: Clinical Medicine, the 8th edition. Saunders 2012
Harrison´s Principles of Internal Medicine, the 18th edition, McGrawHill 2012
Gantz N.M. et. al : Manual of Clinical Problems in Infectious Disease, Lippincott Williams&Wilkins 2006

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 45

A	B	C	D	E	FX
2,22	73,33	11,11	6,67	6,67	0,0

Lecturers: prof. MUDr. Peter Ponťuch, CSc., doc. MUDr. Igor Stankovič, CSc., doc. MUDr. Jozef Kalužay, PhD., doc. MUDr. Peter Sabaka, PhD., MUDr. Pavlína Bukovinová, PhD., MPH

Last change: 20.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.IK4/L-S-ZLa-041/20	Internal Medicine 3

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 30s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 9.

Educational level: I.II.

Prerequisites: LF.IK4/L-S-ZLa-040/19 - Internal Medicine 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 23

A	B	C	D	E	FX
86,96	13,04	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Peter Ponťuch, CSc., doc. MUDr. Jozef Kalužay, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.IK4/L-S-ZLa-042/20	Internal Medicine 4

Educational activities:
Type of activities: seminar / practicals
Number of hours:
per week: **per level/semester:** 12s / 60s
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 10.

Educational level: I.II.

Prerequisites: LF.IK4/L-S-ZLa-041/20 - Internal Medicine 3

Course requirements:
100% attendance on practical trainings and seminars
State exam: - practical part
- oral part

Learning outcomes:
To acquire practical skills in the physical examination of hospitalized patients, diagnostics of internal diseases and performing health-care documentation during the 2-week continuous practical training. Special problems in internal medicine from the aspect of the dentist

Class syllabus:
see topics on seminars

Recommended literature:
Kumar P, Clark M, et al: Clinical Medicine, the 8th edition. Saunders 2012.
Harrison´s Principles of Internal Medicine, the 18th edition, McGrawHill 2012

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 23

A	B	C	D	E	FX
39,13	17,39	26,09	13,04	4,35	0,0

Lecturers: prof. MUDr. Peter Ponťuch, CSc., doc. MUDr. Jozef Kalužay, PhD.

Last change: 30.11.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.IK4/L-S-ZLa-043/18	Internal Propedeutics 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 30s
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 5.

Educational level: I.II.

Prerequisites: LF.FyÚ/L-S-ZLa-026/17 - Physiology 2

Course requirements:
100% attendance on practical trainings
Written test: Minimum 60% correct answers

Learning outcomes:
Study of basic theoretical knowledge and practical skills in the physical examination of the patient.

Class syllabus:
see lectures

Recommended literature:
Swartz M.H.: Textbook of Physical Diagnosis, 6th edition, Saunders/Elsevier 2010.

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 67

A	B	C	D	E	FX
13,43	53,73	16,42	7,46	8,96	0,0

Lecturers: prof. MUDr. Peter Ponťuch, CSc., doc. MUDr. Jozef Kalužay, PhD., MUDr. Miroslav Budaj, PhD., MUDr. Veronika Pokorná, PhD., MPH

Last change: 20.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.IK4/L-S-ZLa-044/18	Internal Propedeutics 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 25s
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 6.

Educational level: I.II.

Prerequisites: LF.IK4/L-S-ZLa-043/18 - Internal Propedeutics 1

Course requirements:
100% attendance on practical trainings
Written test: Minimum 60% correct answers
Oral exam (three questions)

Learning outcomes:
Laboratory and other examinations used in the internal medicine

Class syllabus:
see lectures

Recommended literature:
Swartz M.H.: Textbook of Physical Diagnosis, 6th edition, Saunders/Elsevier 2010.

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 65

A	B	C	D	E	FX
40,0	21,54	21,54	12,31	1,54	3,08

Lecturers: prof. MUDr. Peter Ponťuch, CSc., doc. MUDr. Jozef Kalužay, PhD., MUDr. Miroslav Budaj, PhD., MUDr. Veronika Pokorná, PhD., MPH

Last change: 20.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚCJ/L-S-ZLa-048/18	Latin Clinical Terminology for Dentistry

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 25s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 6.

Educational level: I.II.

Prerequisites:

Course requirements:
100% active attendance at seminars, successful completion of midterm and final test with minimum 60% after addition of achieved per cent from both tests.
One test during the term (50 points represent 15% of total evaluation).
Final test (exam) during the examination period (200 points represent 85% of total evaluation).
Test evaluation: A: 91 - 100 %, B: 81 – 90 %, C: 73 – 80 %, D: 66 – 72 %, E: 60 – 65 %, Fx: 59 % and less

Learning outcomes:
Knowledge: To learn clinical stomatological vocabulary; inevitable grammatical minimum, creation of professional stomatological terms, lexical minimum in professional terminology focused on stomatological nomenclature.
Skills: The ability to understand constructions of Latin anatomical and clinical terms in particular and to use them correctly. The ability to construct pathological diagnoses and medical prescription.

Class syllabus:
Repetition of the 1st - 5th Latin noun declensions, adjectives, and Greek nouns: 1st - 3rd declensions (3rd declension with emphasis on anatomical nomenclature). Latin numbers - cardinal and ordinal. Cardinal Greek numbers (1 - 15). Medical prescription. Word-formation: Latin prefixes and suffixes in anatomy. Greek prefixes and suffixes in anatomy and pathology. Compounds and hybrid words – anatomical and clinical stomatological terms.

Recommended literature:
Obligatory literature:
Anna Rollerová, Linda Vasiľová, and coll.: Greco-Latin Terminology of Clinical Dentistry. Bratislava UK 2018.
Recommended literature:
1. Bujalková, M. – Jurečková, A.: Terminologia Medica. Greco-Latin Medical Terminology. UK Bratislava 2013.1. Bujalková, M - Šimon, F.: Terminologia Medica Latina. Martin 2015.
2. Galatová, J.: INTRODUCTION TO LATIN MEDICAL TERMINOLOGY FOR OVERSEAS STUDENTS OF MEDICAL SCHOOLS. Bratislava: Vydavateľstvo UK 2012.

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 64

A	B	C	D	E	FX
59,38	21,88	9,38	7,81	1,56	0,0

Lecturers: Mgr. Eva Taranová, PhD., Mgr. Melinda Vasiľová, PhD., Mgr. Ema Pavľáková, PhD., Mgr. Angela Škovierová, PhD., Mgr. Oľga Vaneková, PhD., Mgr. Mária Šibalová, PhD., PhDr. Tomáš Hamar, PhD., Ing. Janka Bábelová, PhD., Mgr. Radoslav Ďurajka, PhD.

Last change: 03.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚCJ/L-S-ZLa-049/16	Latin Medical Terminology

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 26s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 1.

Educational level: I.II.

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 167

A	B	C	D	E	FX
38,92	29,34	13,17	8,38	10,18	0,0

Lecturers: PhDr. Tomáš Hamar, PhD., PhDr. Valéria Jamrichová, Mgr. Angela Škovierová, PhD., Mgr. Eva Taranová, PhD., Mgr. Oľga Vaneková, PhD., Mgr. Melinda Vasiľová, PhD., Mgr. Ivan Lábaj, PhD., Mgr. Daniela Rošková, PhD., Mgr. Ema Pavľáková, PhD., Mgr. Mária Šibalová, PhD., Ing. Janka Bábelová, PhD., Mgr. Radoslav Ďurajka, PhD., Mgr. Marek Šibal, PhD.

Last change: 03.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-057/20	Maxillofacial Surgery 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 48s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 9.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-016/19 - Oral Surgery 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 23

A	B	C	D	E	FX
95,65	4,35	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Peter Stanko, PhD., doc. MUDr. Dušan Hirjak, PhD., doc. MUDr. Juraj Zajko, CSc.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-058/20	Maxillofacial Surgery 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 14s / 48s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 10.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-057/20 - Maxillofacial Surgery 1

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 22

A	B	C	D	E	FX
50,0	40,91	9,09	0,0	0,0	0,0

Lecturers: prof. MUDr. Peter Stanko, PhD., doc. MUDr. Juraj Zajko, CSc.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-059/21	Maxillofacial Surgery 3

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 14s / 86s
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 11.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-058/20 - Maxillofacial Surgery 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Peter Stanko, PhD., doc. MUDr. Dušan Hirjak, PhD., doc. MUDr. Juraj Zajko, CSc.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚLChB/L-S-ZLa-052/17	Medical Biochemistry for Dentistry 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 36s
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 4.

Educational level: I.II.

Prerequisites: LF.ÚLChB/L-S-ZLa-051/17 - Medical Biochemistry for Dentistry 1

Course requirements:
100 % presence in practical exercises and seminars.
On the average minimally 60 % of correct answers in written tests.
Credits are awarded after passing the exam successfully.
Exam: written part (minimally 80 % of correct answers)
oral part – 2 questions

Learning outcomes:
Knowledge: Students will acquire knowledge of biochemical basis of functions in human tissues and organs.
They will get information about molecular mechanisms of organ function regulation from gene expression up to the whole organism level. This is needed for understanding of changes in biochemical processes under pathological conditions and after pharmacological treatment.
Skills: Students will master more complicated laboratory methods used in clinical biochemistry with relation to dentistry.

Class syllabus:
Basis of genetic information transfer, biochemical mechanism or DNA, RNA and protein synthesis. Regulation of gene expression. Vitamins as essential components of food. Gastrointestinal tract and digestion. Biochemistry of the liver. Synthesis and degradation of tetrapyrrols, metabolism of bilirubin. Biochemical aspects of homeostasis, roles of the kidneys in regulation of internal environment of an organism, acid base balance. Metabolism of water and minerals. Mechanisms of chemical signals transfer into a cell. Biochemical basis of the nervous system function. The vegetative nervous system. Hormones and their regulatory roles. The mouth cavity as an integral component of the human organism. Saliva – its secretion and meaning for the mouth cavity. Dental caries and theories of its appearance.

Recommended literature:
1. Practical exercises in biochemistry. Bratislava: Asklepios, the last edition
2. P.C. Champe, R.A. Harvey: Biochemistry. J.B. Lippincott Company, the last edition
3. J. Baynes, M.H. Dominiczak: Medical biochemistry. Mosby, the last edition

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 103

A	B	C	D	E	FX
10,68	2,91	19,42	15,53	33,98	17,48

Lecturers: prof. MUDr. Ladislav Turecký, CSc., doc. Ing. Mária Chomová, PhD., doc. MUDr. Viera Rendeková, CSc., doc. RNDr. Eva Uhlíková, CSc., doc. RNDr. Monika Ďurfinová, PhD., Ing. Lucia Laubertová, PhD.

Last change: 20.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚLChB/L-S-ZLa-051/17	Medical Biochemistry for Dentistry 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 24s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 3.

Educational level: I.II.

Prerequisites: LF.ÚLChB/L-S-ZLa-053/16 - Medical Chemistry for Dentistry

Course requirements:
100 % presence at practical exercises and seminars.
Passing of all written tests during practical exercises with minimally 60 % of correct answers, on the average.
Total evaluation of the course: A: 91-100 %; B: 81-90 %; C: 73-80 %; D: 66-72 %;
E: 60-65 %; Fx: 59 % and less.

Learning outcomes:
Knowledge: Students will acquire knowledge of metabolic pathways in intermediary metabolism of human cells. This forms the basis for explaining of specialized functions of human tissues and organs.
Skills: Students will gain skills in basic laboratory methods used in clinical biochemistry with relation to dentistry.

Class syllabus:
Oxidation of basic compounds, production of energy in animal cells, compartmentation of these processes and meaning of oxidation processes. Conversion of carbohydrates, lipids and proteins and their interrelations. Production and utilization of main energy sources (glycogen, triacylglycerols, ketone bodies). Metabolic and hormonal regulation of these processes, organ relations. Hormonal regulation of blood glucose level. Synthesis of complex lipids. Meaning of lipoproteins and their metabolism. General reactions in amino acid metabolism, production and detoxification of ammonia, synthesis of urea. Roles of the kidneys in maintenance of homeostasis and in excretion of waste products of metabolism. Synthesis and degradation of nucleotides, defects in purine nucleotide metabolism, hyperuricemia. Connective tissue, its structural components and their metabolism. Hard tissues – bones and teeth. Mineralization of hard tissues.

Recommended literature:
1. Practical exercises in biochemistry. Bratislava: Asklepios, the last edition
2. P.C. Champe, R.A. Harvey: Biochemistry. J.B. Lippincott Company, the last edition
3. J. Baynes, M.H. Dominiczak: Medical biochemistry. Mosby, the last edition

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 120

A	B	C	D	E	FX
3,33	6,67	11,67	19,17	43,33	15,83

Lecturers: prof. MUDr. Ladislav Turecký, CSc., doc. Ing. Mária Chomová, PhD., doc. MUDr. Viera Rendeková, CSc., doc. RNDr. Eva Uhlíková, CSc., RNDr. Želmíra Barošková, Ing. Lucia Laubertová, PhD., doc. Ing. Ingrid Žitňanová, PhD., Mgr. Ľubomír Kuračka, PhD., doc. RNDr. Monika Ďurfinová, PhD., RNDr. Zuzana Országhová, PhD., doc. RNDr. Jana Muchová, PhD.

Last change: 20.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚLFBIT/L-S-ZLa-050/16	Medical Biophysics

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 24s
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 1.

Educational level: I.II.

Prerequisites:

Course requirements:
- 100% attendance at practicals
- pass 2 written tests (at least 60%)
- elaborate 10 protocols from practicals
- elaborate semestral thesis

Final Exam: written part – pass the test (at least 60%)
theoretical part – 1 question from theoretical part, 1 question from practicals, interview about semestral thesis
Evaluation of the test: A: 91 - 100 %, B: 81 - 90 %, C: 73 - 80 %, D: 66 - 72 %,
E: 60 – 65 %, Fx: 59 % and less
Total score is determined from the average of achieved grades.

Learning outcomes:
Knowledge: As a supportive course, it provides graduates of medical faculty physical literacy by which they would acquire physical knowledge about the functions of human body both in health, and in disease. Educate students in preventing damage to the organism caused by adverse effects of physical factors or specifically eliminating them.
Skills: Practical knowledge and skills in the use of diagnostic and therapeutic methods in medicine. Apply knowledge in practice in health protection from physical factors (radiation) and their minimalization.

Class syllabus:
Biomechanics of organ systems. Biological oscillations – biological rhythms. Physical characteristics of the cells, tissues and organs. Principles of Molecular Biophysics and interaction of physical, chemical and biological factors with organic substances, cells and tissues. Basic diagnostic and therapeutic methods and biomedical monitoring. Biomaterials useful in medicine.

Recommended literature:
Hrazdira I, Morstein V, Škorpíková J. Lekářská biofyzika a přístrojová technika. Brno, Neptun, 2006, ISBN 80-86850-01-3
Navrátil L, Rosina J. Medicínska biofyzika. Praha, Grada, 2005, ISBN 80-247-1152-4

Kukurová E. Basics of Medical Physics an d Biophysics for electronic education of health professionals. ASKLEPIOS, Bratislava, 2013 ISBN 978–80–7167–177–0
Kukurová E, Medical Physics in questions and answers. . ASKLEPIOS, Bratislava, 2013, I SBN 978–80–7167–174–3

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 174

A	B	C	D	E	FX
4,02	10,34	33,33	27,01	12,64	12,64

Lecturers: doc. RNDr. Martin Kopáni, PhD., doc. PaedDr. Viera Haverlíková, PhD., doc. RNDr. Mgr. Katarína Kozlíková, CSc., doc. RNDr. Pavol Vitovič, PhD., doc. RNDr. Beata Čunderlíková, PhD., RNDr. Eva Kráľová, PhD., RNDr. Jaroslav Varchola, PhD., PhDr. Michal Trnka, PhD.

Last change: 03.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚLChB/L-S-ZLa-053/16	Medical Chemistry for Dentistry

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 24s
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 2.

Educational level: I.II.

Prerequisites:

Course requirements:
Conditions for acceptation of practical education:
- 100% attendance of practices and seminars
- passing 10 written tests (for each test needed 60 % of points at least)
Exam: - test (needed 70 % of points at least)

Learning outcomes:
Knowledge:
- acquirement of knowledge of the structure, properties and biological functions of biogenic compounds
- acquirement of knowledge of some pathophysiological processes in oral cavity – oxidative stress, glycation, glycooxidation and inflammation processes (gingivitis)
- acquirement of knowledge of the dental materials structure and physico-chemical properties
- acquirement of basic knowledge of inorganic and organic compounds toxicity
Skills:
- capability to apply obtained knowledge in comprehensive understanding of metabolic processes and their regulations in human organism
- obtaining the practical experiences in a field of physico-chemical and biochemical methods used in laboratory and clinical practice

Class syllabus:
Lectures: Chemical composition of living systems and function of biogenic elements in organism. Biological mineralization – mineralization of bones and teeth, mineralization and its relationship to regulation of calcium, phosphorus and fluorine metabolism. Bioreactive forms of oxygen, nitrogen and chlorine. Chemical reactions in biological systems. Oral cavity and pH. Relationship between the environment of the oral cavity and the teeth, the pathophysiology of chemical reactions in the oral cavity, tooth decay theory. Structure and properties of substances used in dentistry. Classification of dental materials according to their chemical nature. Amalgams. Plastics as biomaterials. Resin composites and compomers. Resins and monomeric systems. Biochemically important reactions of organic compounds. The structure, properties and biological function of natural compounds (saccharides, lipids). Nonenzymatic glycation in diabetes. Polysaccharides.

Chemical structure and functions of biological membranes. Steroids. Alkaloids. Reactions of amino acids. Peptide hormones and other biologically active peptides. Structure and functions of proteins. Nucleic acids and their sensitivity to mutagenic agents. Oxidative stress, oral cavity and antioxidative systems in organism. Structure and biological function of vitamins. Enzymes – their structure and biological function, mechanism of their action, regulation of catalytical efficiency of enzymes in the organism. Enzymes in oral cavity. The importance and application of enzymes in medicine.
Seminars and practicals: Principles of physico-chemical methods (spectrophotometry, potentiometry, chromatography) and their practical application in laboratory diagnostics. Determination of selected metal ions in biological material, determination of their effect on fragility of erythrocytes. Preparation of solutions and measurement of body fluids pH. Qualitative and quantitative determination of important physiological and pathological metabolites (urea, glucose, ketone bodies, total lipids, malondialdehyde). Thin-layer and gel-permeation chromatographies of amino acids and proteins. Determination and calculation of enzymes activities, study of effects of different factors.

Recommended literature:

Országhová Z., Žitňanová I. et al.: Medical Chemistry. Vydavateľstvo UK, Bratislava, 2010, 272 s.
Hrnčiarová M. et al.: Medical Chemistry, Laboratory part, Asklepios, 1993
Holum J.R.: Fundamentals of General, Organic and Biological Chemistry, 6th Edition, John Wiley and Sons Inc., New York, 1998

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 195

A	B	C	D	E	FX
2,05	10,26	11,28	18,97	25,64	31,79

Lecturers: doc. RNDr. Jana Muchová, PhD., prof. Ing. Zdeňka Ďuračková, PhD., doc. PharmDr. Vladimír Jakuš, CSc., doc. Ing. Ingrid Žitňanová, PhD., RNDr. Lucia Andrezálová, PhD., RNDr. Zuzana Országhová, PhD., RNDr. Želmíra Barošková, Mgr. Ľubomír Kuračka, PhD., doc. RNDr. Monika Ďurfinová, PhD., Mgr. Monika Dvořáková, PhD., doc. MUDr. Viera Rendeková, CSc., MUDr. Peter Ščigulinský, RNDr. Mgr. Marián Koláček, PhD., prof. MUDr. Ladislav Turecký, CSc., doc. RNDr. Eva Uhlíková, CSc., Ing. Lucia Laubertová, PhD., RNDr. Zuzana Paduchová, PhD., RNDr. Zuzana Szentesiová, Ing. Katarína Koňariková, PhD.

Last change: 22.12.2016

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚSLLE/L-S-ZLa-060/17	Medical Ethics

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 18s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 4.

Educational level: I.II.

Prerequisites:

Course requirements:
To take part in all lectures and seminars, deliver the semestral essay in writing form, pass the final credit test (minimum 60% of right answers).

Learning outcomes:
Knowledge:
After successful completion of the course student will be able to:
- define the basic terms, related to Medical Ethics and Bioethics;
- understand the basic paradigms of medical ethics, be oriented and understand the most important milestones from the history of medical ethics;
- identify national and international declarations, ethical codes and conventions related to health care;
- understand the interdisciplinary relationships between ethics, medical ethics, bioethics and related sciences;
- identify and understand the actual ethical and bioethical dilemmas in diverse branches of medicine.
Skills:
After successful completion of the course student will be able to:
- discuss and realize cultivated dialogue and to develop critical thinking;
- perceive ethical side of decision-making;
- perceive bioethical problems in medical practice;
- apply professional freedom, own opinion and make conclusions;
- analyse ethical problem, to use acquired knowledges in argumentation and to adopt own position;
- apply principles of national and international declarations, ethical codes and conventions in the medical practice;
- respect the basic human rights and to solve ethical problem in the context of holistic approach to patients;
- protect the human dignity, honesty and value of each human life in whole human ontogenesis.

Class syllabus:
General part: Introduction into the study of Medical Ethics – the basic terms and definitions. Moral categories. Moral norms. Historical development of medical ethics. Human as bio-psycho-

spiritual-social individual in a health and in an illness. Respect of human dignity, human integrity and human individuality. Conscience and reservation in conscience in medical practice. Ethos of medical doctor and physician´s virtues. Models of ethical consideration and ethical decision-making in medicine. The basic principles of medical ethics, ethical/legal conflicts between them. Relationship between medical doctor and patient, between medical doctor and relatives of patient, between health professionals, optimal communication in a health care. Ethical codes, national and international documents and declarations. Informed consent. Human rights in health care.
Special part: Ethical problems in the beginning of human life (statute of living human embryo, artificially induced termination of pregnancy-abortion, preimplantation and prenatal diagnostics, medically assisted human reproduction). Ethical problems in the end of human life (introduction into the palliative medicine, hospice care). Euthanasia and assisted suicide. Ethical dilemmas in medical care for vulnerable groups of population. Transplantation of human organs from ethical and legal point of view. Ethical aspects of biomedical research with participation of human subjects. Ethical aspects of caring for psychiatric patients.

Recommended literature:

Williams, J. R. Medical Ethics Manual World Medical Association/WMA 3rd edition 2015. ISBN 978-92-990079-0-7. Available on http://www.wma.net/en/30publications/30ethicsmanual/pdf/Ethics_manual_3rd_Nov2015_en.pdf.
Convention for the Protection of Human Rights and Dignity of the Human Being with regard to the Application of Biology and Medicine (Oviedo). Convention on Human Rights and Biomedicine, Directorate of Legal Affairs, Council of Europe, Strassbourg, Nov 1996. Available on: http://www.coe.int/en/web/conventions/full-list/-/conventions/treaty/164
Medical Ethics Today: The BMA´s Handbook of Ethics and Law (3). British Medical Association, Chichester : John Wiley and Sons, 2012.
Journal Medical Ethics & Bioethics/Medicínska etika & bioetika. ISSN 1335-0560. Available on http://www.bioethics.sk/journal-me-and-b.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 119

A	B	C	D	E	FX
73,11	14,29	10,08	1,68	0,84	0,0

Lecturers: MUDr. Jana Trizuljaková, PhD., MUDr. Ján Štvrtina, PhD., Mgr. Mária Kolesárová, PhD.

Last change: 11.03.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.MÚ/L-S-ZLa-053/17	Medical Microbiology 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 20s / 20s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 3.

Educational level: I.II.

Prerequisites: LF.AÚ/L-S-ZLa-002/16 - Anatomy 2 and LF.ÚHE/L-S-ZLa-029/16 - Histology and Embryology 1

Course requirements:
100% attendance at practicals
- 2 written tests; each with the minimum success rate of 60 %
- final test with the minimum success rate of 60%
Evaluation: A: 100-91%, B: 90-81%, C: 80-73%, D: 72-66%, E: 65-60%, Fx: 59 % and less

Learning outcomes:
Knowledge:
- morphology, structure and physiology of microorganisms, genetic processes important from the point of view of human medicine, virulence factors of microorganisms
- interaction of microorganisms and the humans, normal human microflora, pathogenicity of microorganisms for humans, establishment, progression and sequelae of diseases caused by microorganisms, interaction of microorganisms with the human immune system
- antimicrobial strategies, prevention of infectious diseases (disinfection, sterilization, antimicrobial therapy, active and passive immunization)
- basics of microbiologic diagnostics of infectious diseases and interpretation of results
- knowledge about the particular agents of infectious diseases with accent on agents important in stomatology
Skills:
- preparation and evaluation of microscopical preparations of biological samples and pure bacterial and fungal cultures
- detection of microbial antigens in the biological samples using rapid diagnostic tests
- inoculation of the biological samples on culture media, pure culture technique
- performing and evaluation of simple biochemical and serological identification tests
- performing, evaluation and interpretation of antimicrobial susceptibility tests
- performing and interpretation of serological tests for detection of specific antibodies, used in microbiology

Class syllabus:

Lectures: Microorganisms and humans. Development and course of infectious diseases. Bacteria - taxonomy, morphology, structure, growth and multiplication. Bacteria - genetics, pathogenicity and virulence. Survey of the medically important bacteria with relation to stomatology - grampositive bacteria, gramnegative bacteria, spiral bacteria and the other bacteria not stainable according to Gram. Acid-fast bacteria and anaerobic bacteria.
Antimicrobial agents - categorisation. Antibiotics, mechanisms of activity, antimicrobial resistance. Disinfection and sterilization.
The basics of mycology, micromycetes with relation to stomatology. Antimycotics. Viruses - taxonomy, morphology, structure, physiology, genetics, pathogenicity; prions; bacteriophages. DNA-viruses and RNA-viruses with relation to stomatology. The basics of parasitology and the antiparasitic drugs. Physiological microflora of the human skin and mucosae and its role in pathogenesis of diseases.
Practicals: The basics of sampling and transport of biological samples for microbiological laboratory diagnostics. Direct and indirect microbiological diagnostics. Antimicrobial susceptibility testing. Laboratory diagnostics of bacterial, viral, fungal and parasital infections.

Recommended literature:

Obligatory study literature:

Bagg,J., et al: Essentials of Microbiology for Dental Students. 2nd ed. Oxford University Press, 2006, 348 pp.
Shunnar, A. et al: Manual for the practical exercises in microbiology for dental students. Bratislava: Comenius University, 2009, 81 pp.
Shunnar, A. et al: Manual for the practical exercises in microbiology. Theoretical introduction. Bratislava: Comenius University, 2011, 172 pp. – selected chapters.

Recommended study literature:

Samaranayake, L.P.: Essential Microbiology for Dentistry. New York, Churchill Livingstone Elsevier, 2012, 382 pp.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 127

A	B	C	D	E	FX
18,11	17,32	18,9	21,26	19,69	4,72

Lecturers: doc. RNDr. Nasir Ahmad Jalili, CSc., MPH, doc. RNDr. Lívia Slobodníková, CSc., Mgr. Zuzana Hubenáková, PhD., RNDr. Lucia Janošíková, RNDr. Ján Predný, MUDr. Ján Koreň, PhD., doc. MUDr. Adriana Liptáková, PhD., MPH, Mgr. Marek Straka

Last change: 21.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.MÚ/L-S-ZLa-054/17	Medical Microbiology 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 20s / 24s
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 4.

Educational level: I.II.

Prerequisites: LF.MÚ/L-S-ZLa-053/17 - Medical Microbiology 1

Course requirements:
- 100% attendance at practicals
- 2 written tests; each with the minimum success rate of 60 %
Exam: written part - test with the minimum success rate of 60%
theoretical part - 3 questions (medical microbiology, clinical microbiology. microbial infections in stomatology)
Evaluation of the test: A: 100-91%, B: 90-81%, C: 80-73%, D: 72-66%, E: 65-60%, Fx: 59 % and less
The total evaluation is determined from average of the obtained evaluations

Learning outcomes:
Knowledge:
- normal oral flora ant its role in establishment of dental caries, endodontic infections, periodontal diseases, parotitis and diseases of soft tissue and bones in the area of head and neck; knowledge of agents of diseases of oral mucosa and angular cheilitis
- role of dental infections and infections in oral cavity in establishment of systemic infections of odontogenic etiology
- knowledge about agents of infectious diseases of the particular organs and organ systems, about the mode of their transmission and the most important virulence factors used in the pathogenesis
- predisposing factors for establishment of infectious diseases of the particular organs and organ systems, about the possibility of their prevention and therapy
- sampling and transport of material corresponding to infectious diseases of particular organs and organ systems and the corresponding microbiological diagnostics
Skills:
on the model patients, evaluation and interpretation of microbiological diagnostical tests used in the diagnostics of diseases of microbial etiology in stomatology and infectious diseases of the particular organs and organ systems

Class syllabus:
Lectures: Basis of clinical microbiology. Normal oral flora. Carrier state of pathogenic microorganisms in oral cavity. Dental plaque and dental caries; infections of the pulp.

Periodontal microbial diseases; microbial diseases of periapical tissues and jaw-bones. Periimplantitis. Salivary gland diseases.
Microbial diseases of oral mucosa and oral manifestations of systemic diseases. Infections of the respiratory tract.
Infections of odontogenic etiology. Infections of cardiovascular system. Infective endocarditis; sepsis. Neuroinfections. Infections of the skin, subcutaneous tissue; infections of muscles and bones.
Infections of urogenital system. Gastrointestinal infections. Hepatitis. Retroviral infections and AIDS. Antiinfectious control, nosocomial infections, infections caused by resistant bacteria. Infections in dental office. Immune system of the oral cavity, vaccination.
Practicals: Visualization and microscopical analysis of dental plaque. Laboratory diagnostics of microbial diseases of the oral cavity, dental and periodontal infections, infections of salivary glands, jaws and infections of odontogenic etiology. Laboratory diagnostics of respiratory infections, cardiovascular system, sepsis, neuroinfections, infections of skin, soft tissue and bones, gastrointestinal tract and urogenital tract.

Recommended literature:

Bagg,J., et al: Essentials of Microbiology for Dental Students. 2nd ed. Oxford University Press, 2006, 348 pp.
Shunnar, A. et al: Manual for the practical exercises in microbiology for dental students. Bratislava: Comenius University, 2009, 81 pp.
Shunnar, A. et al: Manual for the practical exercises in microbiology. Theoretical introduction. Bratislava: Comenius University, 2011, 172 pp. – selected chapters.
Recommended study literature:
Samaranayake, L.P.: Essential Microbiology for Dentistry. New York, Churchill Livingstone Elsevier, 2012, 382 pp.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 95

A	B	C	D	E	FX
21,05	15,79	23,16	16,84	15,79	7,37

Lecturers: doc. MUDr. Adriana Liptáková, PhD., MPH, doc. RNDr. Nasir Ahmad Jalili, CSc., MPH, doc. RNDr. Lívia Slobodníková, CSc., MUDr. Ján Koreň, PhD., Mgr. Hana Dibalová, PhD.

Last change: 21.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.PK/L-S-ZLa-056/18	**Course title:** Medical Psychology and Communication
Educational activities: **Type of activities:** lecture / practicals **Number of hours:** **per week:** **per level/semester:** 12s / 10s **Form of the course:** on-site learning	
Number of credits: 2	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 100% attendance at practicals Written exam (minimum 60%) Test results: A: 91-100%, B:81-90%, C:73-80%, D:66-72%, E: 60-65%, FX: less than 59% Oral exam: 2 questions Overall valuation will be assigned due to the average of obtained valuations.	
Learning outcomes: Knowledge: To learn and understand General and Developmental Psychology, Psychology of Patient (Patopsychology), Doctor and Healthcare Environment, Learn Psychology of Clinical Examination and Treatment (Placebo effect) Skills: To handle communication with Patient – General Principles, Identification of Distortion Factors, mastering in coping with Selected Situations in Contact Doctor - Patient – Adults and Children	
Class syllabus: Psychic Functions and Processes, Developmental Stages and their Specifics, Patient´s Coping with Disease – factors and their identification. Practice of Techniques and Principles of Communication with Patient – children and adults, use of Clinical Examination Model, Modelling of patients attitudes towards disease, Placebo effect, Selected clinical and psychological problems	
Recommended literature: ŽUCHA, I. et al.: Medical Psychology. Bratislava: UK, 2013, 92 pp., ISBN 978-80-223-3371-9. COATES, G. T.: Notes of Communication: A Few Thoughts about the Way We Interact With the Poeple We Meet. (online), 180 pp. (cit.2013-06-12). Free e-book from www.wanterfall.com. Available at: http://www.wanterfall.com/Downloads/Communication.pdf WELSBY, P. D.: Communication Skills in the Medical Interview (online). (Modified: 16/06/2008 12:20, 17pp (cit.2013-06-12. Free e-book from www.wanterfall.com. Available at: http://faculty.ksu.edu.sa/drfahad/Articles/communication%20Skills%20in%20the%20Medical%20Interview.PDF	

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 65

A	B	C	D	E	FX
16,92	15,38	38,46	15,38	13,85	0,0

Lecturers: prof. MUDr. Ján Pečeňák, CSc., doc. MUDr. Ľubomíra Izáková, PhD., MUDr. Mária Králová, CSc., doc. PhDr. Eva Morovicsová, PhD., MPH

Last change: 21.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-131/18	Modern Diagnostics, Simulation and 3D Printing in Dentistry

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 4s / 20s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 5.

Educational level: I.II.

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 65

A	B	C	D	E	FX
60,0	16,92	12,31	1,54	9,23	0,0

Lecturers: doc. MUDr. Andrej Thurzo, PhD., MPH, MHA

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.NK1/L-S-ZLa-061/19	Neurology

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 17s / 25s
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 7.

Educational level: I.II.

Prerequisites: LF.ÚPA/L-S-ZLa-072/18 - Pathological Anatomy 2 and LF.ÚPF/L-S-ZLa-074/18 - Pathological Physiology 2

Course requirements:
100 % attendance on practicals, patient examination and elaboration of complete patient record, written test – minimum 60 %
Test grading: A: 93 - 100 %, B: 85 – 92 %, C: 77 – 84 %, D: 69 – 76 %, E: 60 – 68 %,
Fx: 0 - 59 %
Oral examination

Learning outcomes:
Knowledge: molecular mechanisms underlying nervous system activity, functional neuroanatomy, major neurologic syndromes, manifestation of nervous system disorders, principles and techniques of clinical and instrumental neurological examination, etiopathogenesis, clinical manifestation, diagnostic and therapy of common neurologic disorders
Skills: mastering of technique and interpretation of clinical and instrumental neurological examination, identification of signs and symptoms of major neurological disorders, interpretation of laboratory findings in context of clinical picture, elaboration of diagnostic and therapeutic program in major neurological disorders

Class syllabus:
signs and symptoms of nervous system disorders, major neurologic syndromes, clinical neurological examination – technique and interpretation, EEG, EP, EMG, USG, CT, MRI, lumbar puncture – principles, indications and interpretation, cerebrovascular diseases, epilepsy, headache and craniofacial pain, neurodegenerative diseases, vertebrogenic disorders, tumors of nervous system, infections of nervous system, demyelinating diseases, disorders of peripheral nervous system, disorders of neuromuscular transmission, disorders of skeletal muscles, trauma of nervous system, neurological complications of systemic disease

Recommended literature:
Biller J et al: The Neurological Examination, 6th ed., The McGraw-Hill Companies Inc, 2011, Benarroch E et al: Mayo Clinic Medical Neurosciences, 5th ed., Mayo Clinic Scientific Press 2008, Ropper AH et al: Adams&Victor's Principles of Neurology, 9th ed, The McGraw-Hill

Companies, Inc, 2009, Bradley WQ et al: Neurology in Clinical Practice, 5th ed, Butterworth-Heinemann, 2007

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 45

A	B	C	D	E	FX
0,0	4,44	6,67	28,89	53,33	6,67

Lecturers: prof. MUDr. Peter Turčáni, PhD., prof. MUDr. Branislav Kollár, PhD., MPH, doc. MUDr. Karin Gmitterová, PhD., doc. MUDr. Jaroslav Pancák, PhD., doc. MUDr. Marek Sýkora, PhD., doc. MUDr. Stanislav Šutovský, PhD., MUDr. Zoltán Goldenberg, PhD., MUDr. Marián Kondáš, PhD., doc. MUDr. Pavel Šiarnik, PhD., MUDr. Katarína Klobučníková, PhD.

Last change: 21.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KO/L-S-ZLa-062/19	Ophthalmology

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 12s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 8.

Educational level: I.II.

Prerequisites:

Course requirements:
Knowledge: 100 % of participation in practicals
Final test: 20 questions with minimum 60 % of correct answers
Test score: A: 91 - 100 %, B: 81 – 90 %, C: 73 – 80 %, D: 66 – 72 %, E: 60 – 65 %, Fx: 59 % and less
Exam: Theory: 3 questions: basic principles of optics, examination methods in Ophthalmology, general Ophthalmology, special Ophthalmology, Pedoophthalmology, acute situations and first aid in Ophthalmology
Total score is determined from the average of received ratings.

Learning outcomes:
Knowledge/Skills:
Knowledge: - Acquiring basic, theoretical and practical knowledge in the field of Ophthalmology pediatric and adult patients. Basic examination in Ophthalmology (visual acuity test, direct and indirect ophthalmoscopy, slit lamp examination, perimetry)
- Basic problems of clinical morphology and physiology of vision. Diagnostic procedures in ophthalmology: an investigation in daylight and side light. Biomicroscopy of the eye. Ophthalmoscopy direct and indirect. Investigation of visual acuity, field of vision and color perception. Additional tests in Ophthalmology: diagnostic ultrasound, fluorescein angiography of retinal blood vessels, optical coherence tomography, basic radiodiagnostics in Ophthalmology. Pedoophthalmology, Ophtalmogenetics, Ophthalmogerontology, Ophthalmogeriatrics. Relationship between Ophthalmology and other medical specialties – stomatosurgery, maxillofacial surgery, otorinolaryngology. General disorders and their manifestations in the eye. Screening in Ophthalmology. Diseases of the eye subsidiary bodies. Diseases of the anterior segment of the eye. Modern cataract surgery. Refractive disorders of the eye. Basics of refractive surgery. Vascular and degenerative diseases of the retina and vitreous. Basics of vitreous-retinal surgery. Glaucoma. Traumatology of the eye. Neurooophthalmology, Ophthalmooncology.

Class syllabus:

- The basis of investigation techniques, history, principles of treatment of diseases of the anterior and posterior segment of the eye, the algorithm in the differential diagnosis of eye diseases, especially inflammatory etiology and injuries.
- Treatment of patients with diseases of the eye and orbit. Problems included patients with impairments of the eye to the environment - assessment activities. - First aid and urgent conditions in Ophthalmology. Tumors of the eye and disease of the orbit.

Recommended literature:

1. Ahmed, E.: Textbook of Ophthalmology, Oxford University Press, London, 1993, 505 p.
2. Kanski, J.J.: Clinical Ophthalmology. A Systemic Approach. Butterwoth Heinemann, 2003, 720 p.
3. Oláh, Z.: Ophthalmology, Lectures for the 5th Class. LFUK, Bratislava, 100 p.
4. Evans, N.: Ophthalmology, Oxford University Press, 1995, 320 p.
5. Jogi, R.: Basic Ophthalmology, 4 th edition, Jaype Brothers Medical Publishers LTD. New Delhi, 2009, 502 p.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 43

A	B	C	D	E	FX
13,95	16,28	23,26	25,58	20,93	0,0

Lecturers: doc. MUDr. Vladimír Krásnik, PhD., prof. MUDr. PhDr. Alena Furdová, PhD., MPH, prof. MUDr. Anton Gerinec, CSc., doc. MUDr. Dana Tomčíková, PhD., doc. MUDr. Jana Štefaničková, PhD.

Last change: 02.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-068/20	Oral Medicine

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 14s / 12s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 10.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-067/20 - Periodontology 1

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 22

A	B	C	D	E	FX
9,09	18,18	36,36	27,27	9,09	0,0

Lecturers: MUDr. Amir Amiry Manesh, PhD., MUDr. Rastislav Edelstein, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-015/18	Oral Surgery 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 24s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 6.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-079/17 - Preclinical Dentistry 4 and LF.AÚ/L-S-ZLa-088/17 - Topographical Anatomy of the Head

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 65

A	B	C	D	E	FX
67,69	27,69	4,62	0,0	0,0	0,0

Lecturers: doc. MUDr. Dušan Hirjak, PhD., prof. MUDr. Peter Stanko, PhD., doc. MUDr. Juraj Zajko, CSc.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-016/19	Oral Surgery 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 60s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 7.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-015/18 - Oral Surgery 1

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 43

A	B	C	D	E	FX
58,14	23,26	13,95	0,0	4,65	0,0

Lecturers: doc. MUDr. Dušan Hirjak, PhD., doc. MUDr. Juraj Zajko, CSc.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-017/19	Oral Surgery 3

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 66s
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 8.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-016/19 - Oral Surgery 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 43

A	B	C	D	E	FX
11,63	16,28	32,56	25,58	13,95	0,0

Lecturers: prof. MUDr. Peter Stanko, PhD., doc. MUDr. Dušan Hirjak, PhD., doc. MUDr. Juraj Zajko, CSc.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-063/21	Oral and Maxillofacial Surgery

Educational activities:
Type of activities: lecture / seminar / practicals
Number of hours:
per week: **per level/semester:** 12s / 10d / 122s
Form of the course: on-site learning

Number of credits: 10

Recommended semester: 12.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-059/21 - Maxillofacial Surgery 3

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
35,29	41,18	23,53	0,0	0,0	0,0

Lecturers: prof. MUDr. Peter Stanko, PhD., doc. MUDr. Dušan Hirjak, PhD., doc. MUDr. Juraj Zajko, CSc.

Last change:

Approved by:

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.KÚČTCh/L-ZLa-ŠS-3/16	**Course title:** Oral and Maxillofacial Surgery
Number of credits: 2	
Recommended semester: 11., 12..	
Educational level: I.II.	
State exam syllabus:	
Last change:	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-005/19	Orthodontics 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 4s / 18s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 8.

Educational level: I.II.

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 45

A	B	C	D	E	FX
31,11	42,22	15,56	6,67	4,44	0,0

Lecturers: doc. MUDr. Andrej Thurzo, PhD., MPH, MHA, MDDr. Soňa Pintešová, PhD., MUDr. Juraj Lysý, PhD., MPH, MDDr. Martina Sirotková, MDDr. Nora Kelecsényiová

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-006/20	Orthodontics 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 7s / 12s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 9.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-005/19 - Orthodontics 1

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 22

A	B	C	D	E	FX
9,09	22,73	36,36	9,09	22,73	0,0

Lecturers: MUDr. Juraj Lysý, PhD., MPH, doc. MUDr. Andrej Thurzo, PhD., MPH, MHA, MDDr. Nora Kelecsényiová, MDDr. Martina Sirotková, MDDr. Soňa Pintešová, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-007/20	Orthodontics 3

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 4s / 12s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 10.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-006/20 - Orthodontics 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 22

A	B	C	D	E	FX
36,36	13,64	13,64	22,73	13,64	0,0

Lecturers: MUDr. Juraj Lysý, PhD., MPH, MDDr. Soňa Pintešová, PhD., MDDr. Nora Kelecsényiová, MDDr. Martina Sirotková, doc. MUDr. Andrej Thurzo, PhD., MPH, MHA

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-008/21	Orthodontics 4

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 7s / 18s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 11.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-007/20 - Orthodontics 3

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
64,71	23,53	11,76	0,0	0,0	0,0

Lecturers: MUDr. Juraj Lysý, PhD., MPH, MDDr. Nora Kelecsényiová, doc. MUDr. Andrej Thurzo, PhD., MPH, MHA, MDDr. Soňa Pintešová, PhD., MDDr. Martina Sirotková

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-009/21	Orthodontics 5

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 4s / 30s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 12.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-008/21 - Orthodontics 4

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
58,82	11,76	17,65	5,88	5,88	0,0

Lecturers: MUDr. Juraj Lysý, PhD., MPH, MDDr. Nora Kelecsényiová, doc. MUDr. Andrej Thurzo, PhD., MPH, MHA, MDDr. Soňa Pintešová, PhD., MDDr. Martina Sirotková

Last change:

Approved by:

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.KSMCh/L-ZLa-ŠS-4/16	**Course title:** Orthopaedic Dentistry
Number of credits: 2	
Recommended semester: 11., 12..	
Educational level: I.II.	
State exam syllabus:	
Last change:	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-064/21	Orthopaedic Dentistry 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 18s / 72s
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 11.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-095/20 - Dental Prosthetics 5

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
41,18	23,53	11,76	17,65	5,88	0,0

Lecturers: prof. MUDr. Peter Stanko, PhD., MDDr. Anna Korpášová, MDDr. Nikos Leptos, doktor medicíny Halyna Pruts

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-065/21	Orthopaedic Dentistry 2

Educational activities:
Type of activities: lecture / seminar / practicals
Number of hours:
per week: **per level/semester:** 8s / 10s / 98s
Form of the course: on-site learning

Number of credits: 9

Recommended semester: 12.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-064/21 - Orthopaedic Dentistry 1

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
94,12	0,0	5,88	0,0	0,0	0,0

Lecturers: prof. MUDr. Peter Stanko, PhD., MDDr. Anna Korpášová, MDDr. Nikos Leptos, doktor medicíny Halyna Pruts

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KORL/L-S-ZLa-066/19	Otorhinolaryngology

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 18s / 25s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 7.

Educational level: I.II.

Prerequisites:

Course requirements:
All practicals need to be attended
Ability to run patient's notes
Test results need to reach 60% or more correct answers in order to pass
(A: 91 - 100 %, B: 81 – 90 %, C: 73 – 80 %, D: 66 – 72 %, E: 60 – 65 %,
Fx: 59 % and less)
Practical exam
Final evaluation takes into consideration all partial evaluations

Learning outcomes:
Learning outcomes:
Knowledge: Profound theoretical knowledge in anatomy and physiology of ENT organs and neighboring areas. Knowledge on etiology, pathophysiology, diagnostics and treatment of ENT pathology. Basics of pharmacology in ENT, especially in infectious diseases. Theoretical knowledge on therapeutical approaches in ENT focused on oral cavity, nose, paranasal sinuses and the neck, principles of endoscopic diagnostic and surgical techniques in ENT. Principles of physiology and pathophysiology of hearing, basic knowledge of radiology in ENT. Basics of diagnostics and treatment in ENT oncology.
Practical skills: History taking, physical examination of ENT organs, otoscopy, examination of the nose and nasal cavity including endoscopy, laryngoscopy including flexible laryngoscopy, epipharyngoscopy, examination of oral cavity and oropharynx, palpation of the neck. Reading and understanding of pure tone hearing test and tympanogram, principle of the neonatal hearing screening, evaluation of the CT and MRI of paranasal sinuses and the neck. Student must be able to make the provisional diagnosis including differential diagnoses, indicate appropriate examinations and therapeuticaly manage the patient.

Class syllabus:
Basics of anatomy and physiology of ENT organs. Standard examination methods including audiological diagnostics, neonatal screening of hearing. Symptoms of ENT diseases, disaseas of ear, nose, sinuses, larynx, pharynx, oesophagus, thyroid and parathyroid glands, salivary glands and the neck. Tracheostomy, cricothyroidotomy, intubation. Tracheostomy care. Aspects of care

after laryngectomy, tonsillectomy, ear and nose surgeries. ENT emergencies- choking, nose bleeds, bleedng from the mouth, managemet of inhaled and ingested foregin bodies. Management of the patient with head and neck cancer. Head and neck trauma.

Recommended literature:

Tedla et al.: Basic Otorhinolaryngology (Vydavateľstvo UK, 2016, in press)
Anniko M et al.: Otorhinolaryngology, Head and Neck Surgery, Springer-Verlag Berlin Heidelberg 2010, 737 pp.
Becker, W., Naumann, H.H., Pfaltz, C.R.: Ear, Nose, and Throat Diseases. Sec. Ed. Thieme Verlag, Stuttgart, 1994, 581 s.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 42

A	B	C	D	E	FX
19,05	9,52	19,05	21,43	30,95	0,0

Lecturers: prof. MUDr. Milan Profant, CSc., doc. MUDr. Zuzana Kabátová, CSc., MUDr. Irina Goljerová, CSc.

Last change: 02.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-019/21	Paediatric Dentistry

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 30s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 11.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-047/20 - Restorative Dentistry 3

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
70,59	23,53	5,88	0,0	0,0	0,0

Lecturers: MUDr. Andrea Nováková, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.D_K/L-S-ZLa-075/20	Paediatrics

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 18s / 20s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 9.

Educational level: I.II.

Prerequisites: LF.IK4/L-S-ZLa-040/19 - Internal Medicine 2

Course requirements:
100% presence in practicals/interships
Exam: written part – complete test minimally on 60%
practical part – examination of pediatric patient
theoretical part – 2 questions form pediatric problems
Evaluation of test: A: 91-100%, B: 81-90%, C: 73-80%, D: 66-72%, E: 60-65%. Fx:59% and less
General evaluation will be determined from average of acquired knowledge

Learning outcomes:
Knowledge:
Division of children´s age. Growth and development of child. Congenital heart diseases. Nutrition disorders. Malabsorption syndrome. Bleeding diseases. Diabetes mellitus. Thyroid diseases. Kidneys and urinary tract disorders. Disorders of Immune system. Respiratory diseases. Poisons. Principles of antibiotic treatment. Hypertension. Breast feeding especially from point of view of teeth development.
Skills:
Examination of child. History, status presence generalis and localis. Practical management of diagnostics and treatment of following states: Acute and chronic disorders of nutrition, respiratory diseases, kidney and urinary tract disorders, headache and bellyache, diabetes mellitus, Principles of antibiotic and antipyretic treatment in children, puberty problems.

Class syllabus:
Growth and development of child. Nutrition. Newborn period: physiology and pathology. Congenital and acquired heart disease, heart failure. Hypertension in children. Congenital and acquired respiratory diseases. Disorders of immune system. Congenital and acquired gastrointestinal tract disorders. Disorders of blood and blood produced organs – anemia, bleeding diseases, leukemias, Morbus Hodgkin. Congenital and acquired disorders of kidney and urinary tract. Enocrine diseases of childhood. Diabetes mellitus. Intoxications. Infectious and exanthematous diseases. Vaccination.
Lectures:

Division of children´s age. Growth and development of child. Congenital heart diseases. Nutrition disorders. Malabsorption syndrome. Disorders of blood and blood produced organs. Diabetes mellitus. Thyroid diseases. Kidneys and urinary tract disorders. Disorders of Immune system. Respiratory diseases. Poisons. Principles of antibiotic treatment. Hypertension. Breast feeding especially from point of view of teeth development.
Practicals/intership:
Examination of child. History, status presence generalis and localis. Practical management of diagnostics and treatment of following states: Acute and chronic disorders of nutrition, respiratory diseases, kidney and urinary tract disorders, headache and bellyache, diabetes mellitus, Principles of antibiotic and antipyretic treatment in children, puberty problems.

Recommended literature:
Červeňová O. a kol.: Vybrané kapitoly z pediatrie pre študentov zubného lekárstva. Bratislava, Univerzita Komenského, 2012, 124s ISBN:978802233206 4

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 23

A	B	C	D	E	FX
8,7	26,09	26,09	21,74	17,39	0,0

Lecturers: prof. MUDr. Ingrid Brucknerová, PhD., prof. MUDr. Ľudmila Podracká, CSc., MUDr. Ľubomír Barák, CSc., MUDr. Iveta Čierna, PhD.

Last change: 02.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚPA/L-S-ZLa-071/17	Pathological Anatomy 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 36s / 36s
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 4.

Educational level: I.II.

Prerequisites: LF.AÚ/L-S-ZLa-002/16 - Anatomy 2 and LF.ÚHE/L-S-ZLa-030/17 - Histology and Embryology 2

Course requirements:
100% histopathology and autopsy class attendance.
To pass 2 written control tests - Multiple Choice Test, minimum score of 60 %
Score is determined from the average of ratings received: A: 91 - 100 %, B: 81 – 90 %, C: 73 – 80 %, D: 66 – 72 %, E: 60 – 65 %, Fx: 59 % and less

Learning outcomes:
Knowledge:
Etiology and pathogenesis of pathological changes in tissues and organs. Recognition of the connections between clinical manifestations and pathological-anatomic substrate of diseases. Pathomorphologic changes of tissues and organs in correlation with functional changes.
Skills:
Working with light microscope. The use of conventional, special staining methods and histochemical methods in the differential diagnosis of pathological processes.

Class syllabus:
General pathology: methods in pathology, cell pathology, regressive and progressive changes, necrosis, atrophy, metabolic diseases, disorders of blood and lymph circulation, inflammation – acute, chronic, granulomatous, developmental defects, nutritional disease, immunopathology, AIDS, transplantation pathology, environmental pathology, molecular basis of diseases. Description of gross pathological changes. Arrangement of diagnoses in autopsy report.
General oncology: nomenclature and taxonomy of tumors, cancerogenesis, tumor growth and its influence on organism, benign and malignant tumors, histological diagnostics, grading and staging, tumor markers, invasion and metastasis, epithelial and mesenchymal tumors, neuroectodermal tumors, mixed tumors, teratomas, germ cell tumors, tumors of placenta, mesothelioma. Hemopoetic tumors, malignant lymphoma.

Recommended literature:
Harsh Mohan: Textbook of Jaypee Brothers Medical Publishers LTD., 2010, 933 p.
Robins and Cotrans: Atlas of Pathology, ELSEVIER 2006, 529 p.

Damjanov Ivan: Atlas of Histopathology, Jaypee Brothers Medical Publishers LTD., 2012, 399 p.

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 118

A	B	C	D	E	FX
2,54	39,83	40,68	11,86	5,08	0,0

Lecturers: prof. MUDr. Pavel Babál, CSc., prof. MUDr. Ľudovít Danihel, CSc., doc. MUDr. Zuzana Čierna, PhD., MUDr. Mgr. Vladimír Šišovský, PhD., MUDr. Kristína Mosná, PhD., MUDr. Pavol Janega, PhD., MUDr. Andrea Janegová, PhD., MUDr. Kristína Mikuš Kuracinová, PhD., MUDr. Hedviga Mrázová, PhD., MUDr. Michal Palkovič, PhD., MPH, MUDr. Katarína Letkovská, PhD., MUDr. Samuel Horák

Last change: 03.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚPA/L-S-ZLa-072/18	Pathological Anatomy 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 32s / 32s
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 5.

Educational level: I.II.

Prerequisites: LF.ÚPA/L-S-ZLa-071/17 - Pathological Anatomy 1

Course requirements:
100% histopathology and autopsy class attendance.
Histopathology class - to pass 2 written control tests - Multiple Choice Test, minimum score of 60 %
Autopsy classes - Continuous oral evaluation of knowledge
Complex exam:
- Practical exam in autopsy room – oral form
- Description of 1 histopathological slide
- Final written multiple choice test – minimum score of 60 %
- Oral exam 3 questions 1 - general pathology, oncology
1 - systemic pathology
1 – pathology of orofacial region
Test scoring: A: 91 - 100 %, B: 81 – 90 %, C: 73 – 80 %, D: 66 – 72 %, E: 60 – 65 %, Fx: 59 % and less
Total score is determined from the average of ratings received.

Learning outcomes:
Knowledge:
Morphologic changes of the organs in tumorous and non-tumorous processes. Tumor classification, grading, staging. Pathology of orofacial region. Diagnosis arrangement of autopsy report based on gross and microscopical examination.
Skills:
The use of modern immunohistochemical, molecular-biological and ultrastructural methods in diagnostics of pathological processes.

Class syllabus:
Special pathology of orofacial region: oral cavity and dental pathology– developmental dental anomalies, dental caries, diseases of the dental pulp, acute and chronic inflammations, parodontal and gingival diseases, bacterial and viral infections, oral manifestation of hormonal and systemic diseases, periodontal diseases, occlusal trauma. Diseases of oral mucosa, tongue and lips, developmental anomalies, inflammations, changes caused by systemic disorders, vitamins deficiency. Temporo-mandibular joint diseases. Pseudotumors of oral cavity, hyperplasia,

odontogenic cysts, non-odontogenic cysts, benign and malignant orofacial region tumors – epithelial, mesenchymal. Odontogenic tumors. Salivary glands pathology – sialoadenosis, sialolithiasis, sialoadenitis, Sjogren syndrome, salivary gland tumors – benign, malignant.
Special systemic pathology: cardiovascular system – vascular diseases, atherosclerosis, heart diseases, respiratory system – inflammations, allergies, emphysema, tumors, hemopoetic system, pathology of spleen, lymph nodes, nephropathology – vascular disorders, glomerulonephritis, tumors, ulcerous colitis, Crohn´s disease, metabolic diseases, endocrine system – syndromes, tumors, neuroendocrine system, skin – inflammations, tumors, genitals – inflammations, sexually transmitted diseases, precancerous states, tumors, breast, endometrial dysfunctions, pathology of pregnancy, trophoblastic disease, nervous system – traumas, circulation disorders, inflammations, degenerative diseases, tumors, pathology of neonate.

Recommended literature:

Harsh Mohan: Textbook of Jaypee Brothers Medical Publishers LTD., 2010, 933 p.
Robins and Cotrans: Atlas of Pathology, ELSEVIER 2006, 529 p.
Damjanov Ivan: Atlas of Histopathology, Jaypee Brothers Medical Publishers LTD., 2012, 399 p.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 67

A	B	C	D	E	FX
20,9	8,96	17,91	19,4	25,37	7,46

Lecturers: prof. MUDr. Ľudovít Danihel, CSc., prof. MUDr. Pavel Babál, CSc., doc. MUDr. Zuzana Čierna, PhD., MUDr. Pavol Janega, PhD., MUDr. Andrea Janegová, PhD., MUDr. Kristína Mikuš Kuracinová, PhD., MUDr. Kristína Mosná, PhD., MUDr. Hedviga Mrázová, PhD., MUDr. Michal Palkovič, PhD., MPH, MUDr. Mgr. Vladimír Šišovský, PhD., MUDr. Lucia Krivošíková, MUDr. Samuel Horák

Last change: 03.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚPF/L-S-ZLa-073/17	Pathological Physiology 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 24s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 4.

Educational level: I.II.

Prerequisites: LF.FyÚ/L-S-ZLa-026/17 - Physiology 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 113

A	B	C	D	E	FX
2,65	78,76	18,58	0,0	0,0	0,0

Lecturers: prof. MUDr. Fedor Šimko, CSc., prof. MUDr. Marián Bernadič, CSc., prof. MUDr. Beáta Mladosievičová, CSc., doc. MUDr. Ing. Peter Celec, DrSc., prof. MUDr. Barbara Ukropcová, PhD., MUDr. RNDr. Ľudovít Paulis, PhD., doc. MUDr. Tomáš Baka, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚPF/L-S-ZLa-074/18	Pathological Physiology 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 26s
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 5.

Educational level: I.II.

Prerequisites: LF.ÚLChB/L-S-ZLa-052/17 - Medical Biochemistry for Dentistry 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 75

A	B	C	D	E	FX
5,33	6,67	13,33	13,33	25,33	36,0

Lecturers: prof. MUDr. Fedor Šimko, CSc., prof. MUDr. Marián Bernadič, CSc., prof. MUDr. Beáta Mladosievičová, CSc., doc. MUDr. Ing. Peter Celec, DrSc., prof. MUDr. Barbara Ukropcová, PhD., MUDr. RNDr. Ľudovít Paulis, PhD., doc. MUDr. Tomáš Baka, PhD., doc. MUDr. RNDr. Roman Gardlík, PhD., MUDr. Kristína Repová, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-067/20	Periodontology 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 14s / 12s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 9.

Educational level: I.II.

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 22

A	B	C	D	E	FX
22,73	40,91	31,82	4,55	0,0	0,0

Lecturers: MUDr. Amir Amiry Manesh, PhD., MUDr. Rastislav Edelstein, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-069/21	Periodontology 2

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 18s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 11.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-068/20 - Oral Medicine

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
5,88	11,76	29,41	35,29	17,65	0,0

Lecturers: MUDr. Rastislav Edelstein, PhD., MUDr. Amir Amiry Manesh, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-097/21	Periodontology 3

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 30s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 12.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-069/21 - Periodontology 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
0,0	41,18	17,65	11,76	29,41	0,0

Lecturers: MUDr. Rastislav Edelstein, PhD., MUDr. Amir Amiry Manesh, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚFKF/L-S-ZLa-023/18	Pharmacology 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 18s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 5.

Educational level: I.II.

Prerequisites: LF.MÚ/L-S-ZLa-140/22 - Medical Microbiology

Course requirements:
- 100% attendance of tutorials
- student must achieve at least 70% of maximum points (credit tests + seminar essay)
- credit test evaluation: A: 94 - 100 %, B: 88 - 93 %, C: 82 - 87 %, D: 76 - 81 %, E: 70 - 75 %, Fx: 69 % and less

Learning outcomes:
Knowledge:
Gain general knowledge about:
- mechanisms of drug actions
- fate of drugs in organisms
- adverse drug reactions and other possible risks during therapy
- preclinical and clinical evaluation of drugs

Skills:
- learn how to apply knowledge from general pharmacology in medical pharmacology and therapy of selected diseases

Class syllabus:
Drug and society. Sources of information about drugs. Nomenclature. Effects and side effects. Prescription. Drug and organism. Basic pharmacokinetic parameters. Mechanism of action on molecular level. Receptors. Adverse drug reactions. Interactions and their clinical relevance. Pharmacogenetics. Pharmacoepidemiology. Pharmacovigilance. Pharmacoeconomics. Pharmacology of autonomic nervous system. Pharmacotherapy of pain. Local anesthetics. Opioid and non-opioid analgesics. Pharmacotherapy during inflammation. Autacoids. NSAIDs. Immunomodulating agents. Biological drugs. Antirheumatic drugs. Pharmacology of the respiratory system. Anti-asthmatics. Antihistamines. Drugs affecting GIT. Peptic ulcer therapy. Prokinetic agents. Antiemetics. Cytostatics. Toxicology. Principles of antidotal therapy.

Recommended literature:
Brenner, GM, and Stevens, CM: Pharmacology, 4th edition Philadelphia: Saunders/Elsevier, 2013.viii, 520 p. ISBN 978-1-4557-0282-4.

Larner, J, Brody, TH and Minneman, KP: Brody´s Human Pharmacology. Molecular to Clinical. 4th edition Philadelphia: Elsevier Mosby, 2005. 775 p. ISBN 978-0-323-03286-9.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 66

A	B	C	D	E	FX
33,33	31,82	22,73	12,12	0,0	0,0

Lecturers: prof. MUDr. Viera Kristová, CSc., prof. MUDr. Milan Kriška, DrSc., doc. MUDr. Martin Wawruch, PhD., doc. PharmDr. Andrea Gažová, PhD., MUDr. Kristína Hudecová, PhD., MUDr. Miriam Petrová, PhD., MUDr. Vasil Hricák, MUDr. Monika Laššánová, PhD., MUDr. Andrea Raganová, PhD., MUDr. Jana Tisoňová, PhD., MUDr. Róbert Vojtko, PhD.

Last change: 10.03.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚFKF/L-S-ZLa-024/18	Pharmacology 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 18s
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 6.

Educational level: I.II.

Prerequisites: LF.ÚFKF/L-S-ZLa-023/18 - Pharmacology 1

Course requirements:
- 100% attendance of tutorials
- student must achieve at least 70% of maximum points (credit tests + seminar essay)
- exam: written part - student has to reach at least 70%
oral part - 3 questions (1 from general pharmacology, 2 from special pharmacology)
- credit test evaluation: A: 94 - 100 %, B: 88 - 93 %, C: 82 - 87 %, D: 76 - 81 %, E: 70 - 75 %, Fx: 69 % and less

Learning outcomes:
Knowledge:
Gain knowledge about drugs within specific pharmacodynamic groups (emphasis on the medical use in dentistry) with a focus on:
- mechanism of action
- pharmacokinetic properties
- clinical use, contraindications
- adverse effects
- interactions with drugs, OTC products and other substances
Skills:
- learn how to apply knowledge of pharmacology in clinical disciplines
- learn to assess the risk-benefit ratio of drugs in individual patient with an emphasis on medical pharmacology in dentistry

Class syllabus:
Pharmacology of cardiovascular system. Cardiotonics. Antiarrythmics. Antianginal agents. Pharmacotherapy of heart failure. Antihypertensives. Vasodilators. Lipid-lowering agents. Anticoagulants. Fibrinolytics. Antiplatelet agents. CNS drugs. Neurotransmitters in the CNS. Antiparkinson agents. Antiepileptics. Antipsychotics. Anxiolytics and hypnotics. Therapy of insomnia. Cognitive enhancers. Pharmacology of the endocrine system. Pituitary hormones as drugs. Glucocorticoids. Thyroid hormones. Antidiabetics. Female and male hormones. Contraceptives. Hormone replacement therapy. Osteoporosis treatment. Antimicrobials. Beta-lactam antibiotics, macrolides, aminoglycosides, tetracyclines. Antituberculotics. Antiparasitic

drugs. Antivirals. Pharmacotherapy of AIDS. Antimycotics. Principles of drug effect evaluation in individualised therapy.

Recommended literature:

Brenner, GM, and Stevens, CM: Pharmacology, 4th edition Philadelphia: Saunders/Elsevier, 2013.viii, 520 p. ISBN 978-1-4557-0282-4.
Larner, J, Brody, TH and Minneman, KP: Brody´s Human Pharmacology. Molecular to Clinical. 4th edition Philadelphia: Elsevier Mosby, 2005. 775 p. ISBN 978-0-323-03286-9.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 65

A	B	C	D	E	FX
20,0	26,15	27,69	16,92	7,69	1,54

Lecturers: prof. MUDr. Viera Kristová, CSc., prof. MUDr. Milan Kriška, DrSc., doc. MUDr. Martin Wawruch, PhD., doc. PharmDr. Andrea Gažová, PhD., MUDr. Kristína Hudecová, PhD., MUDr. Miriam Petrová, PhD., MUDr. Róbert Vojtko, PhD.

Last change: 10.03.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.ÚTVŠ/L-S-ZLa-103/16	**Course title:** Physical Training 1
Educational activities: **Type of activities:** practicals **Number of hours:** **per week:** **per level/semester:** 25s **Form of the course:** on-site learning	
Number of credits: 1	
Recommended semester: 1.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 100% participation in seminars	
Learning outcomes: Knowledge: - Theoretical knowledge about the importance of physical activity and sport for a healthy life of man - Theoretical knowledge of the history and present various kinds of sport - Theoretical knowledge of strength training, swimming and tourism - The rules of the different sports - Sport as a means of fair play Skills: Practical skills of different kinds of sports - game activities, game combinations and game systems (defense, offense) Practical skills of strengthening	
Class syllabus: Teach the theory, methodology and practical coping following sports: basketball, volleyball, football- futsal, hockey, tennis, table tennis, badminton, swimming, aerobics, zumba, hiking (medium course, walking and water) and winter sports according to the interest of students. Foundations and principles of exercise in the gym. Practicing and mastering the basic game activities and simple combinations in game situations. Fundamentals of the rules, strategy and tactics in the selected sport. Exercises for medically fragile - fit, gym, swimming pool. Optional winter concentration.	
Recommended literature: Fitness and Strength Training for All Sports : Theory, Methods, Programs	
Languages necessary to complete the course:	
Notes:	

Past grade distribution Total number of evaluated students: 165
ABS0
100,0
Lecturers: PaedDr. Róbert Važan, PhD., Mgr. Barbora Kociánová, PhD., Mgr. Michal Korman, Mgr. Monika Lamošová, Mgr. Henrich Krč, PhD., Mgr. Veronika Lovásová, PhD., Mgr. Petra Slyšková
Last change: 22.12.2016
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.ÚTVŠ/L-S-ZLa-104/16	**Course title:** Physical Training 2
Educational activities: **Type of activities:** practicals **Number of hours:** **per week:** **per level/semester:** 25s **Form of the course:** on-site learning	
Number of credits: 1	
Recommended semester: 2.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 100% participation in seminars	
Learning outcomes: Knowledge: - Theoretical knowledge about the importance of physical activity and sport for a healthy life of man - Theoretical knowledge of the history and present various kinds of sport - Theoretical knowledge of strength training, swimming and tourism - The rules of the different sports - Sport as a means of fair play Skills: Practical skills of different kinds of sports - game activities, game combinations and game systems (defense, offense) Practical skills of strengthening	
Class syllabus: Teach the theory, methodology and practical coping following sports: basketball, volleyball, football- futsal, hockey, tennis, table tennis, badminton, swimming, aerobics, zumba, hiking (medium course, walking and water) and winter sports according to the interest of students. Foundations and principles of exercise in the gym. Practicing and mastering the basic game activities and simple combinations in game situations. Fundamentals of the rules, strategy and tactics in the selected sport. Exercises for medically fragile - fit, gym, swimming pool. Optional winter concentration.	
Recommended literature: Fitness and Strength Training for All Sports : Theory, Methods, Programs	
Languages necessary to complete the course:	
Notes:	

Past grade distribution Total number of evaluated students: 158
ABS0
100,0
Lecturers: PaedDr. Róbert Važan, PhD., Mgr. Monika Lamošová, Mgr. Barbora Kociánová, PhD., Mgr. Michal Korman, Mgr. Henrich Krč, PhD., Mgr. Veronika Lovásová, PhD., Mgr. Petra Slyšková
Last change: 22.12.2016
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.ÚTVŠ/L-S-ZLa-105/17	**Course title:** Physical Training 3
Educational activities: **Type of activities:** practicals **Number of hours:** **per week:** **per level/semester:** 25s **Form of the course:** on-site learning	
Number of credits: 1	
Recommended semester: 3.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 100% participation in seminars	
Learning outcomes: Knowledge: - Theoretical knowledge about the importance of physical activity and sport for a healthy life of man - Theoretical knowledge of the history and present various kinds of sport - Theoretical knowledge of strength training, swimming and tourism - The rules of the different sports - Sport as a means of fair playSkills: Practical skills of different kinds of sports - game activities, game combinations and game systems (defense, offense) Practical skills of strengthening	
Class syllabus: Teach the theory, methodology and practical coping following sports: basketball, volleyball, football- futsal, hockey, tennis, table tennis, badminton, swimming, aerobics, zumba, hiking (medium course, walking and water) and winter sports according to the interest of students. Foundations and principles of exercise in the gym. Practicing and mastering the basic game activities and simple combinations in game situations. Fundamentals of the rules, strategy and tactics in the selected sport. Exercises for medically fragile - fit, gym, swimming pool. Optional winter concentration.	
Recommended literature: Fitness and Strength Training for All Sports : Theory, Methods, Programs	
Languages necessary to complete the course:	
Notes:	

Past grade distribution Total number of evaluated students: 121
ABS0
100,0
Lecturers: PaedDr. Róbert Važan, PhD., Mgr. Barbora Kociánová, PhD., Mgr. Michal Korman, Mgr. Monika Lamošová, Mgr. Henrich Krč, PhD., Mgr. Veronika Lovásová, PhD., Mgr. Petra Slyšková
Last change: 25.02.2020
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.ÚTVŠ/L-S-ZLa-106/17	**Course title:** Physical Training 4
Educational activities: **Type of activities:** practicals **Number of hours:** **per week:** **per level/semester:** 25s **Form of the course:** on-site learning	
Number of credits: 1	
Recommended semester: 4.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 100% participation in seminars	
Learning outcomes: Knowledge: - Theoretical knowledge about the importance of physical activity and sport for a healthy life of man - Theoretical knowledge of the history and present various kinds of sport - Theoretical knowledge of strength training, swimming and tourism - The rules of the different sports - Sport as a means of fair playSkills: Practical skills of different kinds of sports - game activities, game combinations and game systems (defense, offense) Practical skills of strengthening	
Class syllabus: Teach the theory, methodology and practical coping following sports: basketball, volleyball, football- futsal, hockey, tennis, table tennis, badminton, swimming, aerobics, zumba, hiking (medium course, walking and water) and winter sports according to the interest of students. Foundations and principles of exercise in the gym. Practicing and mastering the basic game activities and simple combinations in game situations. Fundamentals of the rules, strategy and tactics in the selected sport. Exercises for medically fragile - fit, gym, swimming pool. Optional winter concentration.	
Recommended literature: Fitness and Strength Training for All Sports : Theory, Methods, Programs	
Languages necessary to complete the course:	
Notes:	

Past grade distribution Total number of evaluated students: 115
ABS0
100,0
Lecturers: PaedDr. Róbert Važan, PhD., Mgr. Barbora Kociánová, PhD., Mgr. Michal Korman, Mgr. Monika Lamošová, Mgr. Henrich Krč, PhD., Mgr. Veronika Lovásová, PhD., Mgr. Petra Slyšková
Last change: 25.02.2020
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.ÚTVŠ/L-S-ZLa-107/18	**Course title:** Physical Training 5
Educational activities: **Type of activities:** practicals **Number of hours:** **per week:** **per level/semester:** 25s **Form of the course:** on-site learning	
Number of credits: 1	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 100% participation in seminars	
Learning outcomes: Knowledge: - Theoretical knowledge about the importance of physical activity and sport for a healthy life of man - Theoretical knowledge of the history and present various kinds of sport - Theoretical knowledge of strength training, swimming and tourism - The rules of the different sports - Sport as a means of fair playSkills: Practical skills of different kinds of sports - game activities, game combinations and game systems (defense, offense) Practical skills of strengthening	
Class syllabus: Teach the theory, methodology and practical coping following sports: basketball, volleyball, football- futsal, hockey, tennis, table tennis, badminton, swimming, aerobics, zumba, hiking (medium course, walking and water) and winter sports according to the interest of students. Foundations and principles of exercise in the gym. Practicing and mastering the basic game activities and simple combinations in game situations. Fundamentals of the rules, strategy and tactics in the selected sport. Exercises for medically fragile - fit, gym, swimming pool. Optional winter concentration.	
Recommended literature: Fitness and Strength Training for All Sports : Theory, Methods, Programs	
Languages necessary to complete the course:	
Notes:	

Past grade distribution Total number of evaluated students: 67
ABS0
100,0
Lecturers: PaedDr. Róbert Važan, PhD., Mgr. Barbora Kociánová, PhD., Mgr. Michal Korman, Mgr. Monika Lamošová, Mgr. Henrich Krč, PhD., Mgr. Veronika Lovásová, PhD., Mgr. Petra Slyšková
Last change: 25.02.2020
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.ÚTVŠ/L-S-ZLa-108/18	**Course title:** Physical Training 6
Educational activities: **Type of activities:** practicals **Number of hours:** **per week:** **per level/semester:** 25s **Form of the course:** on-site learning	
Number of credits: 1	
Recommended semester: 6.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 100% participation in seminars	
Learning outcomes: Knowledge: - Theoretical knowledge about the importance of physical activity and sport for a healthy life of man - Theoretical knowledge of the history and present various kinds of sport - Theoretical knowledge of strength training, swimming and tourism - The rules of the different sports - Sport as a means of fair playSkills: Practical skills of different kinds of sports - game activities, game combinations and game systems (defense, offense) Practical skills of strengthening	
Class syllabus: Teach the theory, methodology and practical coping following sports: basketball, volleyball, football- futsal, hockey, tennis, table tennis, badminton, swimming, aerobics, zumba, hiking (medium course, walking and water) and winter sports according to the interest of students. Foundations and principles of exercise in the gym. Practicing and mastering the basic game activities and simple combinations in game situations. Fundamentals of the rules, strategy and tactics in the selected sport. Exercises for medically fragile - fit, gym, swimming pool. Optional winter concentration.	
Recommended literature: Fitness and Strength Training for All Sports : Theory, Methods, Programs	
Languages necessary to complete the course:	
Notes:	

Past grade distribution Total number of evaluated students: 66
ABS0
100,0
Lecturers: PaedDr. Róbert Važan, PhD., Mgr. Barbora Kociánová, PhD., Mgr. Michal Korman, Mgr. Monika Lamošová, Mgr. Henrich Krč, PhD., Mgr. Veronika Lovásová, PhD., Mgr. Petra Slyšková
Last change: 25.02.2020
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.FyÚ/L-S-ZLa-025/16	Physiology 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 36s / 36s
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 2.

Educational level: I.II.

Prerequisites: LF.AÚ/L-S-ZLa-001/16 - Anatomy 1

Course requirements:
100% presence in practical classes/seminars
To prepare protocols from all performed practical tasks
To submit the assigned seminar projects
To pass successfully 3 written tests (minimum 70 % each) after completing a specific topic

Learning outcomes:
Knowledge:
To obtain the knowledge of facts and to understand their relationships in the topic of blood physiology, physiology of the excitable tissues, physiology of respiration and metabolism. To gain basic knowledge about diseases prevention and healthy lifestyle.
Skills:
To acquire skills in recording, evaluation and interpretation of results of selected blood examinations, examinations of the respiratory system and metabolism. To gain/improve basic laboratory skills (use of microscope, pipette), basic medical examinations and measurements (determination of hematocrit, blood groups, haemoglobin concentration, count of blood elements, leukogram, metabolic rate, basics of spirometry, oximetry).

Class syllabus:
Blood - blood plasma, blood elements, acid-base balance, osmotic pressure, blood groups, blood coagulation and haemostasis, erythropoiesis.
Excitable tissues - receptors, resting membrane potential, nerve excitability and action potential, synapses, functional properties of nerves, skeletal and smooth muscle.
Respiration - functions of the respiratory system, ventilation, exchange of respiratory gases, the lung volumes and capacities, transport of O2 and CO2, breathing and regulation of the blood pH, influence of changes in atmospheric pressure, regulation of breathing.
Metabolism – energy intake and expenditure, basal and total metabolic rate and its measurement, energy value of nutrients, energy equivalent and respiratory quotient, oxygen debt, metabolism of carbohydrates, fats, proteins and its regulation.

Recommended literature:

OSTATNÍKOVÁ, D. et al. Basics of Medical Physiology. Bratislava: Comenius University, 2014. 264 p. ISBN 978-80-223-3563-8.
OSTATNÍKOVÁ, D. et al. Laboratory Guide to Medical Physiology. Bratislava: Univerzita Komenského, 2014. 212 p. ISBN 978-80-223-3720-5.
SILVERTHORN, D.U. Human Physiology: An Integrated Approach. 7th ed. University of Texas, Austin. Pearson, 2015. 960 p. ISBN 978-12-9209-493-9.
KOEPPEN, B.M. and STANTON, B.A., eds. Berne & Levy Physiology: With Student Consult Online Access. 6th ed. Philadelphia: Mosby Elsevier, 2010. 848 p. ISBN 978-0323073622.
HALL, J.E. Guyton and Hall Textbook of Medical Physiology. 13th ed. Philadelphia: Saunders Elsevier, 2016. 1146 p. ISBN 978-1-4557-7016-8.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 170

A	B	C	D	E	FX
12,35	21,76	30,59	27,65	4,12	3,53

Lecturers: prof. MUDr. Daniela Ostatníková, PhD., doc. MUDr. Katarína Babinská, PhD., doc. RNDr. Ján Bakoš, PhD., doc. MUDr. Jana Radošinská, PhD., MUDr. Silvia Hnilicová, PhD., doc. MUDr. Mgr. Július Hodosy, PhD., MUDr. Rastislav Važan, PhD., doc. Dr. Aleksandra Sashova Tomova, PhD., MUDr. Ivan Szadvári, PhD.

Last change: 24.11.2016

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.FyÚ/L-S-ZLa-026/17	Physiology 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 36s / 36s
Form of the course: on-site learning

Number of credits: 7

Recommended semester: 3.

Educational level: I.II.

Prerequisites: LF.FyÚ/L-S-ZLa-025/16 - Physiology 1 and LF.AÚ/L-S-ZLa-002/16 - Anatomy 2

Course requirements:
100% presence in practical classes/seminars
To prepare protocols from all performed practical tasks
To submit the assigned seminar projects
To pass successfully 4 written tests (minimum 70 % each) after completing a specific topic
Final complex examination:
- complex written test (minimum points to pass 70%)
- oral part of the examination: 2 questions on medical physiology
The final evaluation is based on the results of both parts.

Learning outcomes:
Knowledge:
To obtain the knowledge of facts and to understand their relationships in the topic of the digestive system and nutrition, cardiovascular physiology, thermoregulation, excretory system, endocrine system and reproduction, senses and central nervous system. To gain basic knowledge about diseases prevention and healthy lifestyle.
Skills:
To acquire skills in recording, evaluation and interpretation of results of selected examinations of dietary habits and nutritional status, of the cardiovascular system, sensory organs and central nervous system. To gain/improve skills in basic medical examinations and measurements (assessment of nutritional status, examination of the arterial pulse, blood pressure, ECG, visual acuity, eye ground, visual field, otoscopy and audiometry, examination of basic reflexes). To get skills in presentation of scientific information and information about diseases prevention and healthy lifestyle in form of short lecture and discussion.

Class syllabus:
The digestive system and nutrition - mastication, swallowing, gastric motility, the small and large intestine motility, the function of digestive juices and their secretion, digestion and absorption of nutrients, the function of the liver, regulations. Principles of balanced diet.

Cardiovascular system - physiological properties of the cardiac muscle, cardiac cycle, heart sounds, arterial pulse, electrocardiography, blood flow in vessels, blood pressure, transcapillary exchange, lymph circulation, regional blood circulations.
Thermoregulation - body temperature and its biorhythms, heat production and losses, mechanisms of thermoregulation.
Kidneys - body fluids and their ion-structure, glomerular filtration and tubular processes, acid-base balance, formation and excretion of urine, regulation of renal functions.
Endocrine glands and reproduction - mechanisms of hormonal action, functions of the hypothalamus - pituitary system, functions of other endocrine glands and their hormones.
Special senses - classification and function, specialization of receptors, receptor potentials, vision, hearing, taste, olfaction, sense of balance, mechanoception, thermoreception, nociception, proprioception.
Central nervous system – reflex, reflex arch, sensation and perception, regulation of movements and muscle tone, higher nervous functions - memory, emotions, learning, speech.

Recommended literature:

OSTATNÍKOVÁ, D. et al. Basics of Medical Physiology. Bratislava: Comenius University, 2014. 264 p. ISBN 978-80-223-3563-8.
OSTATNÍKOVÁ, D. et al. Laboratory Guide to Medical Physiology. Bratislava: Univerzita Komenského, 2014. 212 p. ISBN 978-80-223-3720-5.
SILVERTHORN, D.U. Human Physiology: An Integrated Approach. 7th ed. University of Texas, Austin. Pearson, 2015. 960 p. ISBN 978-12-9209-493-9.
KOEPPEN, B.M. and STANTON, B.A., eds. Berne & Levy Physiology: With Student Consult Online Access. 6th ed. Philadelphia: Mosby Elsevier, 2010. 848 p. ISBN 978-0323073622.
HALL, J.E. Guyton and Hall Textbook of Medical Physiology. 13th ed. Philadelphia: Saunders Elsevier, 2016. 1146 p. ISBN 978-1-4557-7016-8.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 115

A	B	C	D	E	FX
12,17	14,78	12,17	21,74	20,87	18,26

Lecturers: prof. MUDr. Daniela Ostatníková, PhD., prof. MUDr. Boris Mravec, PhD., doc. MUDr. Jana Radošinská, PhD., doc. MUDr. Katarína Babinská, PhD., doc. MUDr. Mgr. Július Hodosy, PhD., MUDr. Rastislav Važan, PhD., doc. RNDr. Monika Barteková, PhD., doc. Dr. Aleksandra Sashova Tomova, PhD., doc. RNDr. Ján Bakoš, PhD.

Last change: 25.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.ChK2/L-S-ZLa-120/19	**Course title:** Practice - Surgery
Educational activities: **Type of activities:** practice **Number of hours:** **per week:** **per level/semester:** 40s **Form of the course:** on-site learning	
Number of credits: 2	
Recommended semester: 8.	
Educational level: I.II.	
Prerequisites: LF.ChK2/L-S-ZLa-033/19 - Surgery 2	
Course requirements: zero absence at practicals	
Learning outcomes: Knowledge: improving theoretical knowledge in general surgery and at the surgical department. Skills: practical skills, bandages, wound cleaning, stoma corrections, venepunctions, blood samples, intramuscular injections, assistance by the surgical procedures	
Class syllabus: Working as a young secondary doctor at the ward, practical skills in the operation room (hand cleaning, operation field preparation, assistance during the operation, bandages), minor surgical procedures (incisions, excisions, sutures of wounds ect.). Aplication of local anesthesia (infiltrative, block ect.), drainages in minor surgery. Practical performance of bandage techniques (Dessault, spica, testudo ect.). Examination of the surgical patient, patients file documentation, preoperative examination and preoperative preparation (medicaments, dietetic, psychologic). At the ward: administering of intramuscular injections, venous injections, assisting during administering of the transfusions. Bandages of the operation wounds. Two night shifts.	
Recommended literature: Lawrence P. F. a kol: Essentials ofGeneralSurgery, LippincottWilliams&Wilkins, 2012, 608 pg. ISBN 978-0781784955 DohertyGerard: CurrentDiagnosis and TreatmentSurgery: ThirteenthEdition, McGraw-HillMedical, 1324 pg., ISBN 978-0071635158 Townsend M. Courtneyetal: SabistonTextbookofSurgery, 19 thedition, Saunders, 2012, 2152 pg., ISBN 978-1437715606	
Languages necessary to complete the course:	
Notes:	

Past grade distribution Total number of evaluated students: 25
ABS0
100,0
Lecturers: prof. MUDr. Peter Labaš, CSc., MUDr. Peter Štefánik
Last change: 30.11.2021
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.KSMCh/L-S-ZLa-124/18	**Course title:** Practice in an Out-Patient Dental Clinic and Laboratory
Educational activities: **Type of activities:** practice **Number of hours:** **per week:** **per level/semester:** 80s **Form of the course:** on-site learning	
Number of credits: 4	
Recommended semester: 6.	
Educational level: I.II.	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 62	
ABS0	
100,0	
Lecturers: prof. MUDr. Peter Stanko, PhD., MUDr. Bohuslav Novák, PhD.	
Last change:	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.KSMCh/L-S-ZLa-122/19	**Course title:** Practice in an Out-patient Dental Clinic 1
Educational activities: **Type of activities:** practice **Number of hours:** **per week:** **per level/semester:** 80s **Form of the course:** on-site learning	
Number of credits: 4	
Recommended semester: 8.	
Educational level: I.II.	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 39	

ABS0
100,0

Lecturers: prof. MUDr. Peter Stanko, PhD., MUDr. Bohuslav Novák, PhD.
Last change:
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.KSMCh/L-S-ZLa-123/20	**Course title:** Practice in an Out-patient Dental Clinic 2
Educational activities: **Type of activities:** practice **Number of hours:** **per week:** **per level/semester:** 160s **Form of the course:** on-site learning	
Number of credits: 6	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 22	
ABS0	
100,0	
Lecturers: prof. MUDr. Peter Stanko, PhD., MUDr. Bohuslav Novák, PhD.	
Last change:	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.IK4/L-S-ZLa-0121/19	**Course title:** Practice-Internal Medicine
Educational activities: **Type of activities:** practice **Number of hours:** **per week:** **per level/semester:** 40s **Form of the course:** on-site learning	
Number of credits: 2	
Recommended semester: 8.	
Educational level: I.II.	
Prerequisites: LF.IK4/L-S-ZLa-040/19 - Internal Medicine 2	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 34	
ABS0	
100,0	
Lecturers: prof. MUDr. Peter Pont'uch, CSc.	
Last change:	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-076/16	Preclinical Dentistry 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 14s / 72s
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 1.

Educational level: I.II.

Prerequisites:

Course requirements:
100% participation on practical at practical exercises
- 1 writen test min. 60%
- practical test – modelation and identification of 3 extracted teeth
- evaluation of performances /resin crown and metal crown/

Learning outcomes:
To obtain terminologie, morfologie of the teeth, basic equipments, materials and technologies in fixed prosthetics
Knowledge: Morfologie and anatomie of the teeth, Fix prosthetics – crowns and bridges
Skills: Modelation teeth from the wax, cuting the tooth for the crowns, finishing of resin and metal crown - mpressions, models and finishing of the crowns.

Class syllabus:
Anatomical terminologie, structure, surfaces, directions of the teeth. Dental arches defects, preparation of the tooth for crowns, overjet and non overjet preperation, instruments, materials and procedures in the fixed prosthetics, resin crown, metal crown, ceramic crown, veneer crown and bridges

Recommended literature:
Deepak Nallaswamy: Textbook of Prosthodontics

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 166

A	B	C	D	E	FX
16,87	23,49	39,16	13,25	7,23	0,0

Lecturers: doc. MUDr. Peter Plachý, CSc., MUDr. Lea Csicsayová, CSc., MUDr. Zita Kestlerová, PhD., MUDr. Darina Gabániová, PhD., MUDr. Roman Pecháň

Last change: 02.12.2021
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-077/16	Preclinical Dentistry 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 14s / 72s
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 2.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-076/16 - Preclinical Dentistry 1

Course requirements:
- 100% participation on practical at practical exercises
- 1 writen test min. 60%
- Evaluation of work – complete removable denture

Learning outcomes:
Knowledge: terminologie, equipments, materials and technologie in removable prosthetics, analyses of model, clasps finishing of metal frame for partial removable denture. Intermaxillary relatioships, arrangement of the arteficial teeth
Skills: impression technic, cast finishing, restoration of intermaxilary relationships, arrangement of teeth and wax tryal, polymerisation, grinding and polishing of complete removable denture.

Class syllabus:
Division of arch defects, types of dentures according the transmission of masticatory pressure, terminologie, materials, appliences and technologie in removable prosthetics, work process by complete and partial removable dentures in patient office and dental laboratory.

Recommended literature:
Deepak Nallaswamy: Textbook of Prosthodontics

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 165

A	B	C	D	E	FX
23,03	41,21	29,09	5,45	1,21	0,0

Lecturers: doc. MUDr. Peter Plachý, CSc., MUDr. Lea Csicsayová, CSc., MUDr. Zita Kestlerová, PhD., MUDr. Darina Gabániová, PhD., MUDr. Roman Pecháň

Last change: 02.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-078/17	Preclinical Dentistry 3

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 14s / 72s
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 3.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-077/16 - Preclinical Dentistry 2

Course requirements:
- 100% presentation at practical exercises
- 1 writen test min. 60%
- performances according the lock book

Learning outcomes:
Knowledge: Types and location of caries lesions, procedures, instruments and materials by teeth treatment in operative Dentistry. Endodontics - rooth canal tretment, x-rays in endodontics
Skills: Cavities preparation according Black - instruments ussage, fillings - instruments and materials ussage

Class syllabus:
Types and location of caries lesions, cavities preparation, instruments, filling materials compound and characteristic, Endodontics – instruments, methods, treatment – obturation, radiography in endodontics

Recommended literature:
Linda R. Bartilomucci Boyd : Dental Instruments. A pocket Guide
Anjit Banerjee, Timothy F. Watson : Pickard´s Manual of Operative Dentistry

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 124

A	B	C	D	E	FX
18,55	36,29	29,03	9,68	6,45	0,0

Lecturers: MUDr. Lea Csicsayová, CSc., doc. MUDr. Peter Plachý, CSc., MUDr. Darina Gabániová, PhD., MUDr. Roman Pecháň, MUDr. Zita Kestlerová, PhD.

Last change: 02.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-079/17	Preclinical Dentistry 4

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 14s / 72s
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 4.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-078/17 - Preclinical Dentistry 3

Course requirements:
- 100% participation on practical at practical exercises
- 1 writen test min. 60%
- Evaluation of the treatment 1-st Phantom patient with fillings and crowns
- Evaluation of the tretment 2- nd Phantom patient with removable dentures
- Final examination practical and oral

Learning outcomes:
Knowledge: Anaesthesia in Dentistry, Extraction of teeth, Instruments, X-rays in dentistry, Desinfection and sterilisation - material, technique and equipments,
Skills: Receive of technique patient treatment in dental Chair – Phantom Patients, treatment from conservative view, treatment with the resin and metal crown,
Treatment with total and partial removable dentures, impressions, intermaxillary relationships renovation, wax tryal

Class syllabus:
Dental surgery – basic, anaethesia, Desinfection, sterilisation, Radiology, Examination of the patient, Documentation, Hygiene in dental office, Equipments in dental office and dental laboratory

Recommended literature:
Peter Stanko and col.: Dentoalveolar and maxillofacial surgery

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 111

A	B	C	D	E	FX
13,51	5,41	21,62	17,12	36,04	6,31

Lecturers: MUDr. Lea Csicsayová, CSc., doc. MUDr. Peter Plachý, CSc., MUDr. Darina Gabániová, PhD., MUDr. Roman Pecháň, MUDr. Zita Kestlerová, PhD.

Last change: 02.12.2021
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-080/18	Preventive Dentistry 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 36s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 6.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-079/17 - Preclinical Dentistry 4

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 65

A	B	C	D	E	FX
73,85	18,46	4,62	3,08	0,0	0,0

Lecturers: MUDr. Bohuslav Novák, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-081/21	Preventive Dentistry 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 14s / 30s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 11.

Educational level: I.II.

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
70,59	5,88	11,76	5,88	5,88	0,0

Lecturers: MUDr. Bohuslav Novák, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.PK/L-S-ZLa-083/19	Psychiatry

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 12s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 7.

Educational level: I.II.

Prerequisites: LF.PK/L-S-ZLa-056/18 - Medical Psychology and Communication

Course requirements:
100% participation at practical trainings
Exam: written test (minimally for 60%)
Valuation of the test: A: 91 – 100 %, B: 81 – 90 %, C: 73 – 80 %, D: 66 – 72 %, E: 60 – 65 %, Fx: 59 % and less
Oral exam: 2 questions (1 from general, 1 from special psychiatry)
Overall valuation will be assigned due to the average of obtained valuations.

Learning outcomes:
Knowledge: Understand the etiology, pathogenesis, epidemiology, clinical manifestations of mental disorders. Learn the investigational procedures, principles of treatment and rehabilitation in psychiatry, legal status and assessment of persons with mental disorders in childhood and adulthood. Understand the causes, clinical, diagnostic and therapeutic procedures in emergency conditions in psychiatry. Understand the psychopathological symptoms and the classification of mental disorders according to ICD-10.
Skills: to handle clinical psychiatric examination of persons with mental disorder, to elaborate the data from documentation, to work-out the psychiatric findings. To demonstrate the ability for examination of cognitive functions in adults by means of standardized assessment scale.

Class syllabus:
Causes, mechanisms and epidemiology of mental disorders. Psychopathology, classification, diagnostics, differential diagnosis, treatment, rehabilitation, assessment of psychiatric disorders in children and adults. First aid in psychiatry. Practicing of clinical examination, identification of symptoms, diagnostic conclusion and differential diagnosis, preparation of draft plan of further investigations and treatment of mental disorders. Training the use of screening and assessment scales.

Recommended literature:
Kolibáš, E. a kol.: Introduction to clinical psychiatry. Bratislava: Asklepios, 1996. 107 pp. ISBN 80-967610-0-5

Semple, D. – Smyth, R.: Oxford Handbook of Psychiatry, 2nd Edition. Oxford University Press, 2009. 977 pp. ISBN 978-0-19-923946-7
Sadock, B. J. – Sadock, V. A.: Kaplan and Sadock's Synopsis of Psychiatry, 10th Edition. Lippincott Williams & Wilkins, 2010. 1470 pp. ISBN 978-0781773270

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 41

A	B	C	D	E	FX
9,76	12,2	17,07	26,83	29,27	4,88

Lecturers: prof. MUDr. Ján Pečeňák, CSc., doc. MUDr. Jana Trebatická, PhD., doc. MUDr. Ľubomíra Izáková, PhD., MUDr. Mária Králová, CSc.

Last change: 02.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-045/18	Restorative Dentistry 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 24s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 6.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-079/17 - Preclinical Dentistry 4

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 65

A	B	C	D	E	FX
26,15	46,15	23,08	4,62	0,0	0,0

Lecturers: MUDr. Bohuslav Novák, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-046/20	Restorative Dentistry 2

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 42s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 9.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-021/19 - Endodontics 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 23

A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0

Lecturers: MUDr. Bohuslav Novák, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-047/20	Restorative Dentistry 3

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 24s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 10.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-046/20 - Restorative Dentistry 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0

Lecturers: MUDr. Bohuslav Novák, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚHE/L-S-ZLa-132/18	Seminar of Histology and Embryology

Educational activities:
Type of activities: lecture
Number of hours:
per week: **per level/semester:** 24s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 5.

Educational level: I.II.

Prerequisites: LF.ÚHE/L-S-ZLa-030/17 - Histology and Embryology 2

Course requirements:
- 100% presence at seminars
- 60% successfulness in the test
Evaluation: A: 100-91%, B: 90-81%, C: 80-73%, D: 72-66%, E: 65-60%, Fx: 59 % and less

Learning outcomes:
Knowledge:
- Obtain the knowledge of development and microscopic structure of the tooth and its neighbouring tissues
Skills:
- Observation and study of mentioned tissue structures at light and electron microscopic levels
- Study of the relationship between tissue structure and function
- Apply the theoretical knowledge in the practice of dentistry

Class syllabus:
Development and microscopic structure of tooth: Developmental stages of the tooth. Amelogenesis. The structure of tooth enamel. Dentinogenesis. The structure of dentin. Cementogenesis and cementum. Development and structure of dental pulp. Gingiva and its topographical regions. Dentino-gingival connection. Periodontium, periodontal ligaments. Development of deciduous and permanent dentition. Summary of developmental defects of teeth. Oral cavity and saliva. Microscopic structure of lips. Microscopic structure of the oral mucosa and its regionalization. Taste buds. Microscopic structure of the alveolar bone. Microscopic structure of the temporo-mandibular joint.

Recommended literature:
Chandra S, Chandra M, Chandra G, Chandra N. Textbook of Dental and Oral Histology with Embryology and multiple choice questions. Jaypee Brothers Medical Publishers, St. Louis, 2010, 388 pp.
Bath-Balogh M, Fehrenbach MJ. Illustrated Dental Embryology, Histology, and Anatomy. Elsevier Saunders, St Louis, 2011, 334 pp.

Nanci A. Oral histology. Development, structure and function. Mosby Elsevier, St. Louis, 2008, 411 pp.

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 0

A	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Štefan Polák, CSc.

Last change: 27.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚCJ/L-S-ZLa-109/16	Slovak Language 1

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 48s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 1.

Educational level: I.II.

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 155

A	B	C	D	E	FX
52,26	20,65	12,9	6,45	7,74	0,0

Lecturers: Ing. Janka Bábelová, PhD., Mgr. Radoslav Ďurajka, PhD., PhDr. Valéria Jamrichová, Mgr. Angela Škovierová, PhD., Mgr. Oľga Vaneková, PhD., Mgr. Ľubomír Holík, PhD., PhDr. Tomáš Hamar, PhD., Mgr. Lýdia Ďurišová, Mgr. Jana Navrátilová, Mgr. Petra Červeňová, Mgr. Katarína Hromadová, PhD., Mgr. Oksana Mošak

Last change: 30.09.2016

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚCJ/L-S-ZLa-110/16	Slovak Language 2

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 48s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 2.

Educational level: I.II.

Prerequisites: LF.ÚCJ/L-S-ZLa-109/16 - Slovak Language 1

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 151

A	B	C	D	E	FX
35,1	30,46	19,21	7,95	3,97	3,31

Lecturers: Ing. Janka Bábelová, PhD., Mgr. Radoslav Ďurajka, PhD., PhDr. Valéria Jamrichová, Mgr. Angela Škovierová, PhD., Mgr. Oľga Vaneková, PhD., Mgr. Ľubomír Holík, PhD., PhDr. Tomáš Hamar, PhD., Mgr. Lýdia Ďurišová, Mgr. Jana Navrátilová, Mgr. Petra Červeňová, Mgr. Katarína Hromadová, PhD., Mgr. Oksana Mošak

Last change: 30.09.2016

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚCJ/L-S-ZLa-114/18	Slovak Language 3

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 48s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 3.

Educational level: I.II.

Prerequisites: LF.ÚCJ/L-S-ZLa-110/16 - Slovak Language 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 85

A	B	C	D	E	FX
35,29	36,47	16,47	8,24	2,35	1,18

Lecturers: Ing. Janka Bábelová, PhD., Mgr. Radoslav Ďurajka, PhD., PhDr. Valéria Jamrichová, Mgr. Angela Škovierová, PhD., Mgr. Oľga Vaneková, PhD., Mgr. Lýdia Ďurišová, Mgr. Jana Navrátilová, PhDr. Tomáš Hamar, PhD., Mgr. Ľubomír Holík, PhD., Mgr. Katarína Hromadová, PhD., Mgr. Oksana Mošak

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚCJ/L-S-ZLa-115/18	Slovak Language 4

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 48s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 4.

Educational level: I.II.

Prerequisites: LF.ÚCJ/L-S-ZLa-114/18 - Slovak Language 3

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 73

A	B	C	D	E	FX
39,73	20,55	16,44	8,22	2,74	12,33

Lecturers: Ing. Janka Bábelová, PhD., Mgr. Radoslav Ďurajka, PhD., PhDr. Valéria Jamrichová, Mgr. Angela Škovierová, PhD., Mgr. Oľga Vaneková, PhD., Mgr. Lýdia Ďurišová, Mgr. Jana Navrátilová, PhDr. Tomáš Hamar, PhD., Mgr. Ľubomír Holík, PhD., Mgr. Katarína Hromadová, PhD., Mgr. Oksana Mošak

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ÚSLLE/L-S-ZLa-084/20	Social Medicine

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 12s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 10.

Educational level: I.II.

Prerequisites:

Course requirements:
100% attendance at seminars

Learning outcomes:
Knowledge:
After successful completion of the course student will be able to:
- Understand the content, mission, scope of social medicine.
- Identify the most important periods from the history of dental care.
- Describe the methods of population health assessment.
- Describe the models and theories of health and disease, their determinants with the focus on oral health.
- Describe the role of social factors in shaping the oral health of individuals and populations.
- Understand the basic principles of health financing.
- Know the basics of medical law and basic legal obligations of dentist.
- Understand the principles of quality improvement and patient safety in health care and dental care.

Skills:
After successful completion of the course student will be able to:
- Measure and assess the health status and oral health of the population.
- Analyze the oral health inequities in relation to social determinants.
- Compare and analyze different types of health systems.
- Discuss and apply the health legislation and principles of medical law in dental care.
- Discuss the role of international organizations in promotion and protection of oral health.
- Apply the principles of quality improvement and patient safety in dental practice.

Class syllabus:
Social medicine – origin, development, scope, its position in the system of medical sciences. History and development of dental care. Dental care – its importance, tasks, models. Legal aspects of health care in dentistry. Legal liability in health care. Basics of medical law. Health and Disease: concepts, models, determinants, classification systems. Social determinants of oral health. Health systems and health financing. Study of population health: sources of information, measures, methods of assessment. International Red Cross: mission, principles, tasks. World Health Organization:

structure, mission, tasks, programmes, strategies. Quality in health care: definitions, dimensions, quality management models in health care.

