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## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/APV-DK +Z/22	<b>Course name:</b> Active presentation of results at a national conference with international participation
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Active presentation of results at a national conference with international participation. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By actively participating in a scientific conference, the doctoral student demonstrates a high level of knowledge and ability to identify, evaluate, correctly apply scientific knowledge and research methods. Demonstrates competence to use existing knowledge and generate new original scientific knowledge that he can critically analyse and communicate to a wider audience by adequate means (e.g. lecture, poster).	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 110	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/APV-MK/22	<b>Course name:</b> Active presentation of results at an international conference abroad
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Active presentation of results at an international conference abroad. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By actively participating in a scientific conference, the doctoral student demonstrates a high level of knowledge and ability to identify, evaluate, correctly apply scientific knowledge and research methods. Demonstrates competence to use existing knowledge and generate new original scientific knowledge that he can critically analyse and communicate to a wider audience by adequate means (e.g. lecture, poster).	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 69	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/APV-DK/22	<b>Course name:</b> Active presentation of results at the national conference
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Active presentation of results at the national conference. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By actively participating in a scientific conference, the doctoral student demonstrates a high level of knowledge and ability to identify, evaluate, correctly apply scientific knowledge and research methods. Demonstrates competence to use existing knowledge and generate new original scientific knowledge that he can critically analyse and communicate to a wider audience by adequate means (e.g. lecture, poster).	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 84	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/G-DP/22	<b>Course name:</b> Co-solver of a national project (VEGA, KEGA, APVV ...)
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Co-solver of a national project (VEGA, KEGA, APVV ...). The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> The doctoral student, as a co-investigator, participates in the solution of projects within the team cooperation, he is responsible for partial tasks in the solution of which he participates under the guidance of his supervisor.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 107	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/G-MP/22	<b>Course name:</b> Co-solver of an international project
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 15	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Co-solver of an international project. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> The doctoral student, as a co-investigator, participates in the solution of projects within the team cooperation, he is responsible for partial tasks in the solution of which he participates under the guidance of his supervisor.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 15	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/G-UPJS- SR/22	<b>Course name:</b> Co-solver of internal grant (VVGS)
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Co-solver of internal grant (VVGS). The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> The doctoral student, as a co-investigator, participates in the solution of projects within the team cooperation, he is responsible for partial tasks in the solution of which he participates under the guidance of his supervisor.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 16	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/V-SVOC/22	<b>Course name:</b> Consultation of ŠVOČ
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 8	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program). The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> It concerns professional and consulting work in the management of students, by which the doctoral student demonstrates the ability to use and pass on the acquired scientific knowledge and skills acquired through studies in the relevant field of study / study program.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 11	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Medicine					
<b>Course ID:</b> Dek. LF UPJŠ/ODZ/05		<b>Course name:</b> Defence of Doctoral Thesis			
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 20					
<b>Recommended semester/trimester of the course:</b>					
<b>Course level:</b> III.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b> 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.					
<b>Learning outcomes:</b> 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, and the ability to present and critically analyses obtained results.					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b> english, slovak					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 395					
N	NNe	NU	NeO	O	P
0.0	0.0	1.52	0.0	86.58	11.9

<b>Provides:</b>
<b>Date of last modification:</b> 23.03.2022
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/DZS/05	<b>Course name:</b> Dissertation examination
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 15	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> The condition for granting the dissertation examination is the completion of the study part in the prescribed composition of subjects and the acquisition of at least 90 credits in the external form, if the study in the four-year form and five-year in the external form. The committee decides on the result of the examination in a non-public meeting by a majority of the members present. In the event of equality of votes, the vote of the President shall prevail.	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 634	
N	P
0.16	99.84
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> CJP/ LFAJD/05	<b>Course name:</b> English Language for PhD Students of Faculty of Medicine
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> completion of e-course English for PhD Students (lms.upjs.sk), consultations (1-3), written assignments - Professional/Academic CV, Short Academic Biography, test, oral exam	
<b>Learning outcomes:</b> The development of students' language skills - reading, writing, listening, speaking; improvement of their linguistic competence - students gain knowledge of selected phonological, lexical and syntactic aspects; development of pragmatic competence - students acquire skills for effective and purposeful communication, with focus on Academic English and English for specific/professional purposes, level B2.	
<b>Brief outline of the course:</b> Specific aspects of spoken and written academic and professional language, with a focus on vocabulary development (formal phrases, noun and verb collocations, prepositional phrases, etc.). Selected aspects of grammar, including complex prepositions, verb tenses, and passive voice. Features of academic writing, such as text cohesion and coherence, hedging, and other essential skills. Selected functional grammar for academic contexts, focusing on expressing opinions, cause-and-effect relationships, arguments, and examples. Communication skills in academic settings.	
<b>Recommended literature:</b> Moore, J.: Oxford Academic Vocabulary Practice. OUP, 2017. Kolaříková, Z., Petruňová, H., Timková, R.: Angličtina v akademickom prostredí (cvičebnica). UPJŠ Košice, 2021. Tomaščíková, S., Rozenfeld, J. Developing Academic English in Speaking and Writing. Vydavateľstvo ŠafárikPress, 2021. McCarthy, M., O'Dell, F.: Academic Vocabulary in Use. CUP, 2008. Štěpánek, L., J. De Haff a kol.: Academic English-Akademická angličtina. Grada Publishing, a.s., 2011. Armer, T.: Cambridge English for Scientists. CUP, 2011. <a href="https://www.uefap.com/">https://www.uefap.com/</a>	
<b>Course language:</b> English language, level B2, C1 according to CEFR	

<b>Notes:</b>	
<b>Course assessment</b>	
Total number of assessed students: 448	
Ne	Pr
0.0	100.0
<b>Provides:</b> Mgr. Zuzana Kolaříková, PhD., Mgr. Ivana Kupková, PhD.	
<b>Date of last modification:</b> 05.12.2024	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/ISL/22	<b>Course name:</b> Individual study of scientific literature
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> The evaluation is carried out by the supervisor based on knowledge of the Ph.D. presented on seminars at the department/clinic. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 198	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/AZSPn/22	<b>Course name:</b> Internship abroad - more than 30 days
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Internship abroad - more than 30 days. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> Ph.D. student has to present specific results which bring benefits for preparation of dissertation thesis on seminar or an overview of the acquired methodological, professional knowledge.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 8	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/AZSPd/22	<b>Course name:</b> Internship abroad - of less than 30 days
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Internship abroad - of less than 30 days. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> Ph.D. student has to present specific results which bring benefits for preparation of dissertation thesis on seminar or an overview of the acquired methodological, professional knowledge.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 32	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/P/22	<b>Course name:</b> Lecture on research seminar at the department or clinic
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Lecture on research seminar at the department or clinic. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> The doctoral student presents the knowledge gained through individual studies of scientific and professional literature, which he/she can critically evaluate, analyse and subsequently use in his/her research.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 87	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> NLK/ NDO/22	<b>Course name:</b> Neurodegenerative Diseases
<b>Course type, scope and the method:</b> <b>Course type:</b> Seminar <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> oral exam	
<b>Learning outcomes:</b> Integration of the scientific basis of neurology and psychiatry, and the necessary clinical skills. Imaging methods and their application in neurodegenerative diseases. Mastery of specific neurological disorders and syndromes from the range of dementia and extrapyramidal syndromes, their interpretation and implementation in scientific and professional practice.	
<b>Brief outline of the course:</b> Scientific basis of neurology with regard to neurodegeneration Diagnosis and classification of dementia and extrapyramidal syndromes, investigative methods Neuroimaging techniques and their application in neurodegenerative research Molecular biology and genetics methodologies and their application in neurodegenerative diseases Neurotransmitters and signal transduction, substance P, neurogenesis in the adult brain, synaptic plasticity, neurotrophic factor, regulation of gene expression.	
<b>Recommended literature:</b> 1. Gdovinová Z. a kol. Vybrané kapitoly zo špeciálnej neurológie. ŠafárikPress, Košice, 2021, 726 s. ISBN 9788057400172 2. Burn D. a kol. Oxford handbook of Movement Disorders. Oxford University Press, Oxford, 2013, ISBN 9780199609536 3. Ames D. a kol. Dementia 5th ed. CRC Press, 2017, ISBN 9781498703109	
<b>Course language:</b> Slovak, English	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 6	
Ne	Pr
0.0	100.0

<b>Provides:</b> prof. MUDr. Matej Škorvánek, PhD., prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN, MUDr. Vladimír Haň, PhD.
<b>Date of last modification:</b> 18.05.2022
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> NLK/NEU/22	<b>Course name:</b> Neurology
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Seminar <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> oral exam	
<b>Learning outcomes:</b> Study of the basics of neurology, neurological diseases of the central and peripheral nervous system within the scope of the textbook Gdovinová Z. et al., 2021. Study of investigative laboratory, electrophysiological and neuroimaging methods used in neurology.	
<b>Brief outline of the course:</b> Basics of etiopathogenesis of neurological diseases, their clinical picture, diagnosis and treatment, with a closer focus on the issues solved by PhD student. Fundamentals of auxiliary examination methods in neurology (ultrasound, evoked potentials, EMG, EEG, polysomnography, radiodiagnostics - MRI, CT, AG).	
<b>Recommended literature:</b> 1. Gdovinová Z. a kol. Vybrané kapitoly zo špeciálnej neurológie, Equilibria, Košice 2021, 726 s. ISBN 978-80-574-0017-2 2. Růžička E. a kol. Neurologie, Triton 2019, Praha, 541 s, ISBN – 978-80-7553-681-5 3. Cibulčík F. Elektromyografia - Základná príručka elektro/myografických techník. EMG atlas. Osveta, 1998. 4. Školoudík D. a kol. Neurosonologie. Galén, 2003, 303 s, ISBN 80-7262-245-5. 5. Hovorka J. a kol. Klinická elektroencefalografie. Maxdorf Praha, 2003, 287 s, ISBN 80-7345-001-1	
<b>Course language:</b> Slovak, English	
<b>Notes:</b>	

