Course introduction
Scientific Information Management course

EMMA-LISA HANSSON - SPRING 2018
Course introduction

1. Course introduction and course assessment

2. Library and information services at Lund University

3. Search information: Basics

4. Group discussions
Lectures

- Search basics
- Databases & search strategies
- Citation searching & current awerness
- Bibliometrics by Mikael Graffner
- LUBsearch & Internet. Database evaluation/preparing for database presentation
- Database presentations
- Managing Research Data – an introduction by Maria Johnsson
- Scientific communication by Jörgen Eriksson
- Copyright issues by Aurelija Lukoseviciene
- Reference management
- Patent information and sources by Per Mercke
- Final seminar
Dates for the course

- Lectures 13 February – 22 March
- Database presentations 28 February
- Individual project work & Data management plan (group), deadline 3 April
- Final Seminar, 24 April & 25 April
- Course web page: http://libguides.lub.lu.se/SIM
About important tasks (course assessment)

• Every group will prepare questions for guest lecturers
  Please send to Emma-Lisa Hansson one week before the lecture

• Database presentations
  - Group presentations, 28 February.
  Each participant must give a problem-oriented oral presentation and evaluation of a database, based on given criteria and on her/his information need.

• Data management plan
  - Group task, deadline 3 April 09:00
  Each group should select a research project, fictive or real project, and create a data management plan with help of a data management template.

• Individual project
  - Individual writing and presentation
  Each participant should also give a written and an oral presentation of an individual project. In the individual project each participant should analyse information structures, and patterns of communication within her/his research field. The analysis should be based on research literature and/or other information sources with a quality check. The time set aside for the project work is approximately one week. The project is to be presented in a written report and by an oral presentation in class.
Course assessment Task 1: Database presentation

• In this exercise you should examine advantages and drawbacks of a database. The idea is to train your ability to assess and make use of different tools of information retrieval in the future. Your object is to check a bibliographic database in your research area and to give a short oral presentation (10-15 min) of a selected database.

• Look specifically at:
  Covered areas regarding subjects, sources, and time span
  Bibliographical fields that can be searched
  Tools for selecting and sorting information
  Search engine facilities, i.e. thesaurus/index, (automatic) truncation…
  Format functions in saving, printing, and alerts, tutorials, help functions…

• Timetable:
  Database evaluations/preparation: 26th February 13-16
  Database presentations group-wise: 28th February 13-16
Course assessment
Task 2: Data management plan

• The goals of the project work are:

To learn how to establish a data management plan as part of the research application process. To reflect on the different data life cycle phases the research data will go through during the project.

To reflect on the different aspects of research data management in general. This means that you should: Select a research project, fictive or real project. Create a data management plan for the selected project with help of the template. Reflect on your impressions of creating a data management plan, some further questions in the template.

• Timetable:
  Deadline 3rd April 9:00
The time for this individual project work is approximately one week (3-5 days, depending on your level of activity during the scheduled course activities). Present in a written report and by an oral presentation in class.

• The goals of the project work are:

  - To reflect on information retrieval tools, information structures and strategies within your research field. To analyze communication/publication channels covering your area of research. To train your ability in communicating matters on information management. This means that you should:

  - Formulate a basic information search strategy for your research field
  - Select information retrieval tools (bibliographical databases, Internet tools…) covering your area of research. Describe and discuss your selection of information retrieval tools
  - Reflect on the quality of and relevance of the information sources found using these tools
  - Identify the important channels for scholarly communication in your research field (journals, conferences…), and motivate your selection of channