2024/25 II. PhD intensive course
LITERATURE SEARCHING, EFFICIENT PUBLISHING STRATEGY
March 3-12 2025
Semmelweis University Central Library
Zoom
Syllabus

MODULES	Date
<u>1st module</u> **8.00-9.00** VPN access, Remote database access **9.00-13.15** The role of Artificial Intelligence in medical research, dissemination. Application of language models (ChatGPT, etc.) Semmelweis Knowledge Base Open Science, Open Access Introduction: Homepage of Central Library	**3rd March 2025** **Monday** 8.00-13.15 (breaks: 9.30-9.45, 11.15-11.45)
<u>2nd module</u> **8.00-13.15** Keywords for research topics, currently used sources Programme of the course, requirements, expectations Dissertation databases Catalogs: ebooks, journals, NLM….. Scientific journals: types of publications, structure of scientific publications Printed versus electronic edition, open access, video journal	**4th March 2025** **Tuesday** 8.00-13.15 (breaks: 9.30-9.45, 11.15-11.45)
<u>3rd module</u> **8.00-13.15** Reference managers: 8.00-9.30: For beginners: how to export and import records in EndNote (eg. from PubMed, Web of Science Core Collection, Scopus databases) 9.45-13.15: - EndNote online and EndNote desktop, - literature searching - data handling: creating groups, filtering duplicates - creating bibliography in Word based on the collected data of reference managers using Cite While You Write (CWYW) application - Mendeley, Zotero: export/import options, creating folders/groups, filtering duplicates, using web application, and Word plugins	**5th March 2025** **Wednesday** 8.00-13.15 (breaks: 9.30-9.45, 11.15-11.45)

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45 hours, 3 credits

4th module **8.00-12.15** EMBASE Evidence Based Medicine - Cochrane Library WHO homepage, International and Hungarian statistical data EBSCO: CINAHL with Full Text, PsycINFO; EBSCO Discovery Service	**6th March 2025** **Thursday** 8.00-12.15 (break: 10.00-10.15)
5th module **8.00-11.00** Editing MTMT datasheets, listing identifiers, organizing your own publications	**7th March 2025** **Friday** 8.00-11.00
6th module **8.00-13.15** Introduction of bibliographic and citation databases: Web of Science (Core Collection), Scopus, Dimensions, Google Scholar - Searching of bibliographic items and citations based on keywords - Value-added services Author IDs: Web of Science ResearcherID, Scopus ID, Google Scholar ID etc.	**10th March 2025** **Monday** 8.00-13.15 (breaks: 9.30-9.45, 11.15-11.45)
7th module **8.00-13.15** Journal quality, Scientometrics: Impact Factors (IF), SCImago SJR, CiteScore The basic of literature searching: National Library Medicine, Entrez-databases, PubMed, analysis of a record Registration - value added services, my NCBI, advanced search, Boolean operators, MeSH browser, PMC, PubChem etc. ProQuest Central Efficient publishing strategy	**11th March 2025** **Tuesday** (breaks: 9.30-9.45, 11.15-11.45)
8th module **8.00-12.15** Searching for information and scientific literature on the Internet. Exploration and usage of scientific internet resources: introduction to specific search engines; deep web exploration, application of meta- and graphical search engines, introduction to semantic search. Introducing Open Access bibliographic databases (Google Scholar, Semantic Scholar). Creating "toolkit" to interactive scientific communication; RSS, wiki, blog, Podcast and scientific file sharing (SlideShare, SlideServ), as well as demonstrating the usefulness of scientific social networking; ResearchGate, Publons ID, Academia.edu, MedShr etc. Discussion on the basic requirements (form and contents) of the final exam presentation with consultation The role of Artificial Intelligence in medical research, dissemination. Application of language models (ChatGPT, etc.)	**12th March 2025** **Wednesday** (break: 10.00-10.15)

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9th module **8.00-10.00** The time for consultation in relation to the presentation shown on the modules (online or personal attendance)	**13th March 2025** **Thursday**
Exam: PPT presentations (online or personal attendance)	**March-April 2025**

Prerequisite for 3 credit points:

- Preparation of a lecture (presentation) according to the following points (the structure, the order of the slides are freely chosen, but it must include the listed topics
- The finished presentation should be sent to the e-mail address of Dr. Lívia Vasas (vasas.livia@semmelweis.hu), no later than 4 working days before the exam
- 2 unsuccessful presentations after pre-selection cannot be assessed in Neptun
- 75% attendance is compulsory, absence from 3 modules is allowed
- Semmelweis University PowerPoint Template:

In order to download the English template of the University's presentation, visit the Semmelweis Brand & Marketing Directorate's website:

1.) https://semmelweis.hu/brand/arculat/sablonok/
2.) On the lower half of the page you will see two rows of white tabs.
3.) Click on the middle tab in the bottom row called "POWER POINT SABLON"
4.) Now you need to see the title "Power Point sablon (HUN / ENG)" with a white button right next to it titled "LETÖLTÉS".
5.) A ".zip" file will automatically be downloaded to your device.
6.) After decompressing the file you will see two folders. Choose the one titled "PPT Sablonok".
7.) Finally, choose the template named "ENG PPT".

I. Introduction

1. Presentation of the topic: little text, more pictures, indication of the source of the pictures
   - describe the theme in their own words and present images of their own choice, indicating the sources
   - then use any artificial intelligence application and present a prompt used to generate text and an image
2. Graduation requirement - imaginative representation not copying
3. Keywords on the topic
4. Search for dissertations (OpenDissertations, OATD)

II. Literature search in key sources

1. WoS
2. Scopus
3. PubMed (Setting Standard and Custom Filters)
4. PsycINFO, CINAHL, and ProQuest - use if you are hoping for new results on the topic
Tabulate the results and evaluate them from 1 to 5

III. Open Access resources

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Main OA databases;
1. Google Scholar
2. Semantic Scholar

Tabulate the results and evaluate them from 1 to 5

Specific OA sources
1. DOAJ
2. ScienceOpen
3. Dimensions
4. Carrot2 (comparing the graphical results of PubMed and Web Search)
5. Paperity
6. Deepdyve
7. The Lens
8. CORE
9. BASE

Tabulate the results and evaluate them from 1 to 5

Topic related OA databases
1. ERIC
2. PubPsych, PubChem
3. FSTA… etc.

Tabulate the group separated search results and compare databases by quality and quantity.

IV. Special Resources and Relevant Resources Used in Your Topic

1. Presentation of Trip database, MedWorm, WHO, International and Hungarian statistical data
2. Video splitters, and JOVE
3. Lectures (SlideShare: login, language setting (English), SlideServe PPT search… etc.)
4. Scientific mobile applications; e.g. ScienceJournal, Elsevier Conferences, Research Tool, Arduino Journal, etc.
5. Own topic sources, other databases you use
6. In the presentation, present statistical data related to your topic, based on the statistical sources presented.

V. Publishing strategy, journal analysis

1. JANE
2. Master Journal List Match Manuscript
3. Elsevier JournalFinder

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VI. Bibliometrics

- JCR (presentation of 3-4 year trends of several selected journals) based on the steps on the slides of the presentation of the lecture 16-20
- SCIMAGO
- Scopus Sources, Scopus CiteScore

VII. Reference managers

EndNote or Zotero or Mendeley… etc. demonstration of active use, at least 100 items (formation of deduplication groups)

VIII. Active use of scientific community sites (author IDs)

1. ResearchGate - key social networks
2. Mendeley
3. Google Scholar
4. ORCID
5. ResearcherID

IX. Presentation of the MTMT data sheet, uploading at least 3 author IDs (link to your own interface)

X. Experiences, suggestions, summary