RBS710
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Librarian
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The assignment:

“acquire knowledge about topical questions and problems within the subject”

“acquire scientific information relevant for the subject field” (from the course syllabus)

• To find articles for your seminars
• To start looking for articles relevant for the topic of the project report
Literature seminar

Search, find and read a relevant article

Prepare a discussion and focus on relevant parts of the article, i.e. research questions (see the movie How to read a scholarly article https://www.youtube.com/watch?v=3SmOq6gENPM&feature=youtu.be&list=PLqBQmg51Fnl0krkyd2VnrjyGcb4ZXB_z)

Written report

Project description, the report, presentation of the report, written and oral opposition
The information search process

<table>
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<th>Model of the Information Search Process</th>
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<tr>
<td>Initiation</td>
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<tr>
<td>Uncertainty</td>
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**Feelings (Affective):**
- Uncertainty
- Optimism
- Confusion
- Frustration
- Doubt
- Clarity
- Sense of direction / Confidence
- Satisfaction or Disappointment
- Sense of accomplishment

**Thoughts (Cognitive):**
- vague
- focused
- increased interest
- Increased self-awareness

**Actions (Physical):**
- seeking
- relevant Exploring
- information
- seeking
- pertinent Documenting
- information

Kuhlthau, 2004
The library

Search for books, articles and more

Books from other libraries - LIBRIS

Broaden your search in Google Scholar

Write the title or subject

Databases | Journal list | Dictionaries | E-books | DiVA

IEEE

Science direct
What is scientific material?

• Scientific Journals / Academic Journals / Scholarly Journals
• Doctoral thesis / Dissertation (Licentiate thesis)
• Conference proceedings
• Scholarly books
How evaluate…?

Peer review - peers, specialists are reviewing articles before publishing

CRAP-test

Other things: Editorial board, reputation of the journal, length of existence, the journals’s impact factor
CRAP-test

Currency -
Reliability -
Authority -
Purpose/Point of View -

Molly Beestrum and Kenneth Orenic, two librarians from Dominican University
What is impact factor?

-One way to evaluate a scientific journal.

The journal Impact Factor is the average number of times articles from the journal published in the past two years have been cited in the Journal Citation Reports (JCR) year:

Cites to recent items (2013-14) \( \frac{159}{191} = 0.832 \)
Number of recent items \( 191 \)
doi: Digital Object Identifier

Scientific article

• Abstract
I - Introduction
M - Method
R - Result
a - and
D - Discussion
• References

Original paper = research article. A scientific article could also be a review of many other articles.
Search techniques

• Truncation * robot* = robots, robotic, robotics ……..

• Phrase ” ” ”robotic arm”

• Boolean operators AND OR NOT

• Use the opportunities or limitations in the databases, look especially for **keywords** and subjects

• Search history
Save articles and search lists

• Reference software: EndNote Online, Mendeley, Zotero, RefWorks. Build up your library. Import your references into your text.

• In every database: Make an account and save your lists of articles

• Save articles or make lists of interesting references. Save your best search terms.