

Course descriptions

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STATE EXAM DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF/3-KLF-005/22	Course title: Dissertation Defense
Number of credits: 30	
Educational level: III.	
Course requirements: - obtaining at least 210 credits (in a 4-year full-time and 5-year part-time study) - 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 - 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	
Learning outcomes: - 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. - the graduate of the course Clinical pharmacology 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	
Class syllabus: - scientific research on a current problem in the field or a multidisciplinary problem with a focus on clinical pharmacology - mastering the principles and methodology of scientific experimental work or work in clinical pharmacological research up to the preparation of the text of a scientific publication in cooperation with the trainer in the form in extenso, especially in English - publishing and lecturing activities and active participation in scientific events - pedagogical activity (max. 4 hours per week / year = 208 hours / year = 104 hours / semester) only for full-time form	
State exam syllabus:	
Recommended literature: J. Marek a kol.: Farmakoterapie vnitřních nemocí. Grada, 4. Vyd., 2010. 777 s. B. Kaztung et al.: Basic and Clinical Pharmacology. McGrawHill Lange 15th Ed, 2020, 1328 s. P. N. Bennet et al.: Clinical Pharmacology. Churchill Livingstone Elsevier, 11th Ed, 2012, 667 s. H. P. Rang et al.: Rang and Dale's Pharmacology. Elsevier, 9th Ed, 2019, 808 s. M. Kertys: Základy všeobecnej farmakológie. Grada, 1. vyd, 2021, 172 s. L. Mirossay, J. Mojžiš: Základná farmakológia a farmakoterapia I. + II. Equilibria, 2021,	

1162 s.

M. Šutovská, S. Fraňová: Vybrané kapitoly z klinickej farmakológie: Antitrombotická a trombolytická liečba. Portál JLF UK, Martin, 2011, 127 s.

(<http://portal.jfmed.uniba.sk/clanky.php?aid=178>)

J. Mokrý a kol.: Vybrané kapitoly z klinickej farmakológie: Antimikrobiálne látky I. – farmakológia. Portál JLF UK, Martin, 2013, 160 s.

(<http://portal.jfmed.uniba.sk/clanky.php?aid=219>)

R. Hrubý, G. Nosál'ová: Liečba depresívnych porúch. Portál JLF UK, Martin, 2011, 68 s.

(<http://portal.jfmed.uniba.sk/clanky.php?aid=167>)

M. Jošková: Vybrané kapitoly z klinickej farmakológie Farmakológia liečiv v detskom veku I. Absorpcia liečiv. Portál JLF UK, Martin, 2017, 156 s.

(<https://portal.jfmed.uniba.sk/clanky.php?aid=366>)

S. Fraňová, M. Šutovská: Vybrané kapitoly z farmakológie - farmakoterapia bolesti. Portál JLF UK, Martin, 2014, 123 s. (<https://portal.jfmed.uniba.sk/clanky.php?aid=273>)

S. Fraňová, M. Šutovská: Vybrané kapitoly z farmakológie: Farmakoterapia kašľa. Portál JLF UK, Martin, 2017, 85 s. (<https://portal.jfmed.uniba.sk/clanky.php?aid=373>)

M. Gajdoš, G. Nosál'ová: Vybrané kapitoly z klinickej farmakológie: liečba aterosklerózy. Liečba osteoporózy. Univerzita Komenského, Bratislava, 2007, 50 s.

D. Meško, R. Pullmann, G. Nosál'ová: Vademékum klinickej biochémie, Martin, Osveta 1998.

I. Tašková: Psychofarmaka v kazuistikách. Maxdorf, 2021, 432 s.

J. Pečeňák, V. Kořínková: Psychofarmakológia. Wolters Kluwer, 2016, 672 s.

P. Mohr a kol.: Klinická psychofarmakologie. Maxdorf, 2017, 320 s.

Languages necessary to complete the course:

Slovak language / English language

Last change: 21.08.2023

Approved by: prof. MUDr. Mgr. Juraj Mokrý, PhD., prof. MUDr. Ingrid Tonhajzerová, PhD., doc. MUDr. Igor Ondrejka, PhD.

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF/3-KLF-004/22	Course title: Dissertation Examination
Number of credits: 20	
Educational level: III.	
Course requirements: - 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) - registration for DE within 24 months from the beginning of the study (in a 4-year full-time study) - registration for DE within 30 months from the beginning of the study (in a 5-year external study) - elaboration of a written part for the dissertation exam - successful answering of 2 theoretical questions from the field of Clinical pharmacology and presentation of the basic theses of the written part of the dissertation exam	
Learning outcomes: - the graduate of the subject Clinical Pharmacology 1 has deep theoretical knowledge based on the current state of scientific knowledge in the field, masters the principles and methodology of scientific work and is able to perform professional and scientific activities in the field of clinical pharmacology - has the ability to work independently and bring their own solutions to problems in the field and in related fields, especially in the profession of researcher and university teacher	
Class syllabus: - study of modern knowledge of clinical pharmacology with an orientation on the effect of drugs on the patient's body, on the evaluation of the quality and safety of drugs in clinical practice with an orientation of e.g. for the development of drug utilization methods - acquisition of comprehensive and in-depth knowledge of the field of internal diseases, pediatrics and other clinical disciplines, which he uses in consulting activities, - theoretical knowledge of related fields of pharmacology and pharmacodynamics, pharmacokinetics, pharmacogenomics, immunopharmacology, pharmacogenetics, dosology, toxicology of drugs, drug interactions, their side effects, pharmacoeconomics, molecular pharmacology, pharmacovigilance as well as therapeutic approaches in individual scientific problem - methodological and ethical bases of research work, principles of good laboratory work, - basics of statistical processing of obtained experimental data, - pedagogical activity (max. 4 hours per week / year = 208 hours / year = 104 hours / semester) only for full-time form	
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M. Kertys: Základy všeobecnej farmakológie. Grada, 1. vyd, 2021, 172 s.

L. Mirossay, J. Mojžiš: Základná farmakológia a farmakoterapia I. + II. Equilibria, 2021, 1162 s.

M. Šutovská, S. Fraňová: Vybrané kapitoly z klinickej farmakológie: Antitrombotická a trombolytická liečba. Portál JLF UK, Martin, 2011, 127 s. (<http://portal.jfmed.uniba.sk/clanky.php?aid=178>)

J. Mokrý a kol.: Vybrané kapitoly z klinickej farmakológie: Antimikrobiálne látky I. – farmakológia. Portál JLF UK, Martin, 2013, 160 s. (<http://portal.jfmed.uniba.sk/clanky.php?aid=219>)

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S. Fraňová, M. Šutovská: Vybrané kapitoly z farmakológie: Farmakoterapia kašľa. Portál JLF UK, Martin, 2017, 85 s. (<https://portal.jfmed.uniba.sk/clanky.php?aid=373>)

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P. Mohr a kol.: Klinická psychofarmakologie. Maxdorf, 2017, 320 s.

Languages necessary to complete the course:

Slovak language / English language

Last change: 09.08.2023

Approved by: prof. MUDr. Mgr. Juraj Mokrý, PhD., prof. MUDr. Ingrid Tonhajzerová, PhD., doc. MUDr. Igor Ondrejka, PhD.