

List of Course Information Sheets

Study Programme: INTERNAL MEDICINE

(3rd degree, internal and external form)

Profile courses:

Scientific Aspects of Clinical Research in Internal Medicine

Dissertation Thesis I.

Dissertation Thesis II.

Dissertation Examination

Defence of the Dissertation Thesis

Compulsory subjects:

Introduction to scientific research 1.

Introduction to scientific research 2.

Introduction to scientific research 3.

English Language and the exam in the English Language

Compulsory elective subjects:

The register of diseases, national healthcare registers, follow-up

Functional Anatomy of Human Reproduction and Clinical Embryology

Neuroscience – New Trends

Pathological Physiology and Pathology – new trends

New Medicaments and Strategies in Pharmacotherapy

New Trends in Medical Microbiology and Immunology

New Trends in Medical Biology and Clinical Genetics

New Trends in Medical. Clinical and Pharmacological Biochemistry

Course Information Sheets: Scientific Aspects of Clinical Research in Internal Medicine

University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Subject Code:	Course Title: Scientific Aspects of Clinical Research in Internal Medicine
Type, scope and method of educational activities: 12 hours lectures/semester + 12 hours of self-study. Lectures are held three times per semester in 4-hour sessions. Lectures are held in person or online.	
Number of credits earned: 10	
Recommended semester/trimester of the study: 2. semester of the PhD study – no later than the date of the dissertation examination	
Degree of Study: 3 rd degree	
Prerequisite courses: No prerequisite courses are required.	
Grading policy: Compulsory attendance at lectures. Individual study. Preparation of a scientific review article for publication. Credits will not be awarded if the doctoral student does not attend lectures and submits a scientific article.	
Course objectives: The student will gain knowledge of current scientific research areas in internal medicine and its fields. Student should practically understand the principles of reading scientific articles and their interpretation, as well as the interpretation of results of clinical studies in internal medicine and its disciplines. Students will learn to work with current EBM recommendations/guidelines (from all fields of internal medicine) and how to implement them into daily medical practice and their research activities.	
Concise subject structure (Syllabus): The student will expand the knowledge gained in other subjects of the study (Dissertation Thesis I., Introduction to Scientific Research 1., 2.) but with a targeted focus on internal medicine and scientific research in the fields of internal medicine according to the student's focus. Specifically, the subject deals with the creation of the cohort, methodology and processing of results in scientific research activities in the fields of internal medicine. We will teach the student scientific research with an emphasis on interdisciplinary cooperation with other departments at Faculty of Medicine. The student must process an overview topic in the specified issue in the form of a publication. The student is acquainted with the latest recommendations for the treatment of diseases in the field of internal medicine, how they are implemented in practice in the current health care system in Slovakia.	
Suggested readings: Websites of national and international professional societies focused on internal medicine and its specialized parts. International and national guidelines for internal medicine and its disciplines. Materials and professional articles provided by teachers.	

The language needed to pass the subject: Slovak and English
Another course information: The course is provided only in the summer semester if at least 5 students are enrolled.
Grading history Granting credits for completing the course and preparing the publication. Completion of the course is assessed by the classification grades "completed" or "not completed". Grading history: New subject
Lecturers: Prof. Juraj Payer, MD, PhD., MPH, FRCP, FEFIM, Prof. Viera Štvrtinová, MD, PhD., Assoc. Prof. Peter Jackuliak, MD, PhD., MPH, FEFIM, Assoc. Prof. Soňa Kiňová, MD, PhD.; Assoc. Prof. Tomáš Koller, MD, PhD.; Assoc. Prof. Martin Kužma, MD, PhD.; Prof. PharmDr. Ján Kyselovič, PhD.; Assoc. Prof. PharmDr. Andrea Gažová, PhD.
Last update: 31.03.2022
Approved by: Prof. Juraj Payer, MD, PhD, MPH, FRCP, FEFIM

Course Information Sheets: Dissertation thesis I.

University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Subject code:	Subject Title: Dissertation thesis I.
Type, scope and method of educational activities: without specification regarding it is a doctoral degree of the study (methods choice – in-person, distant, combined)	
Number of credits: 10	
Recommended semester/trimester of the study: 1st semester	
Study degree: 3rd grade	
Prerequisite subjects:	
Conditions for the subject completion: Evaluation of the course is individual according to a doctoral student's study plan and based on the agreement between the supervisor and the doctoral student. The part of the subject is mainly the individual study of literature focused on the dissertation thesis.	
Educational results: By completing the course, the student will gain sufficient information on the dissertation thesis project current issues following the specifics of particular topics. This amount of knowledge is essential for the firmly established theoretical skills of the graduate from the view of his/her knowledge. But it also supports his potential in the broad field of applied practice. Undoubtedly, the results will reflect in the student's overview in methodological approaches in the subject issues.	
Concise subject structure: The subject Dissertation thesis I. is part of doctoral student's study activities. It gains exclusively individual character regarding the specifics of the dissertation thesis topics. Its essential structure is noticeable already in the frame of the individual study plan of a doctoral student. The subject is essential, especially from understanding the essential theoretical and methodological aspects of the solved dissertation thesis, emphasising self-study and	

consultations with the supervisor and a broad spectrum of consultants. It contributes to creating the doctoral student's potential in his/her further (scientific) period of his/her study.
Recommended literature: Without the specification regarding the character of the dissertation thesis. The recommended literature is a part of the individual study plan of the doctoral student.
The language needed to pass the subject: Slovak combined with English (study literature in English)
Notes:
Subject classification: Subject completion is assessed by the classification grades passed or did not pass
The overall number of classified students: new subject
Lecturers: the doctoral student supervisor
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Course Information Sheets: Dissertation thesis II.

University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Subject code:	Subject Title: Dissertation thesis II.
Type, scope and method of educational activities: without specification regarding it is a doctoral degree of the study (methods choice – in-person, distant, combined)	
Number of credits: 10	
Recommended semester/trimester of the study: 3rd semester	
Study degree: 3rd degree	
Prerequisite subjects:	
Conditions for the subject completion: Evaluation of the course is individual according to a doctoral student's study plan and based on the agreement between the supervisor and the doctoral student. The part of the subject is mainly the individual study of literature focused on the dissertation thesis.	
Educational results: By completing the course, the student will gain sufficient information on the dissertation thesis project's current issues following the specifics of particular topics. This amount of knowledge is essential for the firmly established theoretical skills of the graduate from the view of his/her knowledge. But it also supports his potential in the broad field of applied practice. Undoubtedly, the results will reflect in the student's overview in methodological approaches in the subject issues.	
Concise subject structure: The subject Dissertation thesis II. is part of doctoral student's study activities. It gains exclusively individual character regarding the specifics of the dissertation thesis topics. Its essential structure is noticeable already in the frame of the individual study plan of a doctoral student. The subject is essential, especially from understanding the essential theoretical and methodological aspects of the solved dissertation thesis, emphasising the self-study and consultations with the supervisor and a broad spectrum of consultants. It contributes to creating the doctoral student's potential in his/her further (scientific) period of his/her study.	

Recommended literature: Without the specification regarding the character of the dissertation thesis. The recommended literature is a part of the individual study plan of the doctoral student.
The language needed to pass the subject: Slovak combined with English (study literature in English)
Notes:
Subject classification: Subject completion is assessed by the classification grades passed or did not pass
The overall number of classified students: new subject
Lectures: the doctoral student supervisor
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Course Information Sheets: Dissertation Examination

University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Subject code:	Subject Title: Dissertation Examination
Type, scope and method of educational activities: state examination, without a specification as it is the doctoral study degree	
Number of credits: 20	
Recommended semester/trimester of the study: in the full-time form 4th semester at the latest, in the external form 5th semester at the latest	
Study degree: 3rd grade	
Prerequisite subjects: compulsory and other compulsory elective subjects following the accreditation file and the individual study plan of the doctoral student, acquiring a minimum of 60 credits, elaboration of the written work to the dissertation thesis	
Conditions for the subject completion: The subject assessment is done in the state examination frame following the Study Regulations of the Faculty of Medicine Comenius University in Bratislava. After submitting the written work to the dissertation thesis in the determined period (until half of the study at the latest). The state examination subjects involve the debate on the written work to the dissertation thesis (elaborated by the doctoral student) and others by the Dean approved subjects of the oral examination (ad hoc). Assessment is standard and reflects sufficiently the student's orientation in the given issues. The conditions for successful subject completion are in concord with the Faculty of Medicine CU's Study regulations.	
Educational results: The graduate from the subject masters the tenets of the scientific work and has built the scientific thinking and scientific work system, masters the scientific work methodology, he/she knows how to prepare an abstract and overview scientific publication. The outcome of this knowledge is the completion of the written work to the dissertation thesis. The doctoral student shall complete the dissertation examination under the Law No. 131/2002 Coll. on Higher Education, § 54 Doctoral study programme and the Faculty of Medicine's Study regulations, Comenius University in Bratislava.	
Concise subject structure:	

<p>The study of scientific publications related to the topics of the doctoral study. Elaboration of the written work to the dissertation examination containing the overview of the current knowledge in the given issues. Forming the scientific goals of the dissertation thesis. Acquiring theoretical knowledge and practical skills related to the dissertation examination thesis and the subject of the doctoral study. The primary outcome is the written work to the dissertation thesis and its completion following the Study regulations FM CU. The form and the work content are regulated in Art. 29, Sec. 4 of the Study regulations FM CU. The dissertation examination consists of the debate over the written work to the dissertation examination and part when the doctoral student shall show theoretical knowledge from the study programme. The composition of the examination committee, determination of the opponent and the course of the dissertation examination follows the Study regulations FM CU.</p>
<p>Recommended literature: Without the specification regarding the character of the dissertation thesis. The recommended literature is a part of the individual study plan of the doctoral student.</p>
<p>The language needed to pass the subject: Slovak combined with English (study literature in English)</p>
<p>Notes:</p>
<p>Subject classification: The dissertation examination is evaluated as a whole by the classification grade passed or not passed.</p>
<p>The overall number of classified students:</p>
<p>Lecturer: supervisor, the chairman of the examination committee and members of the examination committee</p>
<p>Last update: 31.03.2022</p>
<p>Approved by: Prof. Juraj Payer, MD, PhD, MPH, FRCP, FEFIM</p>

Course Information Sheets: Defence of the Dissertation Thesis

University: Comenius University Bratislava	
Faculty: Faculty of Medicine	
Subject code:	Subject Title: Defence of the Dissertation Thesis
Type, scope and method of educational activities: state examination, without a specification as it is the doctoral study degree	
Number of credits: 30	
Recommended semester/trimester of the study: in the full-time form the 8th semester at the latest, in the external form the 10th semester at the latest	
Study degree: 3rd grade	
Prerequisite subjects: Dissertation Examination	
<p>Conditions for the subject completion:</p> <ol style="list-style-type: none"> 1. The successful completion of all compulsory subjects and the other 2 compulsory elective subjects. 2. Realisation of the examination in the English Language, 3. Completed dissertation examination, 4. A doctoral student in the full-time and external form must be an author of a minimum of 3 scientific works 'in extenso'. A minimum of one work must be related to the dissertation work 	

thesis in the indexed journal as the first author. The scientific work in the indexed journal means that it is available in the databases WEB of SCIENCE, PUBMED or SCOPUS. The doctoral student must have a minimum of one work in the journal with the impact factor (minimum IF=0.5) as the first author or co-author. In the frame of FMCU, the only credible IF value we consider just the date, which comes from the Journal Citation Reports (JCR), which is the only one that the database Web of Science recognises.

5. Just those outcomes are taken into consideration that has been already published. It means not those which were just sent for publishing or accepted for publishing. In reasonable cases, it is possible to recognise one missing publication based on the acceptance list. It is also possible to recognise the publication which is already available on PubMed as 'ahead of print.'

6. Acquiring a minimum of 210 credits + 30 credits for acceptance of the dissertation thesis for defence

Evaluation of the subject runs in the state examination frame following the Study Regulations FM CU in Bratislava after submitting the dissertation work (as a final thesis). Assessment is standard and reflects sufficiently the student's orientation in the given issues. The conditions for successful subject completion are in concord with the Faculty of Medicine CU's Study Regulations.

Educational results:

The subject goal is to use the theoretical, methodological and applied knowledge of the doctoral study in the elaboration, subsequent defence of the dissertation thesis and completion of the doctoral study.

Concise subject structure:

It depends on the dissertation thesis. With the dissertation thesis, the student presents the ability and readiness for independent scientific and creative activity in the field of research or development or independent theoretical and creative activity. It shall be characterised by a high level of analysis and synthesis of knowledge and a good overview of existing professional literature. The work must be original, created by the author, following the rules for work with the information sources. The work must not have a plagiarism character and must not breach other authors' rights. The author is obliged to cite precisely used information sources, state names, and concrete results of other author teams' research by citing the relevant source to precisely describe laboratory results and terrain research of other authors or author teams. The citing technique is regulated by the given field's customs, respecting the relevant standards and norms.

Recommended literature:

It depends on the dissertation thesis. Without the specification regarding the character of the dissertation thesis. The recommended literature is a part of the individual study plan of the doctoral student.

The language needed to pass the subject:

Slovak combined with English (study literature in English)

Notes:

Subject classification:

The defence of the dissertation thesis is classified with the classification grade Passed or FX.

The overall number of classified students:

Lecturers: supervisor, the chairman of the examination committee and members of the examination committee

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