

**Course descriptions**

TABLE OF CONTENTS

1. 3-PAS-005/22 Dissertation Defense (**state exam**)..... 2

2. 3-PAS-004/22 Dissertation Examination (**state exam**)..... 4

## STATE EXAM DESCRIPTION

<b>Academic year:</b> 2024/2025	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Jessenius Faculty of Medicine in Martin	
<b>Course ID:</b> JLF/3-PAS-005/22	<b>Course title:</b> Dissertation Defense
<b>Number of credits:</b> 30	
<b>Educational level:</b> III.	
<b>Course requirements:</b> <ul style="list-style-type: none"> <li>- obtaining at least 210 credits (in a 4-year full-time and 5-year part-time study)</li> <li>- submission of an application for a state examination permit - defense of the dissertation no later than 4 months before the date of completion of the standard length of study</li> <li>- authorship or co-authorship of a doctoral student of at least three scientific papers in extenso in internationally recognized journals registered in databases, such as Web of Science, Medline or SCOPUS as a basic condition for accepting an application for permission to defend a dissertation; in at least one of these works, the doctoral student is the first author</li> </ul>	
<b>Learning outcomes:</b> <ul style="list-style-type: none"> <li>- the graduate of the field has mastered the principles and methodology of scientific work, from the ability to orient in the latest knowledge of the field, through scientific formulation of the problem, assessment of the ethical side of scientific work, planning and implementation of research, scientific processing of obtained data, their interpretation to their presentation, including in international fora, and possible proposals for their application in practice.</li> <li>- the graduate of the course Pathological anatomy and forensic medicine 2 can work independently scientifically and bring their own solutions to problems in the field. He/she can contribute to the development of this field through scientific and teaching work</li> </ul>	
<b>Class syllabus:</b> <ul style="list-style-type: none"> <li>- scientific research on a current problem in the field or a multidisciplinary problem with a focus on Pathological anatomy and forensic medicine</li> <li>- mastering the principles and methodology of scientific work in clinical research or experimental work, as well as the ethical and social aspects of scientific work up to the preparation of the text of a scientific publication in cooperation with the supervisor in in-form, especially in English</li> <li>- publishing and lecturing activities and active participation in scientific events</li> <li>- teaching activity (max. 4 hours per week / year = 208 hours / year = 104 hours / semester) only for full-time form</li> <li>- medical - preventive activity, while the doctoral student meeting the prescribed requirements is included in the specialization study to an appropriate extent.</li> </ul>	
<b>State exam syllabus:</b>	
<b>Recommended literature:</b> <ul style="list-style-type: none"> <li>- Zaviačič M. a spol.: Kompendium patológie. 1. a 2. diel. Bratislava, UK 2002</li> <li>- Harish Mohan: Patológia, Prvé slovenské vydanie, Editori slovenského vydania: Danihel Ľ., Plank L., Balneotherma, s.r.o., 2011</li> <li>- Jozef Zámečník (Editor): Patologie. Svazek 1 -3. LD, s.r.o. Prager Publishing 2019 (www.ucebnyce-patologie.cz).</li> </ul>	

- S. Cross: Underwood's Pathology: a Clinical Approach with STUDENT CONSULT Access. 7th Ed. Elsevier 2018.
- V. Kumar a spol.: Robbins and Cotran Pathologic Basis of Disease. 10th Ed. Elsevier 2020.
- WB Coleman, GJ Tsongalis: : Diagnostic Molecular Pathology. The molecular Basis of Human Disease. 2nd Ed. Elsevier 2017.
- Hirt, M. et al.: Soudní lékařství. 1 díl. - Praha : Grada, 2015. ISBN 978-80-247-9952-0
- Hirt, M. et al.: Soudní lékařství. 2 díl. - Praha : Grada, 2016. ISBN 978-80-271-0268-6
- Hirt, M. et al.: Velký výkladový slovník soudnělékařské terminologie. - Praha : Grada 2018. ISBN 978-80-247-1979-5

Journals:

- Česko-slovenská patologie a soudní lékařství, ISSN 1210-7875
- Histopathology, ISSN 0309-0167
- The American Journal of Surgical Pathology, ISSN 0147-5185
- The American Journal of Clinical Pathology, ISSN 00029440
- Modern Pathology, ISSN 0893-3952
- Forensic Science International, ISSN: 0379-0738
- International Journal of Legal Medicine, Electronic ISSN 1437-1596, Print ISSN 0937-9827
- Forensic Science Medicine and Pathology, Electronic ISSN 1556-2891, Print ISSN 1547-769X

**Languages necessary to complete the course:**

Slovak language / English language

**Last change:** 21.08.2023

**Approved by:** prof. MUDr. Eubomír Straka, PhD., prof. MUDr. Katarína Adamicová, PhD., doc. MUDr. Martin Janík, PhD.

## STATE EXAM DESCRIPTION

<b>Academic year:</b> 2024/2025	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Jessenius Faculty of Medicine in Martin	
<b>Course ID:</b> JLF/3-PAS-004/22	<b>Course title:</b> Dissertation Examination
<b>Number of credits:</b> 20	
<b>Educational level:</b> III.	
<b>Course requirements:</b> <ul style="list-style-type: none"> <li>- obtaining at least 60 credits, including 20 credits for mandatory courses of the Methodology of Scientific Work, Introductory of Statistical Analysis and Examination in a Foreign / World Language as a condition for granting consent to take a dissertation exam (DE)</li> <li>- registration for DE within 24 months from the beginning of the study (in a 4-year full-time study)</li> <li>- registration for DE within 30 months from the beginning of the study (in a 5-year external study)</li> <li>- elaboration of a written part for the dissertation exam</li> <li>- successful answering of 2 theoretical questions from the field of Pathological anatomy and forensic medicine and presentation of the basic theses of the written part of the dissertation exam</li> </ul>	
<b>Learning outcomes:</b> <ul style="list-style-type: none"> <li>- the graduate of the subject Pathological Anatomy and Forensic Medicine 1 has deep theoretical knowledge, based on the current state of scientific knowledge in the field of pathological anatomy and forensic medicine to the extent necessary for the implementation of doctoral studies</li> <li>- scientifically analyzes and examines problems in the context of the existing level of scientific knowledge, brings and verifies its own procedures and solutions to these problems in the field of pathological anatomy or forensic medicine and thus contributes to increasing the level of scientific knowledge of these medical disciplines</li> <li>- the graduate is capable of independent scientific work and brings their own solutions to problems in the field of pathological anatomy and forensic medicine</li> <li>- masters research methods in the field of pathological anatomy and forensic medicine</li> </ul>	
<b>Class syllabus:</b> <ul style="list-style-type: none"> <li>- theoretical knowledge in the field of Pathological Anatomy and Forensic Medicine to the extent necessary to solve a given scientific problem with an orientation on:</li> <li>- knowledge in the field of etiology, pathogenesis, manifestations of pathological events and diseases and prediction of their prognosis</li> <li>- to know the morphological nature of disease processes at various levels, including cellular, subcellular and gene, including its impact on the function of part and the whole - the human body,</li> <li>- to improve diagnostic procedures, disease monitoring procedures, etc. changes,</li> <li>- to know the effects of the effects of violence on the human body, its external and internal manifestations, including the prediction of the prognosis of the consequences of violence in living persons,</li> <li>- to know the effects of poisons, psychoactive substances and other xenobiotics on the human</li> </ul>	

body, etc.

- language skills needed to obtain scientific information from foreign sources and present research results in foreign journals and at international conferences
- pedagogical activity (max. 4 hours per week / year = 208 hours / year = 104 hours / semester) only for full-time form
- medical - preventive activity, while the doctoral student meeting the prescribed requirements is included in the specialization study to an appropriate extent.

#### **State exam syllabus:**

#### **Recommended literature:**

- Zaviačič M. a spol.: Kompendium patológie. 1. a 2. diel. Bratislava, UK 2002
- Harish Mohan: Patológia, Prvé slovenské vydanie, Editori slovenského vydania: Danihel Ľ., Plank L., Balneotherma, s.r.o., 2011
- Jozef Zámečník (Editor): Patologie. Svazek 1 -3. LD, s.r.o. Prager Publishing 2019 ([www.ucebnice-patologie.cz](http://www.ucebnice-patologie.cz)).
- S. Cross: Underwood's Pathology: a Clinical Approach with STUDENT CONSULT Access. 7th Ed. Elsevier 2018.
- V. Kumar a spol.: Robbins and Cotran Pathologic Basis of Disease. 10th Ed. Elsevier 2020.
- WB Coleman, GJ Tsongalis: : Diagnostic Molecular Pathology. The molecular Basis of Human Disease. 2nd Ed. Elsevier 2017.
- Hirt, M. et al.: Soudní lékařství. 1 díl. - Praha : Grada, 2015. ISBN 978-80-247-9952-0
- Hirt, M. et al.: Soudní lékařství. 2 díl. - Praha : Grada, 2016. ISBN 978-80-271-0268-6
- Hirt, M. et al.: Velký výkladový slovník soudnělékařské terminologie. - Praha : Grada 2018. ISBN 978-80-247-1979-5

#### **Journals:**

- Česko-slovenská patologie a soudní lékařství, ISSN 1210-7875
- Histopathology, ISSN 0309-0167
- The American Journal of Surgical Pathology, ISSN 0147-5185
- The American Journal of Clinical Pathology, ISSN 00029440
- Modern Pathology, ISSN 0893-3952
- Forensic Science International, ISSN: 0379-0738
- International Journal of Legal Medicine, Electronic ISSN 1437-1596, Print ISSN 0937-9827
- Forensic Science Medicine and Pathology, Electronic ISSN 1556-2891, Print ISSN 1547-769X

#### **Languages necessary to complete the course:**

Slovak language / English language

**Last change:** 10.08.2023

**Approved by:** prof. MUDr. Ľubomír Straka, PhD., prof. MUDr. Katarína Adamicová, PhD., doc. MUDr. Martin Janík, PhD.