<b>Course assessment</b>	
Total number of assessed students: 10	
Ne	Pr
0.0	100.0
<b>Provides:</b> prof. MUDr. Jarmila Szilasiová, PhD., prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	
<b>Date of last modification:</b> 18.05.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> NLK/NF/22	<b>Course name:</b> Neuropharmacology
<b>Course type, scope and the method:</b> <b>Course type:</b> Seminar <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> oral exam	
<b>Learning outcomes:</b> Integration of the scientific basis of neurology (biological, social and psychological aspects) and pharmacology. Mastery of the treatment of specific neurological diseases and syndromes. Implementation of the latest knowledge of neurology, neuropsychiatry, genetics into the field of neuropharmacology with their subsequent application in scientific and professional practice. Ability to formulate hypotheses, test them scientifically and assess the significance of their results with their subsequent publication. Mastery of the full breadth of the field of neurology and the bordering disciplines (neurology and pharmacology), appropriate clinical experience, ability to plan research in the context of the field.	
<b>Brief outline of the course:</b> Scientific foundations of neurology: biological, social and psychological aspects Neuropathology, diagnosis and classification, imaging and laboratory methods Imaging techniques and their application in neurological research Innovative methods in molecular biology and genetics, application of functional genomics in neuropharmacology Clinical neurology with a focus on the potential of neuropharmacology Development and evaluation of new drugs in neurology: Neurotransmitters, signal transduction, regulation of gene expression, ethical and legal aspects of neurological research, clinical trials issues	
<b>Recommended literature:</b> 1. Mirossay L, Mojžiš J. a kol. Základná farmakológia a farmakoterapia. EQUILIBRIA Košice, 2021, 1162 s, ISBN 9788081432736 2. Gdovinová a kol. Vybrané kapitoly zo špeciálnej neurológie. ŠafárikPress, Košice, 2021, 726 s. ISBN 9788057400172	
<b>Course language:</b> Slovak, English	
<b>Notes:</b>	

<b>Course assessment</b>	
Total number of assessed students: 4	
Ne	Pr
0.0	100.0
<b>Provides:</b> prof. MUDr. Matej Škorvánek, PhD., doc. MUDr. Eva Feketeová, PhD., prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN, prof. MUDr. Peter Mitro, DrSc.	
<b>Date of last modification:</b> 18.05.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> NLK/NFaNG/22	<b>Course name:</b> Neurophysiology and Neurogenetics
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Seminar <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> oral exam	
<b>Learning outcomes:</b> Acquire knowledge of neurophysiology, learn the basic concepts of neurophysiology of central and peripheral nervous system structures, understand the physiological interactions between individual nervous structures and systems, including receptor systems and neurotransmitters. Gain an understanding of the interactions between the nervous, endocrine and immune systems.	
<b>Brief outline of the course:</b> - Physiology of the central nervous system - brain and spinal cord - Physiology of the peripheral nervous system. - Motor regulation, sensory functions, autonomic nervous system	
<b>Recommended literature:</b> 1. Ambler Z. a kol. Klinická neurologie část obecná. TRITON Praha, 2004, 975 s, ISBN 80-7254-556-6 2. Brodal P. Centrálny nervový systém štruktúra a funkcia. Osveta, Martin. 2008, 517 s, ISBN 978-80-8063-256-4. 3. Gdovinová Z., Szilasiová J.: Textbook of general neurology. Košice : Aprilla Ltd. for Hanzlúvka Books, 2009. 189 s. ISBN 9788089346158 (brož.). 4. Brust J.C.M.: Neurology. Current Diagnosis and treatment. Lange Medical Books/McGraw-Hill, 2007. 601 pp. ISBN: 13: 978-0-07-110554-5	
<b>Course language:</b> Slovak, English	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 9	
Ne	Pr
0.0	100.0
<b>Provides:</b> prof. MUDr. Jarmila Szilasiová, PhD., prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

<b>Date of last modification:</b> 18.05.2022
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> NLK/ NP/22	<b>Course name:</b> Neuropsychiatry
<b>Course type, scope and the method:</b> <b>Course type:</b> Seminar <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> oral exam	
<b>Learning outcomes:</b> Integrácia vedeckej bázy neurológie a špecifických klinických zručností. Zvládnutie špecifických neurologických a psychiatrických ochorení a syndrómov, ich interpretácia a implementácia v zmysle najnovších poznatkov neuropsychiatrie, genetiky a neuropsychofarmakológie do vedeckej aj odbornej praxe.	
<b>Brief outline of the course:</b> Scientific basis of neurology with regard to neuropsychiatric diseases Neurological diagnostic possibilities, classification, specific diagnostic and other investigative methods Imaging techniques and their application in neuropsychiatric research Molecular biology and genetics methodologies and their application in neuropsychiatry Sleep disorders Mood disorders Development and evaluation of new neuropsychopharmaceuticals : ethical and legal aspects of neuropsychiatric research, issues in clinical trials	
<b>Recommended literature:</b> 1. Gdovinová Z. a kol. Vybrané kapitoly zo špeciálnej neurológie, Equilibria, Košice 2021, 726 s. ISBN 978-80-574-0017-2 2. Roth J a kolektív autorov: Neuropsychiatrie. Maxdorf, Praha 2020, 976 s. ISBN: 978-80-7345-619-1 3. Cummings J.L., Mega M.S.: Neuropsychiatry and Behavioral Neuroscience, OXFORD Univ. Press 2003 4. Tasman,A., Kay,J.,Lieberman,J.A.: Psychiatry I ,II, Second Edition, WILEY, ISBN 0-471.521779, Chichester England, 2003 5. Davis.K.L., Charney,D., Coyle,J.T., Nemeroff,Ch.: Neuropsychopharmacology: The Fifth Generation of Progress, Lippincott Williams&Wilkins, ISBN 0-7817-2837-1, Philadelphia USA, 2002	

<b>Course language:</b> Slovak, English	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 2	
Ne	Pr
0.0	100.0
<b>Provides:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN, doc. MUDr. Ivan Dóci, PhD.	
<b>Date of last modification:</b> 18.05.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/G-UPJS-ZR/22	<b>Course name:</b> Obtaining an internal grant UPJŠ (VVGS) or scientific project for young researchers by Faculty of Medicine - as a responsible solver
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Obtaining an internal grant UPJŠ (VVGS) or scientific project for young researchers by Faculty of Medicine - as a responsible solver. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> As a responsible researcher, the doctoral student is able to specify scientific research activities and problems in the medical fields and is able to design scientific projects, including the development of a written proposal. Respects and implements social and ethical aspects in the planning and implementation of scientific research activities.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 7	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/PDS/16	<b>Course name:</b> Preparation of the thesis for dissertation examination
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 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.	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 121	
abs	neabs
100.0	0.0

<b>Provides:</b>
<b>Date of last modification:</b> 23.03.2022
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/LPC/22	<b>Course name:</b> Prevention and treatment activities (per semester)
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Performing medical-preventive activities at the Faculty of Medicine (per semester). The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> Doctoral students involved in the treatment and prevention of patients in a hospital or outpatient clinic transfer and integrate knowledge from their own field of study / study program into work with patients.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 237	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> UPZMV/MVaS/22	<b>Course name:</b> Research Methodology and Statistics
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Seminar <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 1. Online test after each lecture 2. Problem learning after each block of lectures	
<b>Learning outcomes:</b> Introduction to basic methods of epidemiological and clinical studies and mastering their application in biomedical research. Gaining theoretical knowledge in biomedical statistics and improving their practical use.	
<b>Brief outline of the course:</b> First block of lectures / problem learning PU1: research protocol 1. Guide to the course 2. Research process 3. Measurement of impact 4. Study design 5. Validity of the study 6. Questionnaire methods Second block of lectures / problem learning PU2: working with statistical software 7. Random variable 8. Hypothesis, testing 9. Introduction to work with statistical software 10. Univariate statistical methods I 11. Univariate statistical methods II Third block of lectures / problem learning PU3: statistical data analysis 12. Linear regression 13. Logistic regression 14. Mutual influences of variables, interaction 16. Randomized controlled trials - implementation 17. Randomized controlled trials - analyzes 18. Sensitivity and specificity	
<b>Recommended literature:</b>	

Achengrau A., Seage G.R.: Essentials of epidemiology in public health. Jones and Bartlet Publishers. 2008  
 Thompson, B. (2006). Foundations of behavioral statistics. New York, NY: Guilford Press.  
 Kerlinger F.N.: Základy výzkumu chování Academia 1972  
 Claus , Ebner: Základy štatistiky pre psychologov, pedagogov a sociológov. Bratislava : SPN, 1988.

**Course language:**

slovak, english

**Notes:**

combined form of education

**Course assessment**

Total number of assessed students: 183

Ne	Pr
13.11	86.89

**Provides:** doc. Mgr. Zuzana Dankulincová, PhD., Mgr. Peter Kolarčík, PhD., prof. Mgr. Andrea Madarasová Gecková, PhD., MUDr. Jaroslav Rosenberger, PhD., doc. RNDr. Daniel Klein, PhD., Mgr. Aurel Zelko, PhD.

**Date of last modification:** 13.05.2022

**Approved:** prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/O-S-ZC/22	<b>Course name:</b> Responses to the scientific work in which the doctoral student is as a co-author - registered in a foreign scientific journal
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Responses to the scientific work in which the doctoral student is as a co-author - registered in a national scientific journal. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> Gaining feedback in foreign journals demonstrates a broad and well-founded scientific knowledge at the international level in the field of research.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 3	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/O-S-DC/22	<b>Course name:</b> Responses to the scientific work in which the doctoral student is as a co-author - registered in a national scientific journal
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Responses to the scientific work in which the doctoral student is as a co-author - registered in a national scientific journal. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> Gaining feedback in domestic journals demonstrates well-founded and accepted scientific knowledge at the national level in the field of research.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 0	
abs	neabs
0.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/O-S-SCI/ Scopus/22	<b>Course name:</b> Responses to the scientific work in which the doctoral student is as a co-author - registered in databases SCI or Scopus
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Responses to the scientific work in which the doctoral student is as a co-author - registered in databases SCI or Scopus. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> Gaining SCI/Scopus feedback demonstrates broad and well-founded scientific knowledge in the field. At the same time, citation in an indexed source demonstrates the competence to communicate new knowledge at the highest expert level and points to the international importance of the cited research.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 26	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/O-1.-ZC/22	<b>Course name:</b> Responses to the scientific work in which the doctoral student is as the 1st author - registered in a foreign scientific journal
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Responses to the scientific work in which the doctoral student is as the 1st author - registered in a foreign scientific journal. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> Gaining feedback in foreign journals demonstrates a broad and well-founded scientific knowledge at the international level in the field of research.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 6	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/O-1.-DC/22	<b>Course name:</b> Responses to the scientific work in which the doctoral student is as the 1st author - registered in a national scientific journal
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Responses to the scientific work in which the doctoral student is as the 1st author - registered in a national scientific journal. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> Gaining feedback in domestic journals demonstrates well-founded and accepted scientific knowledge at the national level in the field of research.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 4	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/O-1.-SCI/ Scopus/22	<b>Course name:</b> Responses to the scientific work in which the doctoral student is as the 1st author - registered in databases SCI or Scopus
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 20	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Responses to the scientific work in which the doctoral student is as the 1st author - registered in databases SCI or Scopus. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> Gaining SCI/Scopus feedback demonstrates broad and well-founded scientific knowledge in the field. At the same time, citation in an indexed source demonstrates the competence to communicate new knowledge at the highest expert level and points to the international importance of the cited research.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 18	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/OP-ZP/22	<b>Course name:</b> Review of bachelor thesis
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Review of bachelor thesis. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By elaborating the report, the doctoral student demonstrates the ability to use scientific knowledge and experience from scientific research activities in the relevant field of study/study program. It declares the competence that professional problem and its proposal solutions to critically assess, evaluate, or propose other solutions.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 19	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 24.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> UPZMV/ VKMVP/22	<b>Course name:</b> Scientific communication and research projects management
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Seminar <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> It is awarded on the basis of taking into account recorded lectures and solving assigned tasks in problem-based learning.	
<b>Learning outcomes:</b> Get acquainted with the principles of scientific communication and develop the skills of scientific work.	
<b>Brief outline of the course:</b> <ul style="list-style-type: none"> <li>- Research projects, their preparation and management.</li> <li>- Logistics of field data collection.</li> <li>- Legal aspects of medical research.</li> <li>- Ethical aspects of research studies. Ethics Committee Financial and administrative management research projects.</li> <li>- Literature search, work with literary databases, literary review.</li> <li>- Structure of scientific work. Publishing process, communication with scientific journals.</li> <li>- Presentation of scientific results (poster, lecture, press release).</li> <li>- Review of scientific work.</li> </ul>	
<b>Recommended literature:</b> <ol style="list-style-type: none"> <li>1. International Committee of Medical Journal Editors: Uniform Requirements for Manuscripts Submitted to Biomedical Journals: Writing and Editing for Biomedical Publication. April 2010, <a href="http://www.icmje.org">www.icmje.org</a></li> <li>2. Jacinto T, et al. How to write a scientific paper - Searching and Managing Biomedical information. Rev Port Pneumol. 2011. doi:10.1016/j.rppneu.2011.05.005</li> <li>3. Bahna SL, McLarty JW. Data presentation. Ann Allergy Asthma Immunol. 2009 Oct;103(4 Suppl 1):S15-21</li> <li>4. Azevedo LF et al: How write a scientific paper - Writing the methods section. Revista portuguesa de pneumologia 08/2011; DOI: 10.1016/j.rppneu.2011.06.014</li> </ol>	
<b>Course language:</b> Slovak, English	

<b>Notes:</b> hybrid form	
<b>Course assessment</b> Total number of assessed students: 35	
Ne	Pr
0.0	100.0
<b>Provides:</b> doc. Mgr. Zuzana Dankulincová, PhD., prof. Mgr. Andrea Madarasová Gecková, PhD., Ing. Lucia Bosáková, PhD., univerzitný docent, PhDr. Ivana Mészáros Skoumalová, PhD., Mgr. Daniela Filákovská, PhD., Mgr. Daniela Husárová, PhD., Mgr. Peter Kolarčík, PhD., Mgr. Jaroslava Kopčáková, PhD.	
<b>Date of last modification:</b> 16.05.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-MONO- IV/22	<b>Course name:</b> Scientific work as a monograph, published in another publisher
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 20	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Scientific work as a monograph, published in another publisher. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a monograph, the doctoral student demonstrates a high degree of ability to identify, evaluate, correctly apply scientific knowledge and research methods. The doctoral student demonstrates the competence to use existing theories and concepts in an innovative way, as well as to generate new original scientific knowledge, which he publishes in the monograph (usually in a foreign language) in accordance with the set quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 9	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-MONO/22	<b>Course name:</b> Scientific work as a monograph, published in • publishers Elsevier, Springer, WileyBlackwell or Taylor & Francis
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 40	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Scientific work as a monograph, published in publishers Elsevier, Springer, WileyBlackwell or Taylor & Francis. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a monograph, the doctoral student demonstrates a high degree of ability to identify, evaluate, correctly apply scientific knowledge and research methods. The doctoral student demonstrates the competence to use existing theories and concepts in an innovative way, as well as to generate new original scientific knowledge, which he publishes in the monograph (usually in a foreign language) in accordance with the set quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 2	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-ZC-S/22	<b>Course name:</b> Scientific work published in a foreign journal as a co-author
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Scientific work published in a foreign journal as a co-author. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific paper in a foreign journal, the doctoral student demonstrates a high degree of ability to identify, evaluate, and correctly apply scientific knowledge and research methods. Demonstrates competence in innovative ways to use existing theories and concepts, as well as the ability to generate new original scientific knowledge, which he publishes in foreign peer-reviewed (usually in a foreign language) by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 36	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-ZC-1./22	<b>Course name:</b> Scientific work published in a foreign journal as the 1st author
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 15	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Scientific work published in a foreign journal as the 1st author. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific paper in a foreign journal, the doctoral student demonstrates a high degree of ability to identify, evaluate, and correctly apply scientific knowledge and research methods. Demonstrates competence in innovative ways to use existing theories and concepts, as well as the ability to generate new original scientific knowledge, which he publishes in foreign peer-reviewed (usually in a foreign language) by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 10	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-NC-S/22	<b>Course name:</b> Scientific work published in an unreviewed foreign or national proceeding as a co-author
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Scientific work published in an unreviewed foreign or national proceedingm PhD. student - a co-author. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific paper in a non-peer-reviewed foreign or domestic proceedings, the doctoral student demonstrates the ability to identify, evaluate and apply scientific knowledge. Demonstrates competence to use existing theories and concepts, as well as the ability to generate new knowledge, which he publishes in domestic or foreign non-peer-reviewed proceedings by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 19	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-NC-1./22	<b>Course name:</b> Scientific work published in an unreviewed foreign or national proceeding as the 1st author
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 6	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Scientific work published in an unreviewed foreign or national proceedingm PhD. student - the 1st author. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific paper in a non-peer-reviewed foreign or domestic proceedings, the doctoral student demonstrates the ability to identify, evaluate and apply scientific knowledge. Demonstrates competence to use existing theories and concepts, as well as the ability to generate new knowledge, which he publishes in domestic or foreign non-peer-reviewed proceedings by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 13	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-DC-S/22	<b>Course name:</b> Scientific work published in in a national magazine, respective in in a peer-reviewed foreign or national proceeding as a co-author
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Scientific work published in in a national magazine, respective in in a peer-reviewed foreign or national proceeding as a co-author. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific paper in a domestic journal or in a peer-reviewed foreign or domestic proceedings, the doctoral student demonstrates the ability to identify, evaluate, and correctly apply scientific knowledge and research methods. Demonstrates competence to use existing theories and concepts, as well as the ability to generate scientific knowledge, which he publishes in domestic peer-reviewed journals or domestic or foreign peer-reviewed proceedings (usually in a foreign language) by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 86	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-DC-1./22	<b>Course name:</b> Scientific work published in in a national magazine, respective in in a peer-reviewed foreign or national proceeding as the 1st author
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Scientific work published in in a national magazine, respective in in a peer-reviewed foreign or national proceeding as the 1st author. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific paper in a domestic journal or in a peer-reviewed foreign or domestic proceedings, the doctoral student demonstrates the ability to identify, evaluate, and correctly apply scientific knowledge and research methods. Demonstrates competence to use existing theories and concepts, as well as the ability to generate scientific knowledge, which he publishes in domestic peer-reviewed journals or domestic or foreign peer-reviewed proceedings (usually in a foreign language) by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 80	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-S-Q1/22	<b>Course name:</b> Scientific work published in the journal registered in the WoS/Scopus databases - as a co-author in the journal which is included in category Q1
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 30	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> PhD. student - co-author in the journal which is included in category Q1 (according SJR or JCR). The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific work in journals registered in reputable databases (WoS, Scopus), the doctoral student demonstrates a high degree of ability to identify, evaluate, correct apply the scientific knowledge and use research methodology. Ph.D. student demonstrates competence to use existing theories and concepts in an innovative way, as well as the ability to generate new original scientific knowledge, which he/she publishes in renowned journals (usually in a foreign language) by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 23	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-S-Q2/22	<b>Course name:</b> Scientific work published in the journal registered in the WoS/Scopus databases - as a co-author in the journal which is included in category Q2
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 20	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> PhD. student - co-author in the journal which is included in category Q2 (according SJR or JCR). The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific work in journals registered in reputable databases (WoS, Scopus), the doctoral student demonstrates a high degree of ability to identify, evaluate, correct apply the scientific knowledge and use research methodology. Ph.D. student demonstrates competence to use existing theories and concepts in an innovative way, as well as the ability to generate new original scientific knowledge, which he/she publishes in renowned journals (usually in a foreign language) by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 20	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-S-Q3/22	<b>Course name:</b> Scientific work published in the journal registered in the WoS/Scopus databases - as a co-author in the journal which is included in category Q3
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 15	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> PhD. student - co-author in the journal which is included in category Q3 (according SJR or JCR). The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific work in journals registered in reputable databases (WoS, Scopus), the doctoral student demonstrates a high degree of ability to identify, evaluate, correct apply the scientific knowledge and use research methodology. Ph.D. student demonstrates competence to use existing theories and concepts in an innovative way, as well as the ability to generate new original scientific knowledge, which he/she publishes in renowned journals (usually in a foreign language) by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 28	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-S-Q4/22	<b>Course name:</b> Scientific work published in the journal registered in the WoS/Scopus databases - as a co-author in the journal which is included in category Q4
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> PhD. student - co-author in the journal which is included in category Q4 (according SJR or JCR). The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific work in journals registered in reputable databases (WoS, Scopus), the doctoral student demonstrates a high degree of ability to identify, evaluate, correct apply the scientific knowledge and use research methodology. Ph.D. student demonstrates competence to use existing theories and concepts in an innovative way, as well as the ability to generate new original scientific knowledge, which he/she publishes in renowned journals (usually in a foreign language) by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 16	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-1.-Q1/22	<b>Course name:</b> Scientific work published in the journal registered in the WoS/Scopusus databases - as the 1st author in the journal which is included in category Q1
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 40	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> PhD. student - 1st author in the journal which is included in category Q1 (according SJR or JCR). The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific work in journals registered in reputable databases (WoS, Scopus), the doctoral student demonstrates a high degree of ability to identify, evaluate, correct apply the scientific knowledge and use research methodology. Ph.D. student demonstrates competence to use existing theories and concepts in an innovative way, as well as the ability to generate new original scientific knowledge, which he/she publishes in renowned journals (usually in a foreign language) by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 21	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-1.-Q2/22	<b>Course name:</b> Scientific work published in the journal registered in the WoS/Scopusus databases - as the 1st author in the journal which is included in category Q2
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 30	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> PhD. student - 1st author in the journal which is included in category Q2 (according SJR or JCR). The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific work in journals registered in reputable databases (WoS, Scopus), the doctoral student demonstrates a high degree of ability to identify, evaluate, correct apply the scientific knowledge and use research methodology. Ph.D. student demonstrates competence to use existing theories and concepts in an innovative way, as well as the ability to generate new original scientific knowledge, which he/she publishes in renowned journals (usually in a foreign language) by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 7	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-1.-Q3/22	<b>Course name:</b> Scientific work published in the journal registered in the WoS/Scopusus databases - as the 1st author in the journal which is included in category Q3
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 25	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> PhD. student - 1st author in the journal which is included in category Q3 (according SJR or JCR). The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific work in journals registered in reputable databases (WoS, Scopus), the doctoral student demonstrates a high degree of ability to identify, evaluate, correct apply the scientific knowledge and use research methodology. Ph.D. student demonstrates competence to use existing theories and concepts in an innovative way, as well as the ability to generate new original scientific knowledge, which he/she publishes in renowned journals (usually in a foreign language) by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 5	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/VP-1.-Q4/22	<b>Course name:</b> Scientific work published in the journal registered in the WoS/Scopusus databases - as the 1st author in the journal which is included in category Q4
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> PhD. student - 1st author in the journal which is included in category Q4 (according SJR or JCR). The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By publishing a scientific work in journals registered in reputable databases (WoS, Scopus), the doctoral student demonstrates a high degree of ability to identify, evaluate, correct apply the scientific knowledge and use research methodology. Ph.D. student demonstrates competence to use existing theories and concepts in an innovative way, as well as the ability to generate new original scientific knowledge, which he/she publishes in renowned journals (usually in a foreign language) by adhering to established quality and ethical standards.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 3	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> NLK/ SM/22	<b>Course name:</b> Sleep Medicine
<b>Course type, scope and the method:</b> <b>Course type:</b> Seminar <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> oral exam	
<b>Learning outcomes:</b> Integration of the scientific basis of neurology and somnology with special focus on excessive daytime sleepiness and specific sleep disorders in neurodegenerative diseases with the application of neurophysiological techniques for long-term monitoring of vital functions, genetic and laboratory investigation. Management of sleep disorders and their interpretation in terms of the latest diagnostic and classification systems. Implementation of the latest findings of neuropsychiatry, genetics and neuropharmacology into scientific and professional practice.	
<b>Brief outline of the course:</b> Scientific foundations of somnology: neurophysiology, neuropathology Diagnosis and classification of sleep disorders Neurophysiological investigation methods - polysomnography and other alternatives for long-term monitoring of vital functions Neuroimaging techniques and their application in sleep disorders research Molecular biology and genetics methodologies and their application in somnology Clinical somnology: Insomnia, Sleep-disordered breathing, Hypersomnia of central origin, Circadian rhythmicity disorders, Parasomnias, Sleep motor disorders Chronobiology and Sleep Disorders. Neuropharmacology of sleep disorders	
<b>Recommended literature:</b> 1. Nevšimalová S, Šonka K, et al. Poruchy spánku a bdění, 3rd ed. Galén, 2020, ISBN978-80-7942-478-1 p. 318 2. American Academy of Sleep Medicine. International Classification of Sleep disorders: Diagnostic and coding manual. 3rd. Darien, IL: American Academy of Sleep Medicine, 2014. 297p. ISBN: 0991543416 3. Kryger MH, Roth T, Dement WC: Principles and Practice of Sleep Medicine, Fifth E-dition. Saunders, Elsevier Inc. ISBN 978-1416003205	
<b>Course language:</b>	

<b>Notes:</b>	
<b>Course assessment</b>	
Total number of assessed students: 5	
Ne	Pr
0.0	100.0
<b>Provides:</b> prof. MUDr. Matej Škorvánek, PhD., doc. MUDr. Marianna Vitková, PhD., doc. MUDr. Eva Feketeová, PhD., prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	
<b>Date of last modification:</b> 18.05.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/ODP/16	<b>Course name:</b> Submission of dissertation thesis for defense
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 10	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 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.	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 93	
abs	neabs
100.0	0.0
<b>Provides:</b>	

<b>Date of last modification:</b> 23.03.2022
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/V/K-ZP/22	<b>Course name:</b> Supervision of bachelor thesis
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 8	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Supervision of bachelor thesis. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> By supervising the bachelor thesis, the doctoral student demonstrates the ability to use scientific knowledge and methods (e.g. laboratory, statistic) acquired by studying in the relevant field of study/study program. Can critically assess a professional problem and proposed solutions, evaluate it, or suggest other solutions. At the same time, it demonstrates the ability to transfer the acquired knowledge and skills.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 34	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 24.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/PC/22	<b>Course name:</b> The direct pedagogical activity
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> The pedagogical activity of a doctoral student or other related professional activity in the range of up to four hours per week on average per academic year. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> Through pedagogical activities, the doctoral student demonstrates the ability to transfer and integrate knowledge from their own field of study/study program into education. Is able to design and implement part of the educational process (e.g. practical exercises, including the evaluation of partial results) in accordance with current trends in higher education. He is able to select and apply the right techniques and strategies of study group management in accordance with the requirements for the level of communication and digital competencies.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 221	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Medicine	
<b>Course ID:</b> Dek. LF UPJŠ/OVK/22	<b>Course name:</b> Work in the conference organizing committee
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> III.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Work in the conference organizing committee. The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).	
<b>Learning outcomes:</b> The doctoral student working in the organizing committee of the conference demonstrates the ability of teamwork in the preparation of a scientific or professional event. It declares the competence to manage the implementation of the event in terms of time and content, to communicate effectively in words and writing as needed in a foreign language at a professional level with different types of people. He/she can use various technical means, recommend and propose solutions and, if necessary, make independent decisions.	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b> english, slovak	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 22	
abs	neabs
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 23.03.2022	
<b>Approved:</b> prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	