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University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of N	Iedicine	
Course ID: Dek. LF UPJŠ/UDVPd/16	<b>Se ID:</b> Dek. LF <b>Course name:</b> Active participation in domestic scientific events (Article in proceedings, extended abstract, abstract, first-authorshi	
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): ly period: esent	
Number of ECTS cr		
Recommended seme	ster/trimester of the cours	e:
Course level: III.		
Prerequisities:		
Conditions for cours	e completion:	
Learning outcomes:		
Brief outline of the c	ourse:	
Recommended litera	iture:	
Course language:		
Notes:		
<b>Course assessment</b> Total number of asse	ssed students: 184	
abs neabs		
100.0 0.0		
Provides:		
Date of last modifica	tion:	
Approved: prof. Ing.	Mária Mareková, CSc.	

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Medicine			
Course ID: Dek. LF UPJŠ/UZVPd/16	Course ID: Dek. LF Course name: Active participation in international scientific events JPJŠ/UZVPd/16		
Course type: Recommended cou Per week: Per stud	Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of ECTS cr	edits: 10		
Recommended seme	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	Conditions for course completion:		
Learning outcomes:	Learning outcomes:		
Brief outline of the c	ourse:		
Recommended litera	Recommended literature:		
Course language:			
Notes:			
Course assessment Total number of assessed students: 105			
abs neabs			
100.0 0.0			
Provides:			
Date of last modification:			
Approved: prof. Ing. Mária Mareková, CSc.			

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Medicine			
Course ID: ULCHBKB/AMB- KBd/09	Course name: Analytical Methods in Biochemistry		
Course type, scope a Course type: Semin Recommended cour Per week: 2 Per stu Course method: pre	ar • <b>se-load (hours):</b> dy period: 28		
Number of ECTS cro	edits: 5		
Recommended seme	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
-	-	d tasks, exam; more details: https://www.upjs.sk/ 0methods.pdf	
clinical-biochemical material (eg body	diagnostics both theoretical	ed in laboratories with a focus on application in lly and practically. They can analyze biological analytical techniques (eg spectrophotometry, noresis).	
Physico-chemical me More details:	es. Optical methods. Insuthods of separation and dete	ulation techniques. Electrophoretic techniques. ection of substances. Immunoanalytical methods. s_Analytical%20methods_Doct.pdf	
Recommended literature: Lottspeich F., Engels J.W.:Bioanalytics: Analytical Methods and Concepts in Biochemistry and Molecular Biology, Willey, 2019 Locatelli M, Celia Ch.:Analytical Chemistry, NOVA, 2017 Current scientific and professional publications			
Course language: english, slovak			
Notes: x			
Course assessment	and students: 20		
Total number of asses	Ne	Pr	
	0.0	100.0	
		100.0	

**Provides:** doc. Ing. Katarína Dubayová, PhD., prof. Ing. Mária Mareková, CSc., doc. RNDr. Vladimíra Tomečková, PhD.

**Date of last modification:** 09.03.2022

Approved: prof. Ing. Mária Mareková, CSc.

University: P. J. Šafár	rik University in Košice		
Faculty: Faculty of Medicine			
Course ID: ULCHBKB/BNK- KBd/09	ourse ID:       Course name: Analytical Methods in Biochemistry         LCHBKB/BNK-       Course name: Analytical Methods in Biochemistry		
Course type, scope a Course type: Semin Recommended cour Per week: 2 Per stu Course method: pre	ar r <b>se-load (hours):</b> dy period: 28		
Number of ECTS cro	edits: 5		
Recommended seme	ster/trimester of the course:		
Course level: III.			
Prerequisities:			
	e completion: xercises, solving of assigned tasks, exam; more details: https://www.upjs.sk/ Doct_Requir_Bioch%20of%20NAs.pdf		
study of nucleic acid aware of the latest tree increasingly contribu- at the molecular leve and prognostic purpo	the theoretical and practical foundations of laboratory methods used in the ds (NA) and knows the current possibilities of gene therapy. Students are ends in the study of RNA molecules, including non-coding RNAs, which are ting to the improvement of laboratory diagnostics of pathological conditions el. The graduate is oriented in the possibilities of using NA for diagnostic oses, as molecular methods are becoming an essential part in the study of s and in clinical-biochemical diagnostics.		
RNA. Isolation of M sequencing, hybridiza	anscription. Proteosynthesis. Regulation of gene expression. Non-coding NK from biological material. Molecular-biochemical methods (eg PCR, ation). Basics of genetic material analysis. Use of special analyzes. The latest poratory diagnostics. More details: https://www.upjs.sk/public/media/25151/		
Waye M.M.Y.: Bioch Nussbaum R.L. et al.: Strachan T. et al.: Gen Hunter B.D.: Molecu	ture: : Medical Biochemistry, Academic Press, 2017 emistry and Molecular Biology, Nova Science Publishers Inc., 2015 : Genetics in Medicine, Elsevier, 2015 netics and Genomics in Medicine, GS, 2014 lar Genetics and Personalized Medicine, Humana Press Inc., 2014 I professional publications		
<b>Course language:</b> english, slovak			
Notes: x			

<b>Course assessment</b> Total number of assessed students: 14		
Ne Pr		
0.0 100.0		
Provides: prof. Ing. Mária Mareková, CSc., doc. RNDr. Miroslava Rabajdová, PhD.		
Date of last modification: 09.03.2022		
Approved: prof. Ing. Mária Mareková, CSc.		

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Medicine			
Course ID: Dek. LF UPJŠ/SAUPTd/16	Course ID: Dek. LF Course name: Authorship and co-authorship of teaching aids and texts JPJŠ/SAUPTd/16		
Course type: Recommended cour Per week: Per stud	Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of ECTS cro	edits: 6		
Recommended seme	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	ture:		
Course language:			
Notes:	Notes:		
<b>Course assessment</b> Total number of asses	ssed students: 7		
abs neabs			
100.0 0.0			
Provides:			
Date of last modifica	tion:		
Approved: prof. Ing.	Mária Mareková, CSc.		

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Medicine			
Course ID: UPF/ ZVPd/16	Course name: Basics of Scientific Work in Medicine		
Course type, scope a Course type: Lectur Recommended cou Per week: 1 Per stu Course method: pre	re <b>rse-load (hours):</b> dy period: 14 esent		
Number of ECTS cr			
Recommended seme	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	iture:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 107		
Ne Pr			
0.0 100.0			
	r. Roman Beňačka, CSc., M na Dankulincová, PhD., RN	UDr. Martin Javorský, PhD., Mgr. Peter Kolarčik, Dr. Darina Petrášová, PhD.	
Date of last modification: 14.10.2021			
Approved: prof. Ing.	Approved: prof. Ing. Mária Mareková, CSc.		

