

REQUIREMENTS

Semmelweis University, Faculty of Medicine – single, long-cycle medical training Name of the host institution (and any contributing institution): Department of Pharmacology and Pharmacotherapy (Central Library)			
Name of subject: Könyvtári Informatika in English: Library Informatics in German: Medizinische Literatursuche Credit value: 3 Semester: 5. – 12. <i>(in which the subject is taught according to the curriculum)</i>			
Hours per semester: 10x3	Lecture: 30	Practical lesson: -	Seminar: -
Type of course: optional			
Academic year: 2025/2026			
Language of instruction (for optional and elective subjects): English			
Course code: AOVKPK1027_1A <i>(in the case of a new course, to be completed by the Dean's Office, following approval)</i>			
Course coordinator name: Péter Szluka (director) Course coordinator location of work, telephone availability: Central Library, +36208259963 Course coordinator position: Director Course coordinator Date and number of habilitation: June 2nd, 2001. 26/2001 (Prof. Dr. Péter Ferdinandy)			
Objective of instruction and its place in the curriculum: Teaching students how to use/search in literature sources of medicine, analyse the result of their work supporting the proper competencies			
Method of instruction (lecture, group work, practical lesson, etc.): digital e-learning - (guided) search exercises in databases, scientific, electronic, literature sources with VPN connection; scheduled consultation appointments during the course			
Competencies acquired through completion of course: After completing the course, the students will be competent to search for literature sources and assess their reliability. They will learn the basic types of publications, the different indicators of journals and the basics of evidence-based medicine (EBM). They will learn the citation practices expected in autonomous scientific works, the applications that help to edit and organize references quickly and flexibly.			
Course outcome (names and codes of related subjects):			
Prerequisites for course registration and completion: Medical Physiology II. / Medizinische Physiologie II. / (Introduction to Health Informatics (theory) II. / Einführung in pharmazeutische Informatik (Vorlesung) II. only available for the Faculty of Pharmacy) (Medical and Dental Physiology II. / Medizinische und zahnmedizinische Physiologie II. – only available for the Faculty of Dentistry)			

<p>In the case of multi-semester courses, position on the possibility of and conditions for concurrent registration:</p>
<p>The number of students required to start the course (minimum, maximum), student selection method: Registration via Neptun, min. number of participants: 10, max. number of participants: 150</p>
<p>Detailed course syllabus (if the course can be divided into modules, please indicate): <i>(Theoretical and practical instruction must be broken down into hours (weeks), numbered separately; names of instructors and lecturers must be listed, indicating guest lecturers/instructors. It cannot be attached separately! For guest lecturers, attachment of CV is required in all cases!)</i></p> <p>1st module/3rd week: Péter Szluka <i>Introduction, Central Library's website, VPN, general introduction of databases</i> Introduction, requirements VPN access, technical details, usage of mobile devices Homepage: https://lib.semmelweis.hu/ and its facilities Structure, function and critical approach of databases Criteria for a scientific journal; Types of publication, structure of scientific publication, content compliance, peer-review</p> <p>2nd module/4th week: Péter Szluka <i>AI tools, Plagiarism, Copyright, Scientific publications</i> Using AI tools in scientific papers. The concept of plagiarism, its different approaches Using previously published content for copyright purposes How to publish a paper, authors' instructions. Characterization of journals</p> <p>3rd module/5th week: Tamás Fi <i>Open Science, Open Access</i> The evolution of Open Access (OA) publishing Different types of OA publishing and their descriptions Introduction of DOAJ, Open Policy Finder databases Risks associated with OA publishing, critical analysis of OA sources OA publishing at Semmelweis University</p> <p>4th module/6th week: Dr. Livia Vasas, PhD <i>PubMed; Web of Science, Scopus</i> Basics of literature search National Library Medicine, Entrez- databases, PubMed, PMC, MeSH, PubChem Bibliographic item analysis Multidisciplinary bibliographic databases: Web of Science platform, Scopus – general search</p> <p>5th module/7th week: Edit Csajbók <i>Evidence Based Medicine</i> Introduction of EMBASE, Cochrane Library, UpToDate, TRIP databases</p> <p>6th module/8th week: Edit Csajbók <i>Specific databases; prestige of journals</i> EBSCO: CINAHL with Full Text, PsycINFO; EBSCO Discovery Service ProQuest Central Dissertation databases Quality/prestige of journals: Clarivate Analytics InCites JCR, SCImago (SJR), Scopus Sources (CiteScore)</p> <p>7th module/9th week: Anna Berhidi <i>Reference managers I.</i> EndNote online, EndNote desktop</p>

8th module/10th week: Anna Berhidi

Reference managers II.

Mendeley, Zotero

Practice of reference managers' word processor toolbar and Word, formatting

9th module/11th week

Consultation (on demand)

10th module/12th week

Consultation, final test to improve the grade

Other courses with overlapping topics (obligatory, optional, or elective courses) in interdisciplinary areas. To minimize overlaps, topics should be coordinated. Code(s) of courses (to be provided):

Requirements for attendance, options for making up missed sessions, and method of absence justification:

Participation in the program is not compulsory, but highly recommended in order to master the practice. The completion of post-module tests is recommended.

Assessment methods during semester (number, topics, and dates of midterms and reports, method of inclusion in the course grade, opportunities for make-up and improvement of marks):

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Post-module practical search exercises (in the form of 8 tests), at least 6 must be completed and will be graded from the total number of points at the end of the course.

There is a possibility to write the final test from the entire course material, where a minimum of 33 points is required in order to pass the course.

The scoring system indicates both the module tests and the final test:

0-32: fail (1),

33-45: pass (2),

46-57: fair (3),

58-64: good (4),

65-72: excellent (5)

The eight post-module tests (written exams) are based on the material of the given module on the day of the lecture.

The final written exam takes place on the same day as the 10th module. Topic: covers all the material studied in the entire course.

Number and type of individual assignments to be completed, submission deadlines:

Completion of practical tests after each module, the deadline for submission is the 6th day after the lecture

Requirements for the successful completion of the course:

Writing the post-module tests successfully (total score: min. 33 points) OR

Successful completion of a test (min. 33 points) on all the material at the end of the course.

Type of assessment:

term-grade (after the electronic tests)

Examination requirements (*list of examination topics, subject areas of tests, lists of mandatory parameters, figures, concepts and calculations, practical skills, optional topics for the project assignment recognized as an exam and the criteria for its completion and evaluation*):

The module topics correspond to the module tests and final test topics:

1. Website of Central Library, VPN
2. AI tools, Plagiarism, Copyright, Scientific publications
3. Open Science, Open Access
4. PubMed; WoS, Scopus
5. Evidence Based Medicine
6. Specific databases; Prestige of journals
7. Reference managers I.
8. Reference managers II.

Method and type of grading (*Share of theoretical and practical examinations in the overall evaluation. Inclusion of the results in the end-of-term assessment. Possibilities of and conditions for offered grades.*):

After the completion of the eight post-module tests, the student receives a grade based on the total points of the post-module tests.

The scoring system indicates both the module tests and the final test:

0-32: fail (1),
33-45: pass (2),
46-57: fair (3),
58-64: good (4),
65-72: excellent (5)

List of coursebooks, textbooks, study aids and literature facilitating the acquisition of knowledge to complete the course and included in the assessment, precisely indicating which requirement each item is related to (e.g., topic by topic) as well as a list of important technical and other applicable study aids; possibility of individual or group student consultation, if available:

Required literature:

The uploaded presentations and consultation materials for each module, which can be downloaded from the course interface in Moodle (<https://itc.semmelweis.hu/moodle/>).

SU Central Library's homepage: <https://lib.semmelweis.hu/>

PubMed: <https://pubmed.ncbi.nlm.nih.gov/>; <https://pubmed.ncbi.nlm.nih.gov/help/>

Web of Science and related products: <https://support.clarivate.com/ScientificandAcademicResearch>

Scopus: https://service.elsevier.com/app/answers/detail/a_id/14799/supporthub/scopus/

Scimago: <https://www.scimagojr.com/>

Cochrane: <https://www.cochranelibrary.com/>

OATD: <https://oatd.org/>

EndNote: <https://support.clarivate.com/Endnote>

Recommended materials:

Recordings of the lectures can be viewed on the Moodle interface of the course or on the Kultúra platform (<https://kultura.semmelweis.hu/>) on the Central Library channel (SeKA login required).

Mendeley: <https://www.mendeley.com>

Zotero: <https://www.zotero.org/>

Carrot2: <https://search.carrot2.org/#/search/web>

UpToDate: <https://www.wolterskluwer.com/en/solutions/uptodate/resources>

Google: https://support.google.com/websearch/?visit_id=638508497838069298-282292072&hl=en-HU&rd=2#topic=3378866

Google Scholar: <https://scholar.google.com/intl/en/scholar/help.html>

Dimensions: <https://www.dimensions.ai/why-dimensions/>

Technical background: Zoom application, Internet (university IP address/VPN access for students)
Signature of habilitated instructor (course coordinator) announcing the course:
Signature of the director of the host institution:
Date of submission: