NTK and your Extended Essay

Doing Research and Creating Bibliographies

PORG, 20.3.2015, 10.30-12.00

Today (10.30-12.00)

• Doing Research: What is means and how it fits with your Extended Essay

Key Skills in Context:
• What is an academic journal?
• How can I find an academic journal or book?
• What can I do from home? On a computer and on mobile devices?
• When do I have to go to the library?
• How do I write a bibliography? What kind of tools are there to help me?
• What is plagiarism and how do I avoid it?
• “Hands on” Exercises
Overview

- Research on your subject is the first step in the process of writing your Extended Essay
- The open web is full of information, but many “serious” materials exist elsewhere. You must use these when creating a good Extended Essay
- Use of library resources makes this easier, because they are peer-reviewed and
  - GoogleScholar is o.k., but you should activate the links to libraries to make it easier to get the full-text quickly and easily
- Now that you are registered in the library, you can easily find resources from home. Today we will tell you how and what you can expect to find
- Everything that you learn today you can use in your future university work

Characteristics of Peer-Reviewed Sources

- “Serious” appearance
- Typically written by academic authors (professors and others)
- Almost no commercial advertisements
Example: What is an academic journal?

- Go to: [www.techlib.cz](http://www.techlib.cz)
- Login (top right)
- Search for: railways in central europe
- Refine Your Search: 1. Items with full-text online 2. Limit to articles from scholarly publications, including peer-review
- Example: “Extreme weather impacts on freight railways in Europe” 1. Click on Full Text Online 2. Click on View Article
- Note the typical structure – References are especially helpful in finding other articles on your topic
- Note: you can find articles in other languages

Comparison of finding books using library v. GoogleScholar

- Search for: elbe ecology (in main search box)
- Refine Your Search: 1. Items with full-text online 2. Limit to books/eBooks
- Example: “Rivers of Europe” 1. Click on: Full Text Online 2. Click on: Elsevier ScienceDirect Books 3. Note Table of Contents; you can easily scan content
- Open a new browser or tab
- Do the same search in GoogleScholar; first, make sure you include libraries in your settings! This is very important: 1. scholar.google.com 2. Settings 3. Library links 4. NTK 5. Save; then: 1. Search for: elbe ecology 2. Follow the link: Zizkat v NTK (SFX) 3. You will then be able to access the full-text via Elsevier ScienceDirect Complete
  - Note: GoogleScholar is good for articles, but not as useful for full-text eBooks; the library has a good eBooks collection
Finding Academic Books in the Library

- Go to techlib.cz
- Search for: dictionary of engineering
- Refine Your Search: 1. Limit to books/eBooks 2. Language: German
- “Real” books are very trustworthy (even more than Wikipedia) – especially dictionaries and encyclopedias are useful
- Questions?

Remote Access

- Work from home or elsewhere, whenever you want
- Important: you need the username and password you got when you registered
- Login first
- …then search for things

- Note other features of registration
How do I write a bibliography?

- Many examples online:
  - http://www.studis-online.de/Studieren/Wissenschaftliche_Texte/literaturverzeichnis.php
  - http://www.uni-ak.ac.at/culture/culth_LV/Rein-EkwA/Literaturverzeichnis.pdf
  - https://www.youtube.com/watch?v=iV1E8nAQP1Q
- Use of library resources makes creating a bibliography easier. Why?
  - You can export citations from the library resources and don’t have to type them again (!)
  - You can save citations in a “citation database” using citation database software. That makes it easier to: 1. Insert citations into your paper in Word while you write and 2. Automatically generate the bibliography when you are done writing the main body of the paper

Where can I find citation management software?

- Zotero is free and user-friendly
- Today we don’t have enough time, but try it at home:
  - Download Zotero: https://www.zotero.org/download/
  - Read the documentation and watch the videos – Czech versions available
- You can also use Mendeley – it has better mobile device integration
  - Create an account: http://www.mendeley.com
  - Download Mendeley Free and app
  - Video tutorials: http://www.mendeley.com/videos-tutorials/
  - More information: http://resources.mendeley.com/
Let’s practice exporting citations

- www.techlib.cz
- Search: beer brewing czech republic
- Items with full text online, Limit to scholarly publications, journal articles
- “Beer branding in British and Czech companies: a comparative review”
- Full Text Online
- Blue Toolbar: go to Export/Save, PDF
- You can import such a PDF into Zotero or Mendeley, and its related citation information will automatically be imported into your citation database
- Different resources have different export possibilities; another example…

Let’s practice exporting citations

- Go back to your search results (beer brewing czech republic)
- “Determination of ochratoxin A in brewing materials and beer by ultra performance liquid chromatography with fluorescence detection”
- Full Text Online
- Note: it’s a new database! (here: ScienceDirect)
- Export Directly to Mendeley, for example
- Questions?
Thank you/summary of important things

- [techlib.cz](http://techlib.cz) or [techlib.cz/en](http://techlib.cz/en)
- FB: [https://www.facebook.com/ntkcruz](http://https://www.facebook.com/ntkcruz) (CZ and EN)
- Twitter: [https://twitter.com/ntkcruz](http://https://twitter.com/ntkcruz)
- Email, call, or stop by any time
- Discussion and activity