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of M	ſedicine	
Course ID: Dek. LF UPJŠ/CITd/16	Course ID: Dek. LFCourse name: Citation of a paper (in domestic, international journals or SCI)VPJŠ/CITd/16SCI)	
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	r <b>se-load (hours): y period:</b> esent	
Number of ECTS cr		
	ster/trimester of the cou	rse:
Course level: III.		
Prerequisities:		
Conditions for cours	e completion:	
Learning outcomes:		
Brief outline of the c	ourse:	
Recommended litera	iture:	
Course language:		
Notes:		
<b>Course assessment</b> Total number of asses	ssed students: 83	
abs neabs		
100.0 0.0		
Provides:		
Date of last modifica	tion:	
Approved: prof. Ing.	Mária Mareková, CSc.	

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Medicine			
Course ID: Dek. LF UPJŠ/RGPd/16			
Course type: Recommended cour Per week: Per stud Course method: pre	Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of ECTS cr			
	ster/trimester of the cours	2:	
Course level: III.			
Prerequisities:			
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	iture:		
Course language:			
Notes:			
Course assessment Total number of assessed students: 218			
abs neabs			
100.0 0.0			
Provides:			
Date of last modification:			
Approved: prof. Ing. Mária Mareková, CSc.			

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Medicine		
Course ID: Dek. LFCourse name: CorUPJŠ/UEVPd/16		
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of ECTS credits: 5		
Recommended semester/trimester of th	le course:	
Course level: III.		
Prerequisities:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 119		
abs neabs		
100.0 0.0		
Provides:		
Date of last modification:		
Approved: prof. Ing. Mária Mareková, CSc.		

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Medicine		
Course ID: Dek. LF UPJŠ/LPCd/16	Course ID: Dek. LF       Course name: Curative and preventive healthcare activity (per semester)         JPJŠ/LPCd/16       IPJŠ/LPCd/16	
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): y period:	
Number of ECTS cr	edits: 10	
Recommended seme	ster/trimester of the cours	e:
Course level: III.		
Prerequisities:		
Conditions for cours	e completion:	
Learning outcomes:		
Brief outline of the c	ourse:	
Recommended litera	ture:	
Course language:		
Notes:		
<b>Course assessment</b> Total number of asse	ssed students: 119	
abs neabs		
100.0 0.0		
Provides:		
Date of last modifica	tion:	
Approved: prof. Ing.	Mária Mareková, CSc.	

Faculty: Faculty of Medicine

Course ID: Dek. LF	<b>Course name:</b> Defence of Doctoral Thesis
UPJŠ/ODZ/05	

Course type, scope and the method: Course type: Recommended course-load (hours):

Per week: Per study period:

**Course method:** present

Number of ECTS credits: 20

**Recommended semester/trimester of the course:** 

Course level: III.

Prerequisities:

#### **Conditions for course completion:**

All information about the doctoral study is specified on the faculty's website in the Doctoral Study section, including the conditions of completion, which are detailed in the State Examinations section. Students will find here all the necessary information, forms and documents, including information on the formal side of the dissertation, which are in accordance with Directive No. 1/2011 on the basic requirements of final theses and the PhD Study Regulations at UPJŠ in Košice. The submitted work must be in accordance with the Rector's Decision No. 5/2021, issuing the principles of good practice of scientific publication at UPJŠ in Košice and its parts, Rector's Decision No. 21/2021, on issuing rules for the assessment of plagiarism at UPJŠ in Košice and its parts, Rector's Decision No. 2/2022 which issues the principles of good research practice at UPJŠ in Košice and its parts.

#### Learning outcomes:

The dissertation has the character of a scientific work and the student demonstrates by this work extensive mastery of the theory and professional terminology from the field of study/study program, acquisition of knowledge, skills and competencies in accordance with the declared profile of the graduate, as well as the ability to apply them in an original way. The student demonstrates the ability of independent scientific work in terms of content, formal and ethical, ant the ability to present and critically analyses obtained results.

#### **Brief outline of the course:**

#### **Recommended literature:**

#### **Course language:**

english, slovak

Notes:

#### Course assessment

Total number of assessed students: 336

N	NNe	NU	NeO	0	Р
0.0	0.0	1.79	0.0	93.75	4.46

Provides:

**Date of last modification:** 23.03.2022

Approved: prof. Ing. Mária Mareková, CSc.

	rik University in Košice	
Faculty: Faculty of N	Iedicine	
Course ID: Dek. LF UPJŠ/DZS/05	Course name: Dissertatio	n examination
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): y period:	
Number of ECTS cr	edits: 15	
Recommended seme	ster/trimester of the cours	se:
Course level: III.		
Prerequisities:		
prescribed composition the study in the four-	on of subjects and the acqui year form and five-year in t	
prescribed composition the study in the four	on of subjects and the acqui year form and five-year in t es on the result of the exan In the event of equality of	isition of at least 90 credits in the external form, it
prescribed composition the study in the four- The committee decide the members present. Learning outcomes: Brief outline of the c	on of subjects and the acquiver form and five-year in the son the result of the examination of the event of equality of <b>ourse:</b>	isition of at least 90 credits in the external form, if the external form. nination in a non-public meeting by a majority of
prescribed composition the study in the four	on of subjects and the acquiver form and five-year in the son the result of the examination of the event of equality of <b>ourse:</b>	isition of at least 90 credits in the external form, if the external form. nination in a non-public meeting by a majority of
prescribed composition the study in the four- The committee decide the members present. Learning outcomes: Brief outline of the construction Recommended literation Course language:	on of subjects and the acquiver form and five-year in the son the result of the examination of the event of equality of <b>ourse:</b>	isition of at least 90 credits in the external form, if the external form. nination in a non-public meeting by a majority of
prescribed composition the study in the four- The committee decident the members present. Learning outcomes: Brief outline of the content Recommended literat Course language: english, slovak	on of subjects and the acqui year form and five-year in t es on the result of the exam In the event of equality of ourse: ture:	isition of at least 90 credits in the external form, if the external form. nination in a non-public meeting by a majority of
prescribed composition the study in the four- The committee decide the members present. Learning outcomes: Brief outline of the c Recommended literat Course language: english, slovak Notes: Course assessment	on of subjects and the acqui year form and five-year in t es on the result of the exam In the event of equality of ourse: ture:	isition of at least 90 credits in the external form, if the external form. nination in a non-public meeting by a majority of
prescribed composition the study in the four- The committee decide the members present. Learning outcomes: Brief outline of the c Recommended literat Course language: english, slovak Notes: Course assessment	on of subjects and the acquir year form and five-year in the essent of the examination of the examination of the examination of the event of equality of event of event of equality of event of equality of event of equality of event of event of equality of event of event of equality of event of event of equality of event of	isition of at least 90 credits in the external form, in the external form. nination in a non-public meeting by a majority of votes, the vote of the President shall prevail.
prescribed composition the study in the four- The committee decide the members present. Learning outcomes: Brief outline of the c Recommended litera Course language: english, slovak Notes: Course assessment Total number of asses	on of subjects and the acquiry year form and five-year in the essent of the examination of the examination of the examination of the event of equality of	P
prescribed composition the study in the four- The committee decide the members present. Learning outcomes: Brief outline of the c Recommended literat Course language: english, slovak Notes: Course assessment	on of subjects and the acquiry year form and five-year in the essent of the examination of the examination of the examination of the event of equality of equality of equality of equality of equality of equality of equalit	P

	COURSE INFORMATION LETTER
University: P. J. Šafa	árik University in Košice
Faculty: Faculty of I	Medicine
<b>Course ID:</b> CJP/ LFAJD/05	<b>Course name:</b> English Language for PhD Students of Faculty of Medicine
Course type, scope a Course type: Practa Recommended cou Per week: 2 Per sta Course method: pr	ice irse-load (hours): udy period: 28
Number of ECTS ci	redits: 10
Recommended sem	ester/trimester of the course:
Course level: III.	
Prerequisities:	
Written assignments	urse English for PhD Students (lms.upjs.sk), consultations (1-3). - Professional/Academic CV, Short Academic Biography. accordance with the exam requirements: //www.upjs.sk/filozoficka-fakulta/cjp/
of their linguistic c and syntactic aspect	students' language skills - reading, writing, listening, speaking, improvement ompetence - students acquire knowledge of selected phonological, lexical ts, development of pragmatic competence - students can efectively use the purpose, with focus on Academic English and English for specific/professional
(formality, academi functions (expressin graphs/charts/schem	<b>course:</b> academic and professional English with focus on vocabulary development ic word-list), English grammar (passive voice, nominalisatio), language ag opinion, cause/effect, presenting arguments, giving examples, describing es, writing Academic CV and short BIO, etc.). Cross-language interference cation (self-presentation, presenting at scientific meetings and conferences).
Kolaříková, Z., Petru UPJŠ Košice, 2021. Tomaščíková, S., Ro Vydavateľstvo Šafár McCarthy, M., O'De Štepánek, L., J. De H 2011.	cademic Vocabulary Practice. OUP, 2017. uňová, H., Timková, R.: Angličtina v akademickom prostredí (cvičebnica). ozenfeld, J. Developing Academic English in Speaking and Writing.
English language, le	vel B2, C1 according to CEFR

Notes:	
<b>Course assessment</b> Total number of assessed students: 356	
Ne	Pr
0.0	100.0
Provides: PhDr. Helena Petruňová, CSc., Mgr. Zuza	na Kolaříková, PhD.
Date of last modification: 12.04.2022	
Approved: prof. Ing. Mária Mareková, CSc.	

University P I Šafá	rik University in Kočice		
	University: P. J. Šafárik University in Košice Faculty: Faculty of Medicine		
Course ID: ULCHBKB/ZBV- KBd/12	Course name: Fundamentals of Biochemistry Nutrition		
Course type, scope a Course type: Semin Recommended cour Per week: 2 Per stu Course method: pre	ar rse-load (hours): dy period: 28		
Number of ECTS cro	edits: 5		
Recommended seme	ster/trimester of the course:		
Course level: III.			
Prerequisities: ULCH	IBKB/LB-KBd/09		
<b>Conditions for cours</b> seminars, solving of a Doct_Requir_Nutrition	assigned tasks, exam; more details: https://www.upjs.sk/public/media/25151/		
of nutrition in disease nutrients, the important will get acquainted we alternative forms of d	h knowledge and will understand of human nutrition, including the importance e prevention. He knows the process of digestion and resorption of essential nee of ballast substances in nutrition and the nutritional value of food. Students with the basics of proper nutrition, the specifics of artificial nutrition and liet. Graduates know the influence of nutrition on the emergence of diseases t acquainted with nutrigenomics.		
substances in nutritio Healthy nutrition and on the emergence of of diet. Technologica	ourse: n nutrition. Digestion, resorption and metabolism of essential nutrients. Ballast on and their relation to the intestinal microbiome. Nutritional value of food. I its contribution to reducing the risk of disease. The influence of nutrition diseases of civilization. Specifics of artificial nutrition and alternative forms I food processing. Nutrigenomics. More details: https://www.upjs.sk/public/ s_Nutrition_Doct.pdf		
	ture: al Biochemistry, CRC Press, 2015 professional publications		
Course language: english			
Notes: x			

Course assessment Total number of assessed students: 6	
Ne	Pr
0.0	100.0
Provides: doc. Ing. Katarína Dubayová, PhD.	
Date of last modification: 20.08.2021	
Approved: prof. Ing. Mária Mareková, CSc.	

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Medicine			
Course ID: Dek. LF       Course name: Grant award for young scientists (medical school)         UPJŠ/GLFd/16       VPJŠ/GLFd/16			
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	r <b>se-load (hours):</b> y period: esent		
Number of ECTS cr	edits: 10		
Recommended seme	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	Conditions for course completion:		
Learning outcomes:	Learning outcomes:		
Brief outline of the c	ourse:		
Recommended litera	Recommended literature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asses	ssed students: 8		
	abs	neabs	
100.0 0.0			
Provides:			
Date of last modifica	tion:		
Approved: prof. Ing.	Mária Mareková, CSc.		

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Medicine			
Course ID: Dek. LF Course name: Individual study of scientific literature UPJŠ/ISLd/16			
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	r <b>se-load (hours):</b> y period: sent		
Number of ECTS cro			
	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the c	Brief outline of the course:		
Recommended literature:			
Course language:			
Notes:			
Course assessment Total number of assessed students: 248			
abs neabs			
100.0 0.0			
Provides:			
Date of last modifica	Date of last modification:		
Approved: prof. Ing. Mária Mareková, CSc.			

	1 II · · · IZ · ·	
University: P. J. Šafárik University in Košice		
Faculty: Faculty of M		
Course ID: ULCHBKB/VMKB- KBd/09	Course name: Laboratory Diagnostic Methods in Clinical Biochemistry	
Course type, scope a Course type: Semin Recommended cour Per week: 2 Per stu Course method: pre	ar rse-load (hours): dy period: 28	
Number of ECTS cro	edits: 10	
Recommended seme	ster/trimester of the course:	
Course level: III.		
Prerequisities:		
	e completion: eminars, solving of assigned tasks, exam; more details: https://www.upjs.sk/ Doct_Requir_Methods%20in%20Clin%20Bioch.pdf	
processing of biologic biological samples. T and the used instrume	gain theoretical and practical knowledge about the correct collection and cal material. They know the basic laboratory methods used in the analysis of they will get acquainted with the work in the clinical-biochemical laboratory ntation (including automation and control) and will be able to apply the results biochemical examination in the diagnosis of diseases.	
of results (physiolo emergency medicine. Inflammatory market metabolism - market and robotization in o	ourse: ical biochemistry. Collection of biological material and interpretation ogical and pathophysiological values). Basic laboratory parameters in Diabetes mellitus. Biochemical examinations in liver diseases. Kidneys. ers. Cardiac markers. Blood count. Coagulation examinations. Bone rs of bone metabolism. Specialized investigation procedures. Automation clinical-biochemical diagnostics. More details: https://www.upjs.sk/public/ s_Methods%20in%20Clin%20Bioch_Doct.pdf	
Recommended literature: Shweta Pandey et al.: Protocols in Biochemistry and Clinical Biochemistry, 2020 Marshall W.: Clinical Biochemistry: Metabolic and Clinical Aspects, Elsevier, 2014 Swaminathan R.: Handbook of Clinical Biochemistry, World Scientific Publishing Co Pte, 2011 McPherson R.A., Pincus M.R.: Henry's Clinical Diagnosis and Management by Laboratory Methods, Elsevier, 2011 Current scientific and professional publications		
<b>Course language:</b> english, slovak		
Notes: x		

<b>Course assessment</b> Total number of assessed students: 32		
Ne	Pr	
0.0 100.0		
<b>Provides:</b> prof. Ing. Mária Mareková, CSc., do Ďurovcová, PhD.	c. RNDr. Miroslava Rabajdová, PhD., MUDr. Eva	
Date of last modification: 09.03.2022		
Approved: prof. Ing. Mária Mareková, CSc.		

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Medicine		
<b>Course ID:</b> Dek. LF <b>Course name:</b> Lecture at a professional seminar at the workplace UPJŠ/PSPd/16		
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of ECTS credits: 3		
Recommended semester/trimest	r of the course:	
Course level: III.		
Prerequisities:		
Conditions for course completion	1:	
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
<b>Course assessment</b> Total number of assessed student	51	
abs	neabs	
100.0	0.0	
Provides:		
Date of last modification:		
Approved: prof. Ing. Mária Mareková, CSc.		

University: P. J. Šafán	rik University in Košice	
Faculty: Faculty of Medicine		
Course ID:     Course name: Medical Biochemistry       ULCHBKB/LB-     KBd/09		
Course type, scope a Course type: Semin Recommended cour Per week: 2 Per stu Course method: pre	ar ·se-load (hours): dy period: 28	
Number of ECTS cro	edits: 10	
Recommended semes	ster/trimester of the course:	
Course level: III.		
Prerequisities:		
· 1	e completion: xercises, solving of assigned tasks, exam; more details: https://www.upjs.sk/ Doct_Requir_Med%20Bioch.pdf	
of biochemical proce of essential nutrients Can apply the acqui	he functions of living organisms at the cellular level and the laws of regulation esses in living systems. Knows the laws and mechanism of metabolism (eg carbohydrates, lipids, proteins, NA) taking place in the human body. red knowledge in various metabolic disorders, formulate conclusions and clinical-biochemical diagnostics.	
taking place at the c organs and tissues. Pr fluids and possibilitie nutrition. Basics of du	ourse: ilities of their use in clinical-biochemical practice. Biochemical processes ellular level (eg energy, metabolism, pathobiochemistry). Biochemistry of inciples of regulation (eg hormones, gene expression). Biochemistry of body es of their diagnostic use (eg acid-base regulation). Biochemical aspects of rug chemistry and xenobiochemistry. www.upjs.sk/public/media/25151/Syllabus_Medic%20Biochem_Doct.pdf	
Murray R.K a kol.: H	k of Biochemistry, Willey, 2013 arper's Biochemistry, LANGE, 2012 1.: Textbook of Biochemistry for Medical Students, JAYPEE, 2011	
<b>Course language:</b> english, slovak		
Notes: x		

Course assessment Total number of assessed students: 34		
Ne Pr		
0.0 100.0		
<b>Provides:</b> doc. RNDr. Marek Stupák, PhD., doc. Ing. Katarína Dubayová, PhD., doc. Mgr. Peter Urban, PhD., prof. Ing. Mária Mareková, CSc.		
Date of last modification: 27.04.2022		
Approved: prof. Ing. Mária Mareková, CSc.		

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Medicine			
Course ID: ULCHBKB/LCH- KBd/09	Course name: Medical Chemistry		
Course type, scope a Course type: Semin Recommended cou Per week: 2 Per stu Course method: pre	ar rse-load (hours): ıdy period: 28		
Number of ECTS cr	edits: 5		
Recommended seme	ester/trimester of the course	e:	
Course level: III.			
Prerequisities:			
	se completion: assigned tasks, exam; more of public/media/25151/Doct_R		
acquainted with the c in living systems. Gra	chemistry of colloidal system aduates will know the import	and kinetics of biological processes. They will get as and the function of semipermeable membranes ance, possibilities of use and mechanism of action ncluding toxic substances, selected medicaments	
membrans in living their significance in t	al systems. Bioenergetics and systems. Coordination comp medicine. Toxic substances.	d kinetics of biological processes. Semipermeable bounds. Organic and bioorganic compounds and More details: s_Med%20Chemisty_Dokct.pdf	
	Yoye's Principles of Medicination nemistry, Pearson Education,	al Chemistry, Lippincott Wiliams Wilkins, 2013 , 2009	
<b>Course language:</b> english, slovak			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 29		
Ne Pr			

**Provides:** doc. RNDr. Marek Stupák, PhD., doc. RNDr. Vladimíra Tomečková, PhD., Mgr. Katarína Kalinová, prof. Ing. Mária Mareková, CSc.

Date of last modification: 09.03.2022

Approved: prof. Ing. Mária Mareková, CSc.

University: P. J. Šat	ârik University in Košice		
Faculty: Faculty of	Medicine		
Course ID: UPZ/ MS-ANATd/09			
Course type, scope Course type: Sem Recommended co Per week: 1 Per st Course method: p	inar urse-load (hours): cudy period: 14		
Number of ECTS of	eredits: 5		
Recommended sem	ester/trimester of the cou	rse:	
Course level: III.			
Prerequisities:			
Conditions for cou	rse completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended lite	rature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of ass	essed students: 10		
Ne Pr		Pr	
10.0 90.0		90.0	
	Andrea Madarasová Geck oc. Mgr. Zuzana Dankulinc	ová, PhD., Mgr. Peter Kolarčik, PhD., Mgr. Daniela ová, PhD.	
Date of last modified	cation: 03.05.2015		
Approved: prof. Ins	g. Mária Mareková, CSc.		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of N	ledicine		
Course ID: Dek. LF Course name: Other activities (eg. member of the organizing committee of a conference)			
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pre	rse-load (hours): ly period: esent		
Number of ECTS cr			
Recommended seme	ster/trimester of the cour	se:	
Course level: III.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	ssed students: 60		
	abs neabs		
	100.0	0.0	
Provides:			
Date of last modifica	ntion:		
Approved: prof. Ing.	Mária Mareková, CSc.		

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of Medicine			
Course ID:       Course name: Pathobiochemistry - selected chapters         ULCHBKB/PB-       KBd/09			
Course type: Semin Recommended cour Per week: 2 Per stu	Course type, scope and the method: Course type: Seminar Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present		
Number of ECTS cr	edits: 5		
Recommended seme	ster/trimester of the course:		
Course level: III.			
Prerequisities: ULCH	IBKB/LB-KBd/09		
,	e completion: assigned tasks, exam; more details: public/media/25151/Doct_Requir_Pathobioch.pdf		
biochemical processe graduate is able to ap	knowledge of basic pathobiochemical processes, including changes in es in metabolic disorders and diseases of individual organs and tissues. The ply the knowledge of the study of pathobiochemical processes in the design al examinations, necessary for proper clinical diagnosis.		
porphyrins). Disorder resorption disorders.	ourse: atory disorders (eg carbohydrates, lipids, amino acids, plasma proteins, ers of water and electrolyte balance. Acid-base balance. Digestive and Disorders of the function of individual organs (eg liver, kidneys). www.upjs.sk/public/media/25151/Syllabus_Pathobiochem_Doct.pdf		
Recommended literature: Oohashi T. et al.: Human Pathobiochemistry, Springer, 2019 Mandl J., Machovich:Medical Pathobiochemistry, Diderot, 2014 Chakraborti S.: Proteases in Health and Disease, Springer, 2013 Newsholme E., Leech T.: Functional Biochemistry in Health and Disease, Wiley, 2010 Current scientific and professional publications			
Course language: english			
Notes: x			

<b>Course assessment</b> Total number of assessed students: 11	
Ne	Pr
0.0	100.0
Provides: MUDr. Eva Ďurovcová, PhD.	
Date of last modification: 20.08.2021	
Approved: prof. Ing. Mária Mareková, CSc.	

University: P. J. Ša	fárik University in Košic	e
Faculty: Faculty of	Medicine	
Course ID: UPF/ Course name: Pathological Physiology PF-KBd/09		
Course type, scope Course type: Sem Recommended co Per week: 3 Per su Course method: p	inar urse-load (hours): tudy period: 42	
Number of ECTS of	credits: 5	
Recommended sem	ester/trimester of the c	ourse:
Course level: III.		
Prerequisities:		
Conditions for cou	rse completion:	
Learning outcomes	5:	
Brief outline of the	course:	
Recommended lite	rature:	
Course language:		
Notes:		
<b>Course assessment</b> Total number of ass	essed students: 0	
	Ne	Pr
	0.0	0.0
Provides:		
Date of last modifie	cation: 03.05.2015	
Approved: prof. Ins	g. Mária Mareková, CSc	

University:	ΡJ	Šafárik	University	in Košice
omversiey.	1.0.	Suluin	Oniversity	

Faculty: Faculty of Medicine

**Course ID:** Dek. LF **Course name:** Preparation of the thesis for dissertation examination UPJŠ/PDS/16

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

Number of ECTS credits: 5

**Recommended semester/trimester of the course:** 

Course level: III.

Prerequisities:

#### **Conditions for course completion:**

The dissertation examination is a state examination and is public. The PhD student

submits the application for the dissertation examination through AiS2 in the time up to 24 months from the beginning of the study, depending on the standard length of studies, the PhD student in external form at the latest within three years from the beginning of the studies, the PhD student is obliged to submit, together with the application for the dissertation examination, a written work prepared for the dissertation examination.

All information about the doctoral study is specified on the faculty's website in the Doctoral Study section, including the conditions of completion, which are detailed in the State Examinations section. Students will find here all the necessary information, forms and documents, including information on the formal side of the dissertation, which are in accordance with Directive No. 1/2011 on the basic requirements of final theses and the PhD Study Regulations at UPJŠ in Košice. The submitted work must be in accordance with the Rector's Decision No. 5/2021, issuing the principles of good practice of scientific publication at UPJŠ in Košice and its parts, Rector's Decision No. 21/2021, on issuing rules for the assessment of plagiarism at UPJŠ in Košice and its parts, Rector's Decision No. 2/2022 which issues the principles of good research practice at UPJŠ in Košice and its parts.

Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language: english, slovak	
Notes:	
<b>Course assessment</b> Total number of assessed students: 70	
abs neabs	
100.0	0.0

**Provides:** 

**Date of last modification:** 23.03.2022

Approved: prof. Ing. Mária Mareková, CSc.

University: P. J. Šafá	University: P. J. Šafárik University in Košice			
Faculty: Faculty of N	Faculty: Faculty of Medicine			
Course ID: Dek. LF UPJŠ/CKVPd/16				
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): y period:			
Number of ECTS cro	edits: 10			
Recommended seme	ster/trimester of the cour	se:		
Course level: III.				
Prerequisities:	Prerequisities:			
Conditions for course completion:				
Learning outcomes:				
Brief outline of the c	ourse:			
Recommended literature:				
Course language:				
Notes:				
<b>Course assessment</b> Total number of asses	ssed students: 7			
abs neabs				
100.0 0.0				
Provides:				
Date of last modifica	tion:			
Approved: prof. Ing.	Mária Mareková, CSc.			

	ărik University in Košice		
Faculty: Faculty of	Medicine		
Course ID: ULCHBKB/SID- KBd/09	LCHBKB/SID- practice		
Course type, scope Course type: Sem Recommended co Per week: 2 Per st Course method: p	inar urse-load (hours): rudy period: 28		
Number of ECTS of	redits: 5		
Recommended sem	ester/trimester of the course:		
Course level: III.			
Prerequisities:			
<b>Conditions for cou</b> seminars, solving o Doct_Requir_Data <sup>6</sup>	f assigned tasks, exam; more details: https://www.upjs.sk/public/media	/25151/	
apply the acquired	: rs the basic statistical methods used in clinical biochemistry. They can c knowledge, e.g. test results in the diagnosis and treatment of various ors influencing the result and interpretation of biochemical examination	2	
	in the result and interpretation of blochemical examination		
Brief outline of the Laboratory tests. St processing. Statisti		.nd data	
Brief outline of the Laboratory tests. St processing. Statisti details: https://www Recommended lite Fang J.: Statistical Faltin F.: Statistical McPherson R.A., P Methods, Elsevier,	course: atistical analysis. Descriptive statistical analysis. Statistical evaluation a cal testing. Clinical effectiveness of diagnostic test. Statistical testing upjs.sk/public/media/25151/Syllabus_Data%20processing_Doct.pdf rature: Methods for Biomedical Research, World Scientific Pob Co Pte, 2021 Methods in Healthcare, Willey, 2012 incus M.R.: Henry's Clinical Diagnosis and Management by Laborator	nd data g. More	
Brief outline of the Laboratory tests. St processing. Statisti details: https://www Recommended lite Fang J.: Statistical Faltin F.: Statistical McPherson R.A., P Methods, Elsevier,	course: atistical analysis. Descriptive statistical analysis. Statistical evaluation a cal testing. Clinical effectiveness of diagnostic test. Statistical testing y.upjs.sk/public/media/25151/Syllabus_Data%20processing_Doct.pdf rature: Methods for Biomedical Research, World Scientific Pob Co Pte, 2021 Methods in Healthcare, Willey, 2012 incus M.R.: Henry's Clinical Diagnosis and Management by Laborator 2011	nd data g. More	
Brief outline of the Laboratory tests. St processing. Statisti details: https://www Recommended lite Fang J.: Statistical Faltin F.: Statistical McPherson R.A., P Methods, Elsevier, Current scientific a Course language:	course: atistical analysis. Descriptive statistical analysis. Statistical evaluation a cal testing. Clinical effectiveness of diagnostic test. Statistical testing y.upjs.sk/public/media/25151/Syllabus_Data%20processing_Doct.pdf rature: Methods for Biomedical Research, World Scientific Pob Co Pte, 2021 Methods in Healthcare, Willey, 2012 incus M.R.: Henry's Clinical Diagnosis and Management by Laborator 2011	nd data g. More	
Brief outline of the Laboratory tests. St processing. Statisti details: https://www Recommended lite Fang J.: Statistical I Faltin F.: Statistical I McPherson R.A., P Methods, Elsevier, Current scientific a Course language: english, slovak Notes:	course: atistical analysis. Descriptive statistical analysis. Statistical evaluation a cal testing. Clinical effectiveness of diagnostic test. Statistical testing upjs.sk/public/media/25151/Syllabus_Data%20processing_Doct.pdf rature: Methods for Biomedical Research, World Scientific Pob Co Pte, 2021 Methods in Healthcare, Willey, 2012 incus M.R.: Henry's Clinical Diagnosis and Management by Laborator 2011 ad professional publications	nd data g. More	
Brief outline of the Laboratory tests. St processing. Statisti details: https://www Recommended lite Fang J.: Statistical I Faltin F.: Statistical I McPherson R.A., P Methods, Elsevier, Current scientific a Course language: english, slovak Notes: x Course assessment	course: atistical analysis. Descriptive statistical analysis. Statistical evaluation a cal testing. Clinical effectiveness of diagnostic test. Statistical testing upjs.sk/public/media/25151/Syllabus_Data%20processing_Doct.pdf rature: Methods for Biomedical Research, World Scientific Pob Co Pte, 2021 Methods in Healthcare, Willey, 2012 incus M.R.: Henry's Clinical Diagnosis and Management by Laborator 2011 ad professional publications	nd data g. More	

**Date of last modification:** 09.03.2022

Approved: prof. Ing. Mária Mareková, CSc.

University: P.	J Šafárik	University in	Košice
University. 1.	J. Darank	Oniversity in	RUSICC

Faculty: Faculty of Medicine

Course ID: ULBF/	Course name: Proteomic Analysis of Clinical Samples
PAKV-KBd/12	

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

Course method: present

**Number of ECTS credits:** 5

**Recommended semester/trimester of the course:** 

Course level: III.

Prerequisities: ULCHBKB/LB-KBd/09

**Conditions for course completion:** 

solving basic tasks, exam

#### Learning outcomes:

The content and aim of the course is to get acquainted with the workflow of proteomic analysis of clinical samples, including acquaintance with analytical, physico-chemical and biochemical procedures used in clinical sample processing, nano HPLC, basic principles of mass spectrometry and bioinformatics data processing.

#### Brief outline of the course:

- Preparation of the samples for proteomic analysis
- Separation methods used for the preparation of clinical samples
- Basic terms and principles of mass spectrometers
- Ionization techniques used in mass spectrometers

- Electron ionization, chemical ionization, atmospheric pressure ionization, atmospheric pressure photoionization, matrix laser ionization, electrospray ionization, choice of ionization technique and recording polarity

- Basic types of mass analyzers, high and low resolution, accuracy of m / z determination, quadrupole analyzer, triple quadrupole analyzer, 3D ion trap, linear ion trap, flight time analyzer (TOF), electrostatic orbital trap - Orbitrap, Fourier transform ion cyclotron resonance (FT-ICR), tandem mass spectrometry (MS / MS)

- Combination of mass spectrometry and separation techniques

- Bioinformatics analysis of proteomic data

#### **Recommended literature:**

Feist P., Hummon A.B.: Proteomic Challenges: Sample Preparation Techniques for Microgram-Quantity Protein Analysis from Biological Samples, Int. J. Mol. Sci. 2015, 16, 3537-3563; doi:10.3390/ijms16023537, International Journal of Molecular Sciences, ISSN 1422-0067 Twyman R. M.: Principles of Proteomics, ISBN: 9780815344728 2.Edition 2013, Garland Science

Sinitcyn P., Rudolph J.D., Cox J., Computational Methods for Understanding Mass Spectrometry–Based Shotgun Proteomics Data, Annual Review of Biomedical Data Science, Vol. 1, pp. 207-234, 2018

# Morovič, M., Bioanalytické metódy v medicínskom výskume (časť Proteomika) ISBN 978-80-558-1515-2; p.č. 21407, Nitra 2020

#### **Course language:**

slovak, english

#### Notes:

#### Course assessment

Total number of assessed students: 2

Ne	Pr
0.0	100.0
Provides: doc. RNDr. Ján Sabo, CSc., univerzitný profesor, RNDr. Ivan Talian, PhD., RNDr.	

Miroslav Marcin, PhD., RNDr. Soňa Tkáčiková, PhD., RNDr. Imrich Géci, PhD.

Date of last modification: 11.05.2022

Approved: prof. Ing. Mária Mareková, CSc.

University: P. J. Šafá	University: P. J. Šafárik University in Košice			
Faculty: Faculty of N	Faculty: Faculty of Medicine			
Course ID: Dek. LF UPJŠ/PDRCd/16	Course name: Publication	in domestic peer-reviewed journals		
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): y period:			
Number of ECTS cro	edits: 10			
Recommended seme	ster/trimester of the cours	e:		
Course level: III.				
Prerequisities:	Prerequisities:			
Conditions for course completion:				
Learning outcomes:				
Brief outline of the c	ourse:			
Recommended litera	Recommended literature:			
Course language:				
Notes:	Notes:			
Course assessment Total number of assessed students: 166				
abs neabs				
100.0 0.0				
Provides:				
Date of last modification:				
Approved: prof. Ing. Mária Mareková, CSc.				

University: P. J. Šafárik Uni	versity in Košice		
Faculty: Faculty of Medicin	e		
Course ID: Dek. LF Cours UPJŠ/PZRCd/16	<b>e name:</b> Publication in international peer-reviewed journals		
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present			
Number of ECTS credits: 2	20		
Recommended semester/tr	imester of the course:		
Course level: III.			
Prerequisities:			
Conditions for course completion:			
Learning outcomes:			
Brief outline of the course:			
Recommended literature:			
Course language:			
Notes:			
Course assessment Total number of assessed students: 167			
abs neabs			
100.0 0.0			
Provides:			
Date of last modification:			
Approved: prof. Ing. Mária Mareková, CSc.			

University: P. J. Šafárik University in Košice				
Faculty: Faculty of Medicine				
Course ID: Dek. LF UPJŠ/PDPd/16	Course name: Review of	a student thesis		
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pre	rse-load (hours): ly period: esent			
Number of ECTS cr				
	ster/trimester of the cours	e:		
Course level: III.				
Prerequisities:				
Conditions for cours	e completion:			
Learning outcomes:				
Brief outline of the c	ourse:			
Recommended litera	Recommended literature:			
Course language:				
Notes:				
<b>Course assessment</b> Total number of asse	ssed students: 15			
abs neabs				
100.0 0.0				
Provides:				
Date of last modification:				
Approved: prof. Ing. Mária Mareková, CSc.				

University: P. J. Šafa	árik University in Košice		
Faculty: Faculty of I	Medicine		
<b>Course ID:</b> UPZ/ VKMP-EPIDd/14	Course name: Scientific communication and research projects management		
Course type, scope a Course type: Lectu Recommended cou Per week: 1 / 1 Per Course method: pr	rre / Seminar t <b>rse-load (hours):</b> • <b>study period:</b> 14 / 14		
Number of ECTS c	redits: 5		
Recommended sem	ester/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes:			
Brief outline of the	course:		
<b>Recommended liter</b>	ature:		
Course language:			
Notes:			
<b>Course assessment</b> Total number of asse	essed students: 46		
	Ne	Pr	
	2.17	97.83	
Mgr. Peter Kolarčik,	PhD., Ing. Lucia Bosáková,	vá, PhD., Mgr. Daniela Fiľakovská, PhD., PhD., univerzitný docent, doc. Mgr. Zuzana hD., Mgr. Daniela Husárová, PhD.	
Date of last modific	ation: 03.05.2015		
Approved: prof. Ing	. Mária Mareková, CSc.		

University: P. J. Šafárik University in Košice				
Faculty: Faculty of	Faculty: Faculty of Medicine			
<b>Course ID:</b> UFZ/ VKFP-KBd/12				
Course type, scope Course type: Sem Recommended co Per week: 2 Per st Course method: p	inar urse-load (hours): cudy period: 28			
Number of ECTS of	eredits: 5			
Recommended sem	ester/trimester of the cou	'se:		
Course level: III.				
Prerequisities:				
Conditions for cou	rse completion:			
Learning outcomes	:			
Brief outline of the	course:			
Recommended lite	rature:			
Course language:				
Notes:				
<b>Course assessment</b> Total number of ass	essed students: 0			
Ne Pr				
0.0 0.0				
Provides: prof. MU	Dr. Viliam Donič, CSc.			
Date of last modified	cation: 03.05.2015			
Approved: prof. Ing	g. Mária Mareková, CSc.			

Faculty: Faculty of Medicine         Course ID: Dek. LF       Course name: Spring School for PhD Students         UPJ\$/JSD/14       Course name: Spring School for PhD Students         Course type: Lecture       Recommended course-load (hours):         Per week: Per study period: 4d       Course method: present         Number of ECTS credits: 2       Recommended semester/trimester of the course:         Course level: III.       Prerequisities:         Conditions for course completion:       Learning outcomes:         Brief outline of the course:       Recommended literature:         Course language:       english, slovak         Notes:       Course assessment         Total number of assessed students: 55       abs         neabs       100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSc.       Date of last modification: 23.03.2022	University: P. J. Šafá	University: P. J. Šafárik University in Košice			
Course ID: Dek. LF       Course name: Spring School for PhD Students         UPJŠ/JSD/14       Course name: Spring School for PhD Students         Course type, scope and the method:       Course type: Lecture         Recommended course-load (hours):       Per week: Per study period: 4d         Course method: present       Number of ECTS credits: 2         Recommended semester/trimester of the course:       Course level: III.         Prerequisities:       Conditions for course completion:         Learning outcomes:       Brief outline of the course:         Recommended literature:       Course language:         english, slovak       Notes:         Course assessment       Total number of assessed students: 55         abs       neabs         100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSc.       0.0		2			
Course type: Lecture         Recommended course-load (hours):         Per week: Per study period: 4d         Course method: present         Number of ECTS credits: 2         Recommended semester/trimester of the course:         Course level: III.         Prerequisities:         Conditions for course completion:         Learning outcomes:         Brief outline of the course:         Recommended literature:         Course language:         english, slovak         Notes:         Course assessment         Total number of assessed students: 55         abs       neabs         100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSc.	Course ID: Dek. LF	Course ID: Dek. LF Course name: Spring School for PhD Students			
Recommended semester/trimester of the course:         Course level: III.         Prerequisities:         Conditions for course completion:         Learning outcomes:         Brief outline of the course:         Recommended literature:         Course language:         english, slovak         Notes:         Course assessment         Total number of assessed students: 55         abs       neabs         100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSc.	Course type: Lecture Recommended course-load (hours): Per week: Per study period: 4d				
Course level: III.         Prerequisities:         Conditions for course completion:         Learning outcomes:         Brief outline of the course:         Recommended literature:         Course language:         english, slovak         Notes:         Course assessment         Total number of assessed students: 55         abs       neabs         100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSc.	Number of ECTS cr	edits: 2			
Prerequisities:         Conditions for course completion:         Learning outcomes:         Brief outline of the course:         Recommended literature:         Course language:         english, slovak         Notes:         Course assessment         Total number of assessed students: 55         abs       neabs         100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSe.	Recommended seme	ster/trimester of the course	2.		
Conditions for course completion:         Learning outcomes:         Brief outline of the course:         Recommended literature:         Course language:         english, slovak         Notes:         Course assessment         Total number of assessed students: 55         abs       neabs         100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSc.	Course level: III.				
Learning outcomes:         Brief outline of the course:         Recommended literature:         Course language:         english, slovak         Notes:         Course assessment         Total number of assessed students: 55         abs       neabs         100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSc.	Prerequisities:	Prerequisities:			
Brief outline of the course:         Recommended literature:         Course language:         english, slovak         Notes:         Course assessment         Total number of assessed students: 55         abs       neabs         100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSc.	Conditions for cours	Conditions for course completion:			
Recommended literature:         Course language:         english, slovak         Notes:         Course assessment         Total number of assessed students: 55         abs       neabs         100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSc.	Learning outcomes:				
Course language: english, slovak         Notes:         Course assessment Total number of assessed students: 55         abs       neabs         100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSc.	Brief outline of the c	Brief outline of the course:			
english, slovak         Notes:         Course assessment         Total number of assessed students: 55         abs       neabs         100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSc.	<b>Recommended litera</b>	ture:			
Course assessment         Total number of assessed students: 55         abs       neabs         100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSc.	0 0				
Total number of assessed students: 55         abs       neabs         100.0       0.0         Provides: prof. MUDr. Viliam Donič, CSc.	Notes:				
100.0     0.0       Provides: prof. MUDr. Viliam Donič, CSc.					
Provides: prof. MUDr. Viliam Donič, CSc.	abs neabs				
	100.0 0.0				
Date of last modification: 23.03.2022	Provides: prof. MUDr. Viliam Donič, CSc.				
	Date of last modification: 23.03.2022				
Approved: prof. Ing. Mária Mareková, CSc.					

University: P. J. Šafár	University: P. J. Šafárik University in Košice				
Faculty: Faculty of Medicine					
Course ID: Dek. LF UPJŠ/ZSPd/16	Course ID: Dek. LF Course name: Study stay abroad UPJŠ/ZSPd/16				
Course type, scope an Course type: Recommended cour Per week: Per study Course method: pres	<b>se-load (hours):</b> 7 <b>period:</b> sent				
Number of ECTS cre					
Recommended semes	ter/trimester of the c	course:			
Course level: III.					
Prerequisities:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the co	Brief outline of the course:				
Recommended literature:					
Course language:					
Notes:					
<b>Course assessment</b> Total number of asses	sed students: 29				
abs neabs					
100.0 0.0					
Provides:					
Date of last modificat	ion:				
Approved: prof. Ing.	Approved: prof. Ing. Mária Mareková, CSc.				

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Medicine			
Course ID: Dek. LF UPJŠ/DSPd/16	Durse ID: Dek. LF       Course name: Study stay domestic         PJŠ/DSPd/16       Course name: Study stay domestic		
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present			
Number of ECTS cr			
	Recommended semester/trimester of the course:		
Course level: III.			
Prerequisities:			
Conditions for course completion:			
Learning outcomes:			
Brief outline of the course:			
Recommended literature:			
Course language:			
Notes:			
Course assessment Total number of assessed students: 17			
	abs	neab	S
	100.0	0.0	
Provides:			
Date of last modification:			
Approved: prof. Ing. Mária Mareková, CSc.			

<b>COURSE INFORMATION LETTER</b>		
University: P. J. Šafárik University in Košice		
Faculty: Faculty of M	Iedicine	
<b>Course ID:</b> Dek. LF UPJŠ/ODP/16	Course name: Submission of dissertation thesis for defense	
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	rse-load (hours): y period: esent	
Number of ECTS cro	ster/trimester of the course:	
Course level: III.	ster/trimester of the course:	
Prerequisities:		
The PhD student can apply for the defense of the dissertation for the relevant paper of the Rectorate or the Dean's Office, if the study program takes place at the faculty, if he has obtained at least 210 credits, if the study in the daily form is four years old and an external five years old, without including the credits for the dissertation defense. The application is submitted no later than 3 months before the scheduled completion of his PhD. All information about the doctoral study is specified on the faculty's website in the Doctoral Study section, including the conditions of completion, which are detailed in the State Examinations section. Students will find here all the necessary information, forms and documents, including information on the formal side of the dissertation, which are in accordance with Directive No. 1/2011 on the basic requirements of final theses and the PhD Study Regulations at UPJŠ in Košice. The submitted work must be in accordance with the Rector's Decision No. 5/2021, issuing the principles of good practice of scientific publication at UPJŠ in Košice and its parts, Rector's Decision No. 21/2021, on issuing rules for the assessment of plagiarism at UPJŠ in Košice and its parts, Rector's Decision No. 2/2022 which issues the principles of good research practice at UPJŠ in Košice and its parts.		
Learning outcomes:		
Brief outline of the concernmended litera		
<b>Course language:</b> english, slovak		

Notes:

Course assessment		
Total number of assessed students: 51		
abs	neabs	
100.0	0.0	
Provides:		

Date of last modification: 23.03.2022

Approved: prof. Ing. Mária Mareková, CSc.

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Medicine	Faculty: Faculty of Medicine		
Course ID: Dek. LF Course name: Supervision of the final thesis of bachelor studies JPJŠ/ZPBSd/16			
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present			
Number of ECTS credits: 10			
Recommended semester/trimester of the cou	ırse:		
Course level: III.			
Prerequisities:			
Conditions for course completion:			
Learning outcomes:			
Brief outline of the course:			
Recommended literature:			
Course language:			
Notes:			
Course assessment Total number of assessed students: 3			
abs	neabs		
100.0	0.0		
Provides:			
Date of last modification:			
Approved: prof. Ing. Mária Mareková, CSc.			

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Medicine		
ourse ID: Dek. LF Course name: Supervision of undergraduate student research (ŠVOČ) PJŠ/SVOCd/16		
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of ECTS credits: 12		
Recommended semester/trimester of t	the course:	
Course level: III.		
Prerequisities:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 10		
abs	neabs	
100.0	0.0	
Provides:		
Date of last modification:		
Approved: prof. Ing. Mária Mareková, CSc.		

University: P. J. Šafári	University: P. J. Šafárik University in Košice		
Faculty: Faculty of Me	Faculty: Faculty of Medicine		
Course ID: Dek. LF UPJŠ/PCDd/16	Course ID: Dek. LF       Course name: Teaching activities by PhD students (per semester)         PJŠ/PCDd/16       PJŠ/PCDd/16		
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present			
Number of ECTS cree	dits: 10		
Recommended semest	ter/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for course completion:			
Learning outcomes:			
Brief outline of the co	urse:		
Recommended literature:			
Course language:			
Notes:			
Course assessment Total number of assessed students: 285			
	abs	neabs	
1	00.0	0.0	
Provides:			
Date of last modification:			
Approved: prof. Ing. Mária Mareková, CSc.			

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of Medicine		
Course ID: ULCHBKB/VIDB- KBd/09	Course name: Usage of the Internet Databases in Biochemistry	
Course type, scope a Course type: Semin Recommended cour Per week: 2 Per stu Course method: pre	ar rse-load (hours): dy period: 28	
Number of ECTS cr	edits: 5	
Recommended seme	ster/trimester of the course	2:
Course level: III.		
Prerequisities:		
	assigned tasks, exam; more o	details: equir_Internet%20database.pdf
Learning outcomes: The graduate knows in scientific research.		biochemistry, can work with them and use them
sequence databases.	Databases based on NA Databases functional. Domai	data records. NA sequence databases. Protein n databases. Special purpose databases. 5151/Syllabus_Internet%20database_Doct.pdf
Recommended litera internet, current scier	nture: ntific and professional public	eations
<b>Course language:</b> english, slovak		
Notes: x		
<b>Course assessment</b> Total number of asse	ssed students: 8	
	Ne	Pr
	0.0	100.0
Provides: prof. Ing. Mária Mareková, CSc.		
Date of last modification: 09.03.2022		
Approved: prof. Ing.	Mária Mareková, CSc.	