Recommended literature:

Kostičová M. (ed.). Social Medicine. Bratislava: Comenius University in Bratislava, 2015.
Kostičová, M., Ozorovský, V., Badalík L., Fabian G. An Introduction to Social Medicine. Bratislava: Asklepios, 2011.
Watt RG, Listl S., Peres M., Heilmann A. (eds.). Social inequalities in oral health: from evidence to action. London: UCL, 2015.
Petersen PE., Baez RJ . Oral Health Surveys: Basic Methods. 5th edition. Geneva: World Health Organization, 2013.
Health 2020 – An European policy framework supporting action across government and societyfor health and well-being. Copenhagen: WHO Regional Office for Europe, World Health Organisation, 2012.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 23

A	B	C	D	E	FX
95,65	4,35	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Vojtech Ozorovský, CSc., Mgr. et Mgr. Silvia Capíková, PhD., doc. MUDr. Michaela Kostičová, PhD., MPH

Last change: 01.12.2021

Approved by:

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.ChK2/L-ZLa-ŠS-1/16	**Course title:** Surgery
Number of credits: 2	
Recommended semester: 9., 10..	
Educational level: I.II.	
State exam syllabus:	
Last change:	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.ChK2/L-S-ZLa-032/19	**Course title:** Surgery 1
Educational activities: **Type of activities:** lecture / practicals **Number of hours:** **per week:** **per level/semester:** 22s / 35s **Form of the course:** on-site learning	
Number of credits: 4	
Recommended semester: 7.	
Educational level: I.II.	
Prerequisites: LF.ChK2/L-S-ZLa-037/18 - Surgical Propedeutics 2	
Course requirements: no absence at practicals, Exam: written part – result of the test minimum 60%, oral part – 3 questions Assessment of the test: A:91-100%, B:81-90%, C: 73-80%, D: 66-72%, E:60-65%, Fx: 59% and less.	
Learning outcomes: Knowledge: basic knowlege of general surgery, traumatology, orthopaedics, urology, burns, neurosurgery, paediatric surgery.Skills: wound bandages, venepunction, assistance by minor surgical procedures. Planing of differentional diagnosis in surgical diseases.	
Class syllabus: Management of the patient with the trauma of the musculoskeletal system, management of the patient withintracranial injury, basics of orthopaedics, basics of urology, basic management of the patients with burns.	
Recommended literature: Lawrence P. F. a kol: Essentials ofGeneralSurgery, LippincottWilliams&Wilkins, 2012, 608 pg. ISBN 978-0781784955 DohertyGerard: CurrentDiagnosis and TreatmentSurgery: ThirteenthEdition, McGraw-HillMedical, 1324 pg., ISBN 978-0071635158 Townsend M. Courtneyetal: SabistonTextbookofSurgery, 19 thedition, Saunders, 2012, 2152 pg., ISBN 978-1437715606	
Languages necessary to complete the course:	
Notes:	

Past grade distribution
Total number of evaluated students: 43

A	B	C	D	E	FX
34,88	25,58	39,53	0,0	0,0	0,0

Lecturers: doc. MUDr. Augustín Prochotský, CSc., MUDr. Pavol Mazalán, MUDr. Ivan Majeský, PhD.

Last change: 02.12.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ChK2/L-S-ZLa-033/19	Surgery 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 18s / 35s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 8.

Educational level: I.II.

Prerequisites: LF.ChK2/L-S-ZLa-032/19 - Surgery 1

Course requirements:
no absence at practicals, result of the test minimum 60%, Evaluation: A: 100-91%, B: 90-81%, C: 80-73%, D: 72-66%, E: 65-60%, Fx: 59 % and less

Learning outcomes:
Knowledge: improving knowledge in surgical subspetialisiations – general surgery, traumatology, orthopaedics, urology, burns, neurosurgery and paediatrics surgery.
Skills: ability to examine the patient with planing of the diagnostic and therapeutic algorithm

Class syllabus:
Diagnostics and surgical treatment of urologic diseases, neurosurgical interventions, surgery of arterial and venous system, brest surgery.

Recommended literature:
DohertyGerard: CurrentDiagnosis and TreatmentSurgery: ThirteenthEdition, McGraw-HillMedical, 1324 pg., ISBN 978-0071635158
Townsend M. Courtneyetal: SabistonTextbookofSurgery, 19 thedition, Saunders, 2012, 2152 pg., ISBN 978-1437715606

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 42

A	B	C	D	E	FX
40,48	28,57	11,9	9,52	9,52	0,0

Lecturers: doc. MUDr. Augustín Prochotský, CSc., MUDr. Ivan Majeský, PhD., MUDr. Pavol Mazalán, MUDr. Júlia Bujňáková, MUDr. Martin Ježovít, MUDr. Ivana Lajmonová, MUDr. Peter Levčík, MUDr. Jaroslav Sekáč, PhD., MUDr. Peter Štefánik

Last change: 27.02.2020

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ChK2/L-S-ZLa-034/20	Surgery 3

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 30s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 9.

Educational level: I.II.

Prerequisites: LF.ChK2/L-S-ZLa-033/19 - Surgery 2

Course requirements:
no absence at practicals, result of the test minum 60%, evaluation of the test: A: 100-91%, B: 90-81%, C: 80-73%, D: 72-66%, E: 65-60%, Fx: 59 % and less

Learning outcomes:
Knowledge: improving of the knowlege – esophageal surgery, stomach, small and large intestine, anus, liver, pancreas, gallblader and biliary tree, angiosurgery, operations of acute abdomen, paediatric orthopaedy.
Skills: cognitive skills in differential diagnostics and therapy of surgical disseases

Class syllabus:
Surgery of esophagus, stomach, small and large intestine, anus, liver, pancreas, gallblader and biliary tree, angiosurgical procedures, operations in acute abdomen patients, paediatric orthopaedy.

Recommended literature:
Lawrence P. F. a kol: Essentials of GeneralSurgery, LippincottWilliams&Wilkins, 2012, 608 pg. ISBN 978-0781784955
DohertyGerard: CurrentDiagnosis and TreatmentSurgery: ThirteenthEdition, McGraw-HillMedical, 1324 pg., ISBN 978-0071635158
Townsend M. Courtneyetal: SabistonTextbookofSurgery, 19 thedition, Saunders, 2012, 2152 pg., ISBN 978-1437715606

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 23

A	B	C	D	E	FX
91,3	8,7	0,0	0,0	0,0	0,0

Lecturers: MUDr. Ivan Majeský, PhD., doc. MUDr. Augustín Prochotský, CSc., MUDr. Júlia Bujňáková, MUDr. Martin Ježovít, MUDr. Ivana Lajmonová, MUDr. Jaroslav Sekáč, PhD., MUDr. Peter Štefánik, MUDr. Peter Levčík
Last change: 30.11.2021
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ChK2/L-S-ZLa-035/20	Surgery 4

Educational activities:
Type of activities: seminar / practicals
Number of hours:
per week: **per level/semester:** 10s / 50s
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 10.

Educational level: I.II.

Prerequisites: LF.ChK2/L-S-ZLa-034/20 - Surgery 3

Course requirements:
- no absence at practicals
State exam: - result of the test minimum 60 %
- practical part
- oral part
Evaluation: A: 100-91%, B: 90-81%, C: 80-73%, D: 72-66%, E: 65-60%, Fx: 59 % and less.
The global evaluation we create from the average of the recieved parts.

Learning outcomes:
Knowledge: Completion of konwledge of the general surgery and surgical subspetialisations.
Skills: cognitive skills, student is able to create the surgical algorithm of differential diagnostics and treatment of an surgical patient.

Class syllabus:
During the 2-week praxis a student works in the out-patient clinic, operating rooms and at the department as young secundary doctor. The students attend the ward rounds, seminars, assissting operations and minor surgical diagnostic and therapeutic interventions with supervision of a doctor.

Recommended literature:

Languages necessary to complete the course:
Lawrence P. F. a kol: Essentials ofGeneralSurgery, LippincottWilliams&Wilkins, 2012, 608 pg. ISBN 978-0781784955
DohertyGerard: CurrentDiagnosis and TreatmentSurgery: ThirteenthEdition, McGraw-HillMedical, 1324 pg., ISBN 978-0071635158
Townsend M. Courtneyetal: SabistonTextbookofSurgery, 19 thedition, Saunders, 2012, 2152 pg., ISBN 978-1437715606

Notes:

Past grade distribution
Total number of evaluated students: 23

A	B	C	D	E	FX
78,26	13,04	8,7	0,0	0,0	0,0

Lecturers: prof. MUDr. Peter Labaš, CSc., MUDr. Ivan Majeský, PhD., MUDr. Pavol Mazalán, MUDr. Júlia Bujňáková, MUDr. Martin Ježovít, MUDr. Ivana Lajmonová, MUDr. Peter Levčík, MUDr. Jaroslav Sekáč, PhD., MUDr. Peter Štefánik

Last change: 30.11.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ChK2/L-S-ZLa-036/18	Surgical Propedeutics 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 12s / 16s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 5.

Educational level: I.II.

Prerequisites:

Course requirements:
- zero absence at practicals
- Pass the test minimum 60 %, Evaluation: A: 100-91%, B: 90-81%, C: 80-73%, D: 72-66%, E: 65-60%, Fx: 59 % and less.

Learning outcomes:
Knowledge: Theoretical knowledge of the surgical examination (basics)
Skills: Congnitive skills in the basics of surgery, history of the patient, examination of the patient.

Class syllabus:
Medical history of a patient, physical examination, paraclinical examinations, anti-sepsis, asepsis, wound surgery, tetanus, shock, transfusions, nutrition.

Recommended literature:
Lawrence P. F. a kol: Essentials ofGeneralSurgery, LippincottWilliams&Wilkins, 2012, 608 pg. ISBN 978-0781784955
DohertyGerard: CurrentDiagnosis and TreatmentSurgery: ThirteenthEdition, McGraw-HillMedical, 1324 pg., ISBN 978-0071635158
Townsend M. Courtneyetal: SabistonTextbookofSurgery, 19 thedition, Saunders, 2012, 2152 pg., ISBN 978-1437715606

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 66

A	B	C	D	E	FX
54,55	25,76	19,7	0,0	0,0	0,0

Lecturers: doc. MUDr. Augustín Prochotský, CSc., MUDr. Pavol Mazalán, MUDr. Ivan Majeský, PhD., MUDr. Júlia Bujňáková, MUDr. Martin Ježovít, MUDr. Ivana Lajmonová, MUDr. Peter Levčík, MUDr. Jaroslav Sekáč, PhD., MUDr. Peter Štefánik

Last change: 27.02.2020
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.ChK2/L-S-ZLa-037/18	Surgical Propedeutics 2

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 24s / 24s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 6.

Educational level: I.II.

Prerequisites: LF.ChK2/L-S-ZLa-036/18 - Surgical Propedeutics 1

Course requirements:
- zero absence at the practicals
- result of the test minimum 60 %
Evaluation: A: 100-91%, B: 90-81%, C: 80-73%, D: 72-66%, E: 65-60%, Fx: 59 % and less

Learning outcomes:
Knowledge: theoretical knowledge of the basic aspects of surgical preoperative, perioperative and postoperative care, theory and bascis of burn injuries ond other injuries.Skills: complex surgical examination of the patient, establishing of the working diagnosis.

Class syllabus:
burn injury, surgical management of fractures, joints, peri- and postoperative complications, resuscitation, thromboembolic disease, abscess, transfusion and nutrition.

Recommended literature:
Lawrence P. F. a kol: Essentials ofGeneralSurgery, LippincottWilliams&Wilkins, 2012, 608 pg. ISBN 978-0781784955
DohertyGerard: CurrentDiagnosis and TreatmentSurgery: ThirteenthEdition, McGraw-HillMedical, 1324 pg., ISBN 978-0071635158
Townsend M. Courtneyetal: SabistonTextbookofSurgery, 19 thedition, Saunders, 2012, 2152 pg.r., ISBN 978-1437715606

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 64

A	B	C	D	E	FX
87,5	12,5	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Augustín Prochotský, CSc., MUDr. Ivan Majeský, PhD., MUDr. Pavol Mazalán, MUDr. Júlia Bujňáková, MUDr. Martin Ježovít, MUDr. Ivana Lajmonová, MUDr. Peter Levčík, MUDr. Jaroslav Sekáč, PhD., MUDr. Peter Štefánik
Last change: 27.02.2020
Approved by:

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.KSMCh/L-ZLa-ŠS-5/16	**Course title:** Therapeutic Dentistry
Number of credits: 2	
Recommended semester: 11., 12..	
Educational level: I.II.	
State exam syllabus:	
Last change:	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-086/21	Therapeutic Dentistry 1

Educational activities:
Type of activities: lecture / practicals
Number of hours:
per week: **per level/semester:** 10s / 30s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 11.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-047/20 - Restorative Dentistry 3

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
41,18	47,06	5,88	5,88	0,0	0,0

Lecturers: MUDr. Bohuslav Novák, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Faculty of Medicine

Course ID:	**Course title:**
LF.KSMCh/L-S-ZLa-087/21	Therapeutic Dentistry 2

Educational activities:
Type of activities: lecture / seminar / practicals
Number of hours:
per week: **per level/semester:** 12s / 10s / 104s
Form of the course: on-site learning

Number of credits: 8

Recommended semester: 12.

Educational level: I.II.

Prerequisites: LF.KSMCh/L-S-ZLa-086/21 - Therapeutic Dentistry 1

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 17

A	B	C	D	E	FX
35,29	52,94	11,76	0,0	0,0	0,0

Lecturers: MUDr. Andrea Nováková, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Course ID: LF.AÚ/L-S-ZLa-088/17	**Course title:** Topographical Anatomy of the Head
Educational activities: **Type of activities:** lecture / practicals **Number of hours:** **per week:** **per level/semester:** 14s / 14s **Form of the course:** on-site learning	
Number of credits: 3	
Recommended semester: 3.	
Educational level: I.II.	
Prerequisites: LF.AÚ/L-S-ZLa-002/16 - Anatomy 2	
Course requirements: 100% participation on the practical exercises Exam: - Test (achieving at least 60% of correct answers) - Oral part (2 questions) Test evaluation: A: 91 - 100 %, B: 81 – 90 %, C: 73 – 80 %, D: 66 – 72 %, E: 60 – 65 %, Fx: 59 – 0 % Final mark of the semester is determined from the average of received scores.	
Learning outcomes: Knowledge: - Knowledge synthesis of systematic and topographical anatomy of the head and neck Skills: - Analyzing of the gained knowledge from the morphological and clinical point of views. - Clinical application of the achieved theoretical knowledge (anatomical aspect of coniotomy and tracheotomy, regional and distant spreading of dentogenic inflammations) - handling radio-diagnostic correlation.	
Class syllabus: Topographical anatomy of regions of the head and neck. Skull. Temporomandibular joint. Masticatory muscles. Suprahyoid and infrahyoid muscles. Larynx. Major salivary glands. Motoric and sensory innervation of face and oral cavity. Lymphatic system of face and neck. Coniotomy and tracheotomy.	
Recommended literature: Platzer, W. Color Atlas of Human Anatomy. Vol.1. Locomotor System. 6th rev ed. Stuttgart; New York: Georg Thieme Verlag, 2009. 480p. ISBN13 9783131494818 Fritsch, H., Kuehnel, W. Color Atlas of Human Anatomy. Vol. 2. Internal organs. 5th ed. Stuttgart; New York: Georg Thieme Verlag, 2008. 458p. ISBN13 9781604065633 Kahle, W., Frotscher M. Color Atlas of Human Anatomy. Vol. 3. Nervous System and Sensory Organs. 6th ed. Stuttgart; New York: Georg Thieme Verlag, 2008. 426p. ISBN13 9783131536761	

Netter, F. H. Atlas of Human Anatomy. 5th ed. Philadelphia: Saunders - Elsevier, 2010. 624p. ISBN: 978-1-4160-5951-6

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 122

A	B	C	D	E	FX
15,57	18,85	26,23	18,03	20,49	0,82

Lecturers: prof. MUDr. Peter Stanko, PhD., doc. MUDr. Eliška Kubíková, PhD., MPH, doc. MUDr. Anna Holomáňová, CSc., MUDr. Petra Šelmeciová, PhD., MUDr. Hisham El Falougy, PhD.

Last change: 27.02.2020

Approved by: