

**Course descriptions**

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## STATE EXAM DESCRIPTION

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| <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><br>JLF/3-VCH-005/22  | <b>Course title:</b><br>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 subject Internal Diseases 2 has the ability to work independently scientifically and bring their own solutions to problems in the field. He has the ability to contribute to the development of this field through scientific and pedagogical 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 focusing on internal diseases</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>- pedagogical 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> <p>Češka, R. a kol Interna. Praha: Triton, 2020, 1032 s.</p> <p>Klener, P. Vnitřní lékařství, Praha, Galén, Karolinum, 2011, 1 174 s.</p> <p>Kumar, P., Clark, M. Kumar and Clark's Clinical Medicine. Philadelphia: Saunders Ltd., 2020.1564 s.</p> <p>Jameson JL et al. Harrison's Principles of Internal medicine: Vol. I.-II. New York, McGraw-</p>   |  |

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| <p>Hill, 2018, 4048 s.</p> <p>McPhee, S. J., Hammer, G. D. Pathophysiology of Disease And Introduction to Clinical Medicine. Nex York: McGraw-Hill Medical, 2018, 832 s.</p> |
| <p><b>Languages necessary to complete the course:</b></p> <p>Slovak language / English language</p>  |
| <p><b>Last change:</b> 21.08.2023</p>  |
| <p><b>Approved by:</b> prof. MUDr. Ján Staško, PhD., prof. MUDr. Marián Mokáň, DrSc.,FRCP<br/>Edin, prof. MUDr. Peter Galajda, CSc.</p>                                      |

## STATE EXAM DESCRIPTION

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| <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><br>JLF/3-VCH-004/22   | <b>Course title:</b><br>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 Internal 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 Internal Medicine 1 has a deep theoretical knowledge, based on the current state of scientific knowledge in the field of internal medicine and its other subfields, such as cardiology, pneumology and phthysiology, gastroenterology and hepatology, nephrology, endocrinology, diabetology, metabolic disorders and nutrition, hematology, rheumatology, infectious diseases, occupational medicine, etc. to the extent necessary for the implementation of doctoral studies</li> <li>- the graduate is capable of independent scientific work and brings their own solutions to problems in the field of internal diseases</li> <li>- masters research methods in the field of internal diseases, especially with a focus on methods of clinical and clinical-epidemiological research</li> </ul> |  |
| <b>Class syllabus:</b> <ul style="list-style-type: none"> <li>- theoretical knowledge in the field of Internal Medicine to the extent necessary to solve a given scientific problem</li> <li>- knowledge in the field of etiopathogenesis, diagnostics, differential diagnosis, treatment and prevention of internal diseases</li> <li>- language skills needed to obtain scientific information from foreign sources and present research results in foreign journals and at international conferences</li> <li>- pedagogical 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><br>Češka, R. a kol Interna. Praha: Triton, 2020, 1032 s.   |  |

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**Languages necessary to complete the course:**

Slovak language / English language

**Last change:** 10.08.2023

**Approved by:** prof. MUDr. Ján Staško, PhD., prof. MUDr. Marián Mokáň, DrSc.,FRCP Edin, prof. MUDr. Peter Galajda, CSc.