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## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> Dek.<br>LF UPJŠ/APV-DK<br>+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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Active presentation of results at a national conference with international participation.<br>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><br>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><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>Total number of assessed students: 39  |  |
| abs  | neabs  |
| 100.0  | 0.0  |
| <b>Provides:</b>   |  |
| <b>Date of last modification:</b> 23.03.2022   |  |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.  |  |

## COURSE INFORMATION LETTER

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|--|--|
| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Active presentation of results at an international conference abroad.<br>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><br>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><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>Total number of assessed students: 33  |  |
| abs  | neabs  |
| 100.0  | 0.0  |
| <b>Provides:</b>   |  |
| <b>Date of last modification:</b> 23.03.2022   |  |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.  |  |

## COURSE INFORMATION LETTER

|  |   |
|--|---|
| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/APV-DK/22  | <b>Course name:</b> Active presentation of results at the national conference |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Active presentation of results at the national conference.<br>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><br>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><br>english, slovak   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>Total number of assessed students: 34  |   |
| abs  | neabs   |
| 100.0  | 0.0   |
| <b>Provides:</b>   |   |
| <b>Date of last modification:</b> 23.03.2022   |   |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.  |   |

## COURSE INFORMATION LETTER

|  |   |
|--|---|
| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> 1. KK/<br>KaA/22   | <b>Course name:</b> Cardiovascular Medicine |
| <b>Course type, scope and the method:</b><br><b>Course type:</b> Seminar<br><b>Recommended course-load (hours):</b><br><b>Per week:</b> 2 <b>Per study period:</b> 28<br><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><br>During the semester, the student will prepare two presentations on current research issues in cardiology and angiology and present them at scientific seminars of the research group or at educational seminars of the clinic.   |   |
| <b>Learning outcomes:</b><br>Learning basic cardiological and angiological examination methods, diagnosis and therapy of the most important cardiovascular diseases.   |   |
| <b>Brief outline of the course:</b> <ul style="list-style-type: none"> <li>- Practical study of non-invasive cardiological investigation methods (ECG, Holter ECG monitoring, ergometry, echocardiography, Doppler angiological examinations, head-up tilt test, TESP).</li> <li>- Theoretical basics of invasive cardiology diagnostics (coronary angiography, electrophysiological testing, implantable coronary recorders).</li> <li>- Fundamentals of diagnosis and pharmacotherapy of cardiovascular diseases (IHD, hypertension, heart failure, arrhythmias, coronary artery disease, coronary artery disease, coronary artery disease, venous artery disease).</li> <li>- Theoretical basis of interventional procedures in cardiology and angiology (percutaneous coronary interventions, peripheral vascular angioplasty, ablative arrhythmology procedures, pacing techniques).</li> </ul> |   |
| <b>Recommended literature:</b><br>1. Vojáček, Kettner . Klinická kardiologie, Nucleus, 2012 2. Aschermann a kol. Kardiologie. Galen 2004 3. Špaček, Widimský: Infarkt myokardu, Galén 2003 4. Mitro, Valočík. Vyšetrovacie metódy v kardiológii, Equilibria 2009 5. ESC Guidelines <a href="http://www.escardio.org/GUIDELINES-SURVEYS/ESC-GUIDELINES/Pages/GuidelinesList.aspx">http://www.escardio.org/GUIDELINES-SURVEYS/ESC-GUIDELINES/Pages/GuidelinesList.aspx</a>   |   |
| <b>Course language:</b><br>Slovak, English   |   |
| <b>Notes:</b>  |   |

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|--|-------|
| <b>Course assessment</b>   |       |
| Total number of assessed students: 7   |       |
| Ne   | Pr    |
| 0.0  | 100.0 |
| <b>Provides:</b> prof. MUDr. Gabriel Valočik, PhD., prof. MUDr. Daniel Pella, PhD. |       |
| <b>Date of last modification:</b> 10.10.2022                                       |       |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.                                  |       |

## COURSE INFORMATION LETTER

|  |  |
|--|--|
| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> 1. IK/<br>KVVCH/22   | <b>Course name:</b> Clinical Physiology of Internal Diseases |
| <b>Course type, scope and the method:</b><br><b>Course type:</b> Seminar<br><b>Recommended course-load (hours):</b><br><b>Per week:</b> 2 <b>Per study period:</b> 28<br><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><br>interview, exam  |  |
| <b>Learning outcomes:</b><br>Acquire knowledge in the clinical physiology of the basic organ systems of internal medicine. Understand the physiological interactions between the different systems. To master the methodology of clinical physiological studies and acquire skills in their implementation.  |  |
| <b>Brief outline of the course:</b><br>- Physiology of the cardiovascular system. The role of the autonomic nervous system in the regulation of cardiovascular function.<br>- Regulation of respiration and physiology of the respiratory system.<br>- Cardiorespiratory relationships.<br>- Physiology of the endocrine glands. Interactions between endocrine disorders with disorders of other organ systems. |  |
| <b>Recommended literature:</b><br>1. Ďuriš I, Hulín I, Bernadič M. Princípy internej medicíny. SAP 2001 2. Berne RM. Physiology, 5th Edition. Elsevier 2003 3. Boron W, Boulpaep E. Medical physiology. Elsevier 2002  |  |
| <b>Course language:</b><br>Slovak, English   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>Total number of assessed students: 17  |  |
| Ne   | Pr   |
| 0.0  | 100.0  |
| <b>Provides:</b> prof. MUDr. Ivica Lazúrová, DrSc., prof. MUDr. Želmíra Macejová, PhD., MPH, prof. MUDr. Daniel Pella, PhD.  |  |
| <b>Date of last modification:</b> 10.10.2022   |  |



**Approved:** prof. MUDr. Peter Jarčuška, PhD.

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> 2. IK/<br>KaTM/22  | <b>Course name:</b> Clinical and Translational Medicine |
| <b>Course type, scope and the method:</b><br><b>Course type:</b> Seminar<br><b>Recommended course-load (hours):</b><br><b>Per week:</b> 2 <b>Per study period:</b> 28<br><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><br>onterview<br>exam  |   |
| <b>Learning outcomes:</b><br>Gain adequate knowledge of basic clinical research, laboratory medicine and clinical medicine. To learn how to use the results of basic clinical research and laboratory medicine on the one hand and clinical medicine on the other hand. Understand the link between clinical research and clinical medicine. |   |
| <b>Brief outline of the course:</b><br>1) Basal clinical research<br>2) Interpretation of clinical research and laboratory results<br>3) Linkages between scientific research and clinical practice<br>4) Implementation of scientific research results in clinical practice   |   |
| <b>Recommended literature:</b><br>Shazhad A. Translational Medicine. Tools and Techniques. Elsevier, 2015, 196 s.<br>Wehling M. Principles of Translational Science in Medicine. 3rd Edition. Elsevier, 2021, 494s.  |   |
| <b>Course language:</b><br>Slovak, English   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>Total number of assessed students: 14  |   |
| Ne   | Pr  |
| 0.0  | 100.0   |
| <b>Provides:</b> prof. MUDr. Peter Jarčuška, PhD., prof. MUDr. Ivan Tkáč, PhD.   |   |
| <b>Date of last modification:</b> 10.10.2022   |   |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.  |   |

## COURSE INFORMATION LETTER

|   |  |
|---|--|
| <b>University:</b> P. J. Šafárik University in Košice   |  |
| <b>Faculty:</b> Faculty of Medicine   |  |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Co-solver of a national project (VEGA, KEGA, APVV ...).<br>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><br>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><br>english, slovak  |  |
| <b>Notes:</b>   |  |
| <b>Course assessment</b><br>Total number of assessed students: 53   |  |
| abs   | neabs  |
| 100.0   | 0.0  |
| <b>Provides:</b>  |  |
| <b>Date of last modification:</b> 23.03.2022  |  |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.   |  |

## COURSE INFORMATION LETTER

|   |   |
|---|---|
| <b>University:</b> P. J. Šafárik University in Košice   |   |
| <b>Faculty:</b> Faculty of Medicine   |   |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/G-MP/22   | <b>Course name:</b> Co-solver of an international project |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Co-solver of an international project.<br>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><br>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><br>english, slovak  |   |
| <b>Notes:</b>   |   |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.   |   |

## COURSE INFORMATION LETTER

|   |  |
|---|--|
| <b>University:</b> P. J. Šafárik University in Košice   |  |
| <b>Faculty:</b> Faculty of Medicine   |  |
| <b>Course ID:</b> Dek.<br>LF UPJŠ/G-UPJS-<br>SR/22  | <b>Course name:</b> Co-solver of internal grant (VVGS) |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Co-solver of internal grant (VVGS).<br>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><br>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><br>english, slovak  |  |
| <b>Notes:</b>   |  |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.   |  |

## COURSE INFORMATION LETTER

|  |  |
|--|--|
| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/V-SVOC/22  | <b>Course name:</b> Consultation of ŠVOČ |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>The doctoral student states the activity in the doctoral annual report and these activities are relevantly documented (e.g. publication, program).<br>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><br>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><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |  |

## COURSE INFORMATION LETTER

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|---|-----|--|-----|-------|------|
| <b>University:</b> P. J. Šafárik University in Košice   |     |  |     |       |      |
| <b>Faculty:</b> Faculty of Medicine   |     |  |     |       |      |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/ODZ/05  |     | <b>Course name:</b> Defence of Doctoral Thesis |     |       |      |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>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><br>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><br>english, slovak  |     |  |     |       |      |
| <b>Notes:</b>   |     |  |     |       |      |
| <b>Course assessment</b><br>Total number of assessed students: 363  |     |  |     |       |      |
| N   | NNe | NU   | NeO | O     | P    |
| 0.0   | 0.0 | 1.65   | 0.0 | 93.39 | 4.96 |

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| <b>Provides:</b>                                  |
| <b>Date of last modification:</b> 23.03.2022      |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD. |



## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice   |  |
| <b>Faculty:</b> Faculty of Medicine   |  |
| <b>Course ID:</b> 4. IK/<br>DaM/22  | <b>Course name:</b> Diabetology and Metabolism |
| <b>Course type, scope and the method:</b><br><b>Course type:</b> Seminar<br><b>Recommended course-load (hours):</b><br><b>Per week:</b> 2 <b>Per study period:</b> 28<br><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><br>interview<br>exam   |  |
| <b>Learning outcomes:</b><br>Acquire theoretical and clinical knowledge and skills in diabetes, metabolic disorders lipid, other metabolic disorders, with a particular focus on the risk of developing complications of diabetes and atherosclerosis.  |  |
| <b>Brief outline of the course:</b> <ul style="list-style-type: none"> <li>- Type 1 diabetes mellitus</li> <li>- Metabolic syndrome</li> <li>- Type 2 diabetes mellitus</li> <li>- Microvascular complications of diabetes</li> <li>- Diabetes and atherosclerosis</li> <li>- Dyslipidaemia</li> <li>- Other metabolic disorders</li> </ul>   |  |
| <b>Recommended literature:</b> <ol style="list-style-type: none"> <li>1. Pelikánová T a kol. Praktická diabetologie. 6. vydání. Maxdorf 2018.</li> <li>2. De Fronzo RA, Ferranini E, Zimmet P, Alberti G. International textbook of diabetes mellitus. 4th Edition. Wiley 2015</li> <li>3. Češka R a kol. Interna. 3. vydání. Triton 2020</li> <li>4. Vora J, Buse J. Evidence based management of diabetes. tfm Publishing Limited 2012</li> </ol> |  |
| <b>Course language:</b><br>Slovak and English   |  |
| <b>Notes:</b><br>Compulsory elective course. The course is chosen by students whose research problem is related to related to diabetes, dyslipidemia and other metabolic disorders.   |  |

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| <b>Course assessment</b>   |       |
| Total number of assessed students: 6   |       |
| Ne   | Pr    |
| 0.0  | 100.0 |
| <b>Provides:</b> MUDr. Martin Javorský, PhD., doc. MUDr. Miriam Kozárová, PhD., MPH, prof. MUDr. Ivan Tkáč, PhD., doc. MUDr. Ingrid Dravecká, PhD. |       |
| <b>Date of last modification:</b> 10.10.2022   |       |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.  |       |

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice   |  |
| <b>Faculty:</b> Faculty of Medicine   |  |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/DZS/05  | <b>Course name:</b> Dissertation examination |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>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.<br>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><br>english, slovak  |  |
| <b>Notes:</b>   |  |
| <b>Course assessment</b><br>Total number of assessed students: 588  |  |
| N   | P  |
| 0.17  | 99.83  |
| <b>Provides:</b>  |  |
| <b>Date of last modification:</b> 23.03.2022  |  |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.   |  |

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |                                   |
| <b>Faculty:</b> Faculty of Medicine  |                                   |
| <b>Course ID:</b> 1. IK/<br>ENDO/22  | <b>Course name:</b> Endocrinology |
| <b>Course type, scope and the method:</b><br><b>Course type:</b> Seminar<br><b>Recommended course-load (hours):</b><br><b>Per week:</b> 2 <b>Per study period:</b> 28<br><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><br>During the semester, the student will prepare two presentations on current research issues in endocrinology and present them at scientific seminars of the research group or at educational seminars of the clinic.  |                                   |
| <b>Learning outcomes:</b><br>Mastery of various endocrinological investigative methods, especially different types of stimulation and suppressive hormone tests. Diagnosis and treatment of the most common endocrine diseases.  |                                   |
| <b>Brief outline of the course:</b><br>- Methods of investigation and treatment of diseases of the hypothalamo-pituitary system.<br>- Methods of investigation, diagnosis and treatment of thyroid diseases.<br>- Methods of investigation, diagnosis and treatment of diseases of the parathyroid glands.<br>- Osteoporosis<br>- Methods of investigation, diagnosis and treatment of adrenal and gonadal diseases. |                                   |
| <b>Recommended literature:</b><br>1. Kreze A, et al: Všeobecná a klinická andokrinológia. AEP, Bratislava, 2004<br>2. Melmed S et al, Wiliams Textbook of Endocrinology, Saunders, 2011  |                                   |
| <b>Course language:</b><br>Slovak, English   |                                   |
| <b>Notes:</b>  |                                   |
| <b>Course assessment</b><br>Total number of assessed students: 1   |                                   |
| Ne   | Pr                                |
| 0.0  | 100.0                             |
| <b>Provides:</b> prof. MUDr. Ivica Lazúrová, DrSc.   |                                   |
| <b>Date of last modification:</b> 10.10.2022   |                                   |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.  |                                   |

## COURSE INFORMATION LETTER

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| <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><br><b>Course type:</b> Practice<br><b>Recommended course-load (hours):</b><br><b>Per week:</b> 2 <b>Per study period:</b> 28<br><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><br>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><br>The development of students' language skills - reading, writing, listening, speaking; improvement of their linguistic competence - students acquire knowledge of selected phonological, lexical and syntactic aspects; development of pragmatic competence - students 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><br>Specific aspects of academic and professional English with focus on vocabulary development (formality, academic word-list), English grammar (passive voice, nominalisation), language functions (expressing opinion, cause/effect, presenting arguments, giving examples, describing graphs/charts/schemes, writing Academic CV and short BIO, etc.). Cross-language interference. Academic communication (self-presentation, presenting at scientific meetings and conferences).  |  |
| <b>Recommended literature:</b><br>Moore, J.: Oxford Academic Vocabulary Practice. OUP, 2017.<br>Kolaříková, Z., Petruňová, H., Tímková, R.: Angličtina v akademickom prostredí (cvičebnica). UPJŠ Košice, 2021.<br>Tomaščíková, S., Rozenfeld, J. Developing Academic English in Speaking and Writing. Vydavateľstvo ŠafárikPress, 2021.<br>McCarthy, M., O'Dell, F.: Academic Vocabulary in Use. CUP, 2008.<br>Štěpánek, L., J. De Haaf a kol.: Academic English-Akademická angličtina. Grada Publishing, a.s., 2011.<br>Armer, T.: Cambridge English for Scientists. CUP, 2011. |  |
| <b>Course language:</b><br>English language, level B2, C1 according to CEFR   |  |
| <b>Notes:</b>   |  |

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| <b>Course assessment</b>                          |       |
| Total number of assessed students: 389            |       |
| Ne  | Pr    |
| 0.0   | 100.0 |
| <b>Provides:</b> Mgr. Zuzana Kolaříková, PhD.     |       |
| <b>Date of last modification:</b> 11.09.2023      |       |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD. |       |

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> 2. IK/<br>GaH/22   | <b>Course name:</b> Gastroenterology and Hepatology |
| <b>Course type, scope and the method:</b><br><b>Course type:</b> Seminar<br><b>Recommended course-load (hours):</b><br><b>Per week:</b> 2 <b>Per study period:</b> 28<br><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><br>During the semester, the student will prepare two presentations on current research issues in gastroenterology and hepatology and present them at scientific seminars of the research group or at educational seminars of the clinic.  |   |
| <b>Learning outcomes:</b><br>Acquisition of theoretical and clinical knowledge and skills in gastroenterology and hepatology.  |   |
| <b>Brief outline of the course:</b> <ul style="list-style-type: none"> <li>- The use of non-invasive examination methods (laboratory tests, ultrasound examinations and abdominal ultrasound, serological and immunological examination methods, PCR diagnostics, immunogenetics)</li> <li>- Use of semi-invasive and invasive diagnostic methods (endoscopic methods - esophagogastroscope, colonoscopy, enteroscopy, liver biopsy, ERCP)</li> <li>- Basics of diagnosis and pharmacotherapy of diseases of the digestive tract and liver (ulcer disease gastroduodenitis, non-specific inflammatory bowel diseases, hepatitis, cirrhosis of the liver, pancreatitis, tumor diseases of the digestive tract)</li> <li>- Current trends in applied clinical research in hepatology and gastroenterology</li> </ul> |   |
| <b>Recommended literature:</b><br>Hulek P, Urbánek P. Hepatologie. 3. vydání. Grada 2018, 768 s.<br>Zavoral M (Ed.). Mařatkova gastroenterologie. Karolinum, 2021, 1503 s.<br>Dražilová S, et al. Vybrané kapitoly z hepatologie a gastroenterologie. Šafárik Press Košice, 2020, 284 s.   |   |
| <b>Course language:</b><br>Slovak, English   |   |
| <b>Notes:</b>  |   |

|   |       |
|---|-------|
| <b>Course assessment</b>  |       |
| Total number of assessed students: 4  |       |
| Ne  | Pr    |
| 0.0   | 100.0 |
| <b>Provides:</b> doc. MUDr. Sylvia Dražilová, PhD., doc. MUDr. Martin Janičko, PhD., prof. MUDr. Peter Jarčuška, PhD. |       |
| <b>Date of last modification:</b> 10.10.2022  |       |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.   |       |



## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice   |                                |
| <b>Faculty:</b> Faculty of Medicine   |                                |
| <b>Course ID:</b> KHO/<br>HEMAT/22  | <b>Course name:</b> Hematology |
| <b>Course type, scope and the method:</b><br><b>Course type:</b> Seminar<br><b>Recommended course-load (hours):</b><br><b>Per week:</b> 2 <b>Per study period:</b> 28<br><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><br>During the semester, the student prepares two presentations on current research issues in hematology and presents them at scientific seminars of the research group or at educational seminars of the clinic.   |                                |
| <b>Learning outcomes:</b><br>Acquisition of basic knowledge of diagnosis, treatment and prognostic stratification of diseases of the blood, hematopoietic organs and lymphatic system.  |                                |
| <b>Brief outline of the course:</b><br>- Familiarity with the classification and prognostic criteria of malignant and autoimmune blood diseases. - Acquire theoretical and practical knowledge in basic and special diagnostics (cytological, cytochemical and immunophenotypic examinations of bone marrow and blood, immuno-haematological and immunological examinations of erythrocytes, lymphocytes and platelets, haemostasis examinations, special biochemical examinations). - Comprehensive treatment of haematological diseases (cytostatic therapy, immunosuppressive and immunomodulatory therapy, haem replacement therapy, anticoagulant therapy, other pharmacotherapy and other therapeutic procedures) - Procedures in the diagnosis and treatment of bleeding disorders and thrombophilic conditions. |                                |
| <b>Recommended literature:</b><br>1/ Hematológia: Prehľad Malígnych hematologických nemocí, Zdenek Adam, 2008<br>2/ Hematológia: Karel Indrál a kolektív, 2011<br>3/ Hematológia a transfúzní lékařství I. (hematologie): Miroslav Penka, Eva tesarová a kolektív, 2011<br>4/ Hematológia a transfúzní lékařství II. (transfuziologie) : Miroslav Penka, Eva tesarová a kolektív, 2012  |                                |
| <b>Course language:</b><br>Slovak, English  |                                |
| <b>Notes:</b>   |                                |

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|---|-----|
| <b>Course assessment</b>                          |     |
| Total number of assessed students: 0              |     |
| Ne  | Pr  |
| 0.0   | 0.0 |
| <b>Provides:</b> MUDr. Tomáš Guman, PhD., MBA     |     |
| <b>Date of last modification:</b> 10.10.2022      |     |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD. |     |

## COURSE INFORMATION LETTER

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|---|---|
| <b>University:</b> P. J. Šafárik University in Košice   |   |
| <b>Faculty:</b> Faculty of Medicine   |   |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/ISL/22  | <b>Course name:</b> Individual study of scientific literature |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>The evaluation is carried out by the supervisor based on knowledge of the Ph.D. presented on seminars at the department/clinic.<br>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><br>english, slovak  |   |
| <b>Notes:</b>   |   |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.   |   |

## COURSE INFORMATION LETTER

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|---|---------------------------------|
| <b>University:</b> P. J. Šafárik University in Košice   |                                 |
| <b>Faculty:</b> Faculty of Medicine   |                                 |
| <b>Course ID:</b> KICM/<br>INF/22   | <b>Course name:</b> Infectology |
| <b>Course type, scope and the method:</b><br><b>Course type:</b> Seminar<br><b>Recommended course-load (hours):</b><br><b>Per week:</b> 2 <b>Per study period:</b> 28<br><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><br>interview, exam   |                                 |
| <b>Learning outcomes:</b><br>Acquisition of knowledge about current diagnostic possibilities, differential diagnosis and treatment of infectious diseases and skills of their practical application.  |                                 |
| <b>Brief outline of the course:</b><br>- Etiopathogenesis of the infectious process.<br>- Basics of epidemiology of infectious diseases and their clinical manifestation according to the etiological agent - Differential diagnosis of the main syndromes in infectious diseases.<br>- Diagnostic procedures, basics of therapy of infectious diseases and possibilities of their prevention.  |                                 |
| <b>Recommended literature:</b><br>1. Bálint, O. a kolektív: Infektológia a antiinfekčná terapia, Osveta spol.s.r.o., Martin 2007, 588 s.<br>2. Beneš J. a spol.: Infekční lékařství, Galén, Praha 2009, 651 s. 3. Šerý, V. Bálint, O.: Tropická a cestovní medicína, Medon s.r.o., Praha 1998, 569 s. 4. Schlossberg D: Clinical Infectious Disease, Cambridge University Press, 2008, 1549 s. 5. Mandell G. a kol., Principles and Practice of Infectious diseases 9th edition, Elsevier, 2019 |                                 |
| <b>Course language:</b><br>Slovak, English  |                                 |
| <b>Notes:</b>   |                                 |
| <b>Course assessment</b><br>Total number of assessed students: 6  |                                 |
| Ne  | Pr                              |
| 0.0   | 100.0                           |
| <b>Provides:</b> Dr.h.c. prof. MUDr. Pavol Jarčuška, PhD., prof. MUDr. Pavol Kristian, PhD., MUDr. Martin Novotný, PhD., doc. MUDr. Zuzana Paraličová, PhD., prof. MUDr. Ivan Schréter, CSc.  |                                 |
| <b>Date of last modification:</b> 10.10.2022  |                                 |

**Approved:** prof. MUDr. Peter Jarčuška, PhD.

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/AZSPn/22   | <b>Course name:</b> Internship abroad - more than 30 days |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Internship abroad - more than 30 days.<br>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><br>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><br>english, slovak   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |   |

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice   |  |
| <b>Faculty:</b> Faculty of Medicine   |  |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/AZSPd/22  | <b>Course name:</b> Internship abroad - of less than 30 days |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Internship abroad - of less than 30 days.<br>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><br>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><br>english, slovak  |  |
| <b>Notes:</b>   |  |
| <b>Course assessment</b><br>Total number of assessed students: 14   |  |
| abs   | neabs  |
| 100.0   | 0.0  |
| <b>Provides:</b>  |  |
| <b>Date of last modification:</b> 23.03.2022  |  |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.   |  |

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/P/22   | <b>Course name:</b> Lecture on research seminar at the department or clinic |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Lecture on research seminar at the department or clinic.<br>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><br>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><br>english, slovak   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>Total number of assessed students: 33  |   |
| abs  | neabs   |
| 100.0  | 0.0   |
| <b>Provides:</b>   |   |
| <b>Date of last modification:</b> 23.03.2022   |   |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.  |   |



## COURSE INFORMATION LETTER

|   |                                |
|---|--------------------------------|
| <b>University:</b> P. J. Šafárik University in Košice   |                                |
| <b>Faculty:</b> Faculty of Medicine   |                                |
| <b>Course ID:</b> 1. IK/NEFRO/22  | <b>Course name:</b> Nephrology |
| <b>Course type, scope and the method:</b><br><b>Course type:</b> Seminar<br><b>Recommended course-load (hours):</b><br><b>Per week:</b> 2 <b>Per study period:</b> 28<br><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><br>During the semester, the student will prepare two presentations on current research issues in nephrology and present them at scientific seminars of the research group or at educational seminars of the clinic.  |                                |
| <b>Learning outcomes:</b><br>Familiarization with basic examination and imaging methods in nephrology, dg. and treatment of various nephropathies; cardiorenal syndrome.  |                                |
| <b>Brief outline of the course:</b><br>- Fundamentals of examination methods in nephrology, practical introduction to the basics of abdominal ultrasonography, Doppler examination of renal arteries.<br>- Familiarization with the principles of dg. and treatment of the most common nephropathies, (diabetic kidney disease, renal involvement in systemic diseases, etc.).<br>- To get acquainted with the basic types of cardiorenal syndrome, dg. of individual subtypes in practice. |                                |
| <b>Recommended literature:</b><br>Tesař Vladimír, Viklický Ondřej a kol: Klinická nefrologie, 2015, GRADA, ISBN: 978-80-247-4367-7<br>Rychlík Ivan a kol: Budoucnost farmakoterapie v nefrologii, 2015, Mladá fronta, ISBN: 978-80-204-3865-2<br>Ďurovcová Eva, Mareková Mária a kol: Klinická biochémia, Vybrané kapitoly, 2020, Osveta, ISBN: 978-80-8063-489-6   |                                |
| <b>Course language:</b><br>Slovak, English  |                                |
| <b>Notes:</b>   |                                |

|   |     |
|---|-----|
| <b>Course assessment</b>  |     |
| Total number of assessed students: 0  |     |
| Ne  | Pr  |
| 0.0   | 0.0 |
| <b>Provides:</b> doc. MUDr. Ivana Valočíková, PhD., MUDr. Ľuboslav Beňa, PhD., MUDr. Jaroslav Rosenberger, PhD. |     |
| <b>Date of last modification:</b> 10.10.2022  |     |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.   |     |

## COURSE INFORMATION LETTER

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| <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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Obtaining an internal grant UPJŠ (VVGS) or scientific project for young researchers by Faculty of Medicine - as a responsible solver.<br>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><br>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><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>Total number of assessed students: 1   |  |
| abs  | neabs  |
| 100.0  | 0.0  |
| <b>Provides:</b>   |  |
| <b>Date of last modification:</b> 23.03.2022   |  |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.  |  |

## COURSE INFORMATION LETTER

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|--|--|
| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/PDS/16   | <b>Course name:</b> Preparation of the thesis for dissertation examination |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>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.<br>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><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>Total number of assessed students: 92  |  |
| abs  | neabs  |
| 100.0  | 0.0  |

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|---|
| <b>Provides:</b>                                  |
| <b>Date of last modification:</b> 23.03.2022      |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD. |

## COURSE INFORMATION LETTER

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|---|--|
| <b>University:</b> P. J. Šafárik University in Košice   |  |
| <b>Faculty:</b> Faculty of Medicine   |  |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/LPC/22  | <b>Course name:</b> Prevention and treatment activities (per semester) |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Performing medical-preventive activities at the Faculty of Medicine (per semester).<br>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><br>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><br>english, slovak  |  |
| <b>Notes:</b>   |  |
| <b>Course assessment</b><br>Total number of assessed students: 82   |  |
| abs   | neabs  |
| 100.0   | 0.0  |
| <b>Provides:</b>  |  |
| <b>Date of last modification:</b> 23.03.2022  |  |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.   |  |

## COURSE INFORMATION LETTER

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|---|---|
| <b>University:</b> P. J. Šafárik University in Košice   |   |
| <b>Faculty:</b> Faculty of Medicine   |   |
| <b>Course ID:</b><br>UPZMV/MVaS/22  | <b>Course name:</b> Research Methodology and Statistics |
| <b>Course type, scope and the method:</b><br><b>Course type:</b> Lecture / Seminar<br><b>Recommended course-load (hours):</b><br><b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28<br><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><br>1. Online test after each lecture<br>2. Problem learning after each block of lectures   |   |
| <b>Learning outcomes:</b><br>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><br>First block of lectures / problem learning PU1: research protocol<br>1. Guide to the course<br>2. Research process<br>3. Measurement of impact<br>4. Study design<br>5. Validity of the study<br>6. Questionnaire methods<br>Second block of lectures / problem learning PU2: working with statistical software<br>7. Random variable<br>8. Hypothesis, testing<br>9. Introduction to work with statistical software<br>10. Univariate statistical methods I<br>11. Univariate statistical methods II<br>Third block of lectures / problem learning PU3: statistical data analysis<br>12. Linear regression<br>13. Logistic regression<br>14. Mutual influences of variables, interaction<br>16. Randomized controlled trials - implementation<br>17. Randomized controlled trials - analyzes<br>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: 116

| Ne    | Pr    |
|-------|-------|
| 11.21 | 88.79 |

**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. Peter Jarčuška, PhD.



## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> KPaf/<br>PaF/22  | <b>Course name:</b> Respiratory Medicine and Phthiaseology |
| <b>Course type, scope and the method:</b><br><b>Course type:</b> Seminar<br><b>Recommended course-load (hours):</b><br><b>Per week: 2 Per study period: 28</b><br><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><br>During the semester, the student prepares two presentations on current research issues in pneumology and phthiaseology and presents them at scientific seminars of the research group or at educational seminars of the clinic.  |  |
| <b>Learning outcomes:</b><br>Acquisition of theoretical and clinical knowledge and skills in the field of pneumology and phthiaseology. Mastering the methodology of functional lung diagnostics, basics of roentgonological and bronchoscopic diagnostics.  |  |
| <b>Brief outline of the course:</b><br>- Nonspecific inflammation of the upper and lower respiratory tract, lungs and pleura. - Pulmonary and extrapulmonary tuberculosis. - Obstructive lung diseases - bronchial asthma and chronic obstructive pulmonary disease. - Interstitial lung diseases. - Sleep-disordered breathing - Fundamentals of immunology in pulmonology. - Acute conditions in pneumology. - Pneumooncology.   |  |
| <b>Recommended literature:</b><br>Broaddus VC, Ernst JD, King TE, Lazarus SC, Sarmiento KF, Schnapp LM, Stapleton RD, Gotway MB. Murray & Nadel's Textbook of Respiratory Medicine, 2-Volume Set, 7th Edition. Elsevier, 2021, 2272 pp.<br>Weinberger SE, Cockrill BA, Mandel J. Principles of Pulmonary Medicine, 7th Edition. Elsevier, 2018, 424 pp.<br>Wahidi MM, Ost DE. Practical Guide to Interventional Pulmonology. Elsevier, 2022, 352 pp.<br>Scanlon PD. Hyatt's Interpretation of Pulmonary Function Tests. Wolters Kluwer, 2019, 240 pp.<br>Durham M. Clinical Tuberculosis. American Medical Publishers, 2022, 240 pp. |  |
| <b>Course language:</b><br>Slovak, English   |  |
| <b>Notes:</b>  |  |

|   |       |
|---|-------|
| <b>Course assessment</b>                          |       |
| Total number of assessed students: 3              |       |
| Ne  | Pr    |
| 0.0   | 100.0 |
| <b>Provides:</b> doc. MUDr. Pavol Joppa, PhD.     |       |
| <b>Date of last modification:</b> 24.03.2023      |       |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD. |       |

## COURSE INFORMATION LETTER

|   |   |
|---|---|
| <b>University:</b> P. J. Šafárik University in Košice   |   |
| <b>Faculty:</b> Faculty of Medicine   |   |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Responses to the scientific work in which the doctoral student is as a co-author - registered in a national scientific journal.<br>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><br>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><br>english, slovak  |   |
| <b>Notes:</b>   |   |
| <b>Course assessment</b><br>Total number of assessed students: 1  |   |
| abs   | neabs   |
| 100.0   | 0.0   |
| <b>Provides:</b>  |   |
| <b>Date of last modification:</b> 23.03.2022  |   |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.   |   |

## COURSE INFORMATION LETTER

|   |  |
|---|--|
| <b>University:</b> P. J. Šafárik University in Košice   |  |
| <b>Faculty:</b> Faculty of Medicine   |  |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Responses to the scientific work in which the doctoral student is as a co-author - registered in a national scientific journal.<br>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><br>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><br>english, slovak  |  |
| <b>Notes:</b>   |  |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.   |  |

## COURSE INFORMATION LETTER

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|--|--|
| <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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Responses to the scientific work in which the doctoral student is as a co-author - registered in databases SCI or Scopus.<br>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><br>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><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |  |

## COURSE INFORMATION LETTER

|   |  |
|---|--|
| <b>University:</b> P. J. Šafárik University in Košice   |  |
| <b>Faculty:</b> Faculty of Medicine   |  |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Responses to the scientific work in which the doctoral student is as the 1st author - registered in a foreign scientific journal.<br>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><br>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><br>english, slovak  |  |
| <b>Notes:</b>   |  |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.   |  |

## COURSE INFORMATION LETTER

|  |   |
|--|---|
| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Responses to the scientific work in which the doctoral student is as the 1st author - registered in a national scientific journal.<br>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><br>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><br>english, slovak   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |   |

## 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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Responses to the scientific work in which the doctoral student is as the 1st author - registered in databases SCI or Scopus.<br>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><br>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><br>english, slovak   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |   |



## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/OP-ZP/22   | <b>Course name:</b> Review of bachelor thesis |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Review of bachelor thesis.<br>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><br>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><br>english, slovak   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>Total number of assessed students: 5   |   |
| abs  | neabs   |
| 100.0  | 0.0   |
| <b>Provides:</b>   |   |
| <b>Date of last modification:</b> 24.03.2022   |   |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.  |   |

## COURSE INFORMATION LETTER

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|--|---|
| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> 1. IK/RaI/22   | <b>Course name:</b> Rheumatology and Immunology |
| <b>Course type, scope and the method:</b><br><b>Course type:</b> Seminar<br><b>Recommended course-load (hours):</b><br><b>Per week:</b> 2 <b>Per study period:</b> 28<br><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><br>During the semester, the student prepares two presentations on current research issues in rheumatology or immunology and presents them at scientific seminars of the research group or at educational seminars of the clinic.  |   |
| <b>Learning outcomes:</b><br>Study of basic examination methods in rheumatology, diagnosis, differential diagnosis of autoimmune, degenerative and metabolic diseases of the musculoskeletal system.   |   |
| <b>Brief outline of the course:</b> <ul style="list-style-type: none"> <li>- Basics of examination methods in rheumatology, practical acquaintance with laboratory examinations, X-ray diagnostics, densitometric examination.</li> <li>- Diagnosis and pharmacotherapy of rheumatological diseases (systemic connective tissue diseases, rheumatoid arthritis, seronegative arthritis, gout, osteoarthritis, osteoporosis).</li> <li>- Interpretation of the results of immunological examinations with regard to autoimmune diseases.</li> <li>- Basic principles of immunosuppressive therapy, indications, contraindications and adverse effects.</li> </ul> |   |
| <b>Recommended literature:</b><br>1. Rovenský J.a kol.: Klinická reumatológia, Osveta 2000 2. Gary S. Firestein a kol.: Textbook of Rheumatology, 9-th Edition, Elsevier, 2013 3. Seemi Farhat Basir a kol.: Textbool of Immunology, PHI Learning 2012   |   |
| <b>Course language:</b><br>Slovak, English   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>Total number of assessed students: 2   |   |
| Ne   | Pr  |
| 0.0  | 100.0   |
| <b>Provides:</b> prof. MUDr. Želmíra Macejová, PhD., MPH   |   |
| <b>Date of last modification:</b> 10.10.2022   |   |

**Approved:** prof. MUDr. Peter Jarčuška, PhD.

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice   |  |
| <b>Faculty:</b> Faculty of Medicine   |  |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/VP-MONO-<br>IV/22   | <b>Course name:</b> Scientific work as a monograph, published in another publisher |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Scientific work as a monograph, published in another publisher.<br>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><br>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><br>english, slovak  |  |
| <b>Notes:</b>   |  |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.   |  |

## COURSE INFORMATION LETTER

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|---|---|
| <b>University:</b> P. J. Šafárik University in Košice   |   |
| <b>Faculty:</b> Faculty of Medicine   |   |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/VP-MONO/22  | <b>Course name:</b> Scientific work as a monograph, published in • publishers<br>Elsevier, Springer, WileyBlackwell or Taylor & Francis |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Scientific work as a monograph, published in publishers Elsevier, Springer, WileyBlackwell or Taylor & Francis.<br>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><br>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><br>english, slovak  |   |
| <b>Notes:</b>   |   |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.   |   |

## COURSE INFORMATION LETTER

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|--|---|
| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Scientific work published in a foreign journal as a co-author.<br>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><br>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><br>english, slovak   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |   |

## COURSE INFORMATION LETTER

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|--|--|
| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Scientific work published in a foreign journal as the 1st author.<br>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><br>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><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |  |

## COURSE INFORMATION LETTER

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|--|--|
| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Scientific work published in an unreviewed foreign or national proceedingm PhD. student - a co-author.<br>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><br>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><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |  |



## COURSE INFORMATION LETTER

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|--|---|
| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Scientific work published in an unreviewed foreign or national proceedingm PhD. student - the 1st author.<br>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><br>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><br>english, slovak   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |   |

## COURSE INFORMATION LETTER

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|--|--|
| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/VP-DC-S/22   | <b>Course name:</b> Scientific work published in in a national magazine,<br>respective in in a peer-reviewed foreign or national proceeding as a co-<br>author |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Scientific work published in in a national magazine, respective in in a peer-reviewed foreign or<br>national proceeding as a co-author.<br>The doctoral student states the activity in the doctoral annual report and these activities are<br>relevantly documented (e.g. publication, program).   |  |
| <b>Learning outcomes:</b><br>By publishing a scientific paper in a domestic journal or in a peer-reviewed foreign or domestic<br>proceedings, the doctoral student demonstrates the ability to identify, evaluate, and correctly apply<br>scientific knowledge and research methods. Demonstrates competence to use existing theories and<br>concepts, as well as the ability to generate scientific knowledge, which he publishes in domestic<br>peer-reviewed journals or domestic or foreign peer-reviewed proceedings (usually in a foreign<br>language) by adhering to established quality and ethical standards. |  |
| <b>Brief outline of the course:</b>  |  |
| <b>Recommended literature:</b>   |  |
| <b>Course language:</b><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>Total number of assessed students: 43  |  |
| abs  | neabs  |
| 100.0  | 0.0  |
| <b>Provides:</b>   |  |
| <b>Date of last modification:</b> 23.03.2022   |  |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.  |  |

## COURSE INFORMATION LETTER

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|--|--|
| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/VP-DC-1./22  | <b>Course name:</b> Scientific work published in in a national magazine,<br>respective in in a peer-reviewed foreign or national proceeding as the 1st<br>author |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Scientific work published in in a national magazine, respective in in a peer-reviewed foreign or<br>national proceeding as the 1st author.<br>The doctoral student states the activity in the doctoral annual report and these activities are<br>relevantly documented (e.g. publication, program).  |  |
| <b>Learning outcomes:</b><br>By publishing a scientific paper in a domestic journal or in a peer-reviewed foreign or domestic<br>proceedings, the doctoral student demonstrates the ability to identify, evaluate, and correctly apply<br>scientific knowledge and research methods. Demonstrates competence to use existing theories and<br>concepts, as well as the ability to generate scientific knowledge, which he publishes in domestic<br>peer-reviewed journals or domestic or foreign peer-reviewed proceedings (usually in a foreign<br>language) by adhering to established quality and ethical standards. |  |
| <b>Brief outline of the course:</b>  |  |
| <b>Recommended literature:</b>   |  |
| <b>Course language:</b><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |  |

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>PhD. student - co-author in the journal which is included in category Q1 (according SJR or JCR).<br>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><br>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><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |  |

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>PhD. student - co-author in the journal which is included in category Q2 (according SJR or JCR).<br>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><br>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><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |  |

## COURSE INFORMATION LETTER

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|--|--|
| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/VP-S-Q3/22   | <b>Course name:</b> Scientific work published in the journal registered in the WoS/Scopusus databases - as a co-author in the journal which is included in category Q3 |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>PhD. student - co-author in the journal which is included in category Q3 (according SJR or JCR).<br>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><br>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><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |  |

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |  |
| <b>Faculty:</b> Faculty of Medicine  |  |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/VP-S-Q4/22   | <b>Course name:</b> Scientific work published in the journal registered in the WoS/Scopusus databases - as a co-author in the journal which is included in category Q4 |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>PhD. student - co-author in the journal which is included in category Q4 (according SJR or JCR).<br>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><br>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><br>english, slovak   |  |
| <b>Notes:</b>  |  |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |  |

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>PhD. student - 1st author in the journal which is included in category Q1 (according SJR or JCR).<br>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><br>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><br>english, slovak   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |   |



## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>PhD. student - 1st author in the journal which is included in category Q2 (according SJR or JCR).<br>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><br>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><br>english, slovak   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>Total number of assessed students: 1   |   |
| abs  | neabs   |
| 100.0  | 0.0   |
| <b>Provides:</b>   |   |
| <b>Date of last modification:</b> 23.03.2022   |   |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.  |   |

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>PhD. student - 1st author in the journal which is included in category Q3 (according SJR or JCR).<br>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><br>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><br>english, slovak   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>Total number of assessed students: 1   |   |
| abs  | neabs   |
| 100.0  | 0.0   |
| <b>Provides:</b>   |   |
| <b>Date of last modification:</b> 23.03.2022   |   |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.  |   |

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> Dek. LF<br>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><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>PhD. student - 1st author in the journal which is included in category Q4 (according SJR or JCR).<br>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><br>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><br>english, slovak   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |   |

## COURSE INFORMATION LETTER

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|---|--|
| <b>University:</b> P. J. Šafárik University in Košice   |  |
| <b>Faculty:</b> Faculty of Medicine   |  |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/JSD/14  | <b>Course name:</b> Spring School for PhD Students |
| <b>Course type, scope and the method:</b><br><b>Course type:</b> Lecture<br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b> 4d<br><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>  |  |
| <b>Learning outcomes:</b>   |  |
| <b>Brief outline of the course:</b>   |  |
| <b>Recommended literature:</b>  |  |
| <b>Course language:</b><br>english, slovak  |  |
| <b>Notes:</b>   |  |
| <b>Course assessment</b><br>Total number of assessed students: 55   |  |
| abs   | neabs  |
| 100.0   | 0.0  |
| <b>Provides:</b>  |  |
| <b>Date of last modification:</b> 23.03.2022  |  |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.   |  |

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice   |   |
| <b>Faculty:</b> Faculty of Medicine   |   |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/ODP/16  | <b>Course name:</b> Submission of dissertation thesis for defense |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>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.<br>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><br>english, slovak  |   |
| <b>Notes:</b>   |   |
| <b>Course assessment</b><br>Total number of assessed students: 62   |   |
| abs   | neabs   |
| 100.0   | 0.0   |
| <b>Provides:</b>  |   |

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| <b>Date of last modification:</b> 23.03.2022      |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD. |

## COURSE INFORMATION LETTER

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| <b>University:</b> P. J. Šafárik University in Košice   |  |
| <b>Faculty:</b> Faculty of Medicine   |  |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/V/K-ZP/22   | <b>Course name:</b> Supervision of bachelor thesis |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Supervision of bachelor thesis.<br>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><br>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><br>english, slovak  |  |
| <b>Notes:</b>   |  |
| <b>Course assessment</b><br>Total number of assessed students: 13   |  |
| abs   | neabs  |
| 100.0   | 0.0  |
| <b>Provides:</b>  |  |
| <b>Date of last modification:</b> 24.03.2022  |  |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.   |  |

## COURSE INFORMATION LETTER

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|---|---|
| <b>University:</b> P. J. Šafárik University in Košice   |   |
| <b>Faculty:</b> Faculty of Medicine   |   |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/PC/22   | <b>Course name:</b> The direct pedagogical activity |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>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.<br>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><br>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><br>english, slovak  |   |
| <b>Notes:</b>   |   |
| <b>Course assessment</b><br>Total number of assessed students: 91   |   |
| abs   | neabs   |
| 100.0   | 0.0   |
| <b>Provides:</b>  |   |
| <b>Date of last modification:</b> 23.03.2022  |   |
| <b>Approved:</b> prof. MUDr. Peter Jarčuška, PhD.   |   |



## COURSE INFORMATION LETTER

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|--|---|
| <b>University:</b> P. J. Šafárik University in Košice  |   |
| <b>Faculty:</b> Faculty of Medicine  |   |
| <b>Course ID:</b> Dek. LF<br>UPJŠ/OVK/22   | <b>Course name:</b> Work in the conference organizing committee |
| <b>Course type, scope and the method:</b><br><b>Course type:</b><br><b>Recommended course-load (hours):</b><br><b>Per week: Per study period:</b><br><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><br>Work in the conference organizing committee.<br>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><br>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><br>english, slovak   |   |
| <b>Notes:</b>  |   |
| <b>Course assessment</b><br>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. Peter Jarčuška, PhD.  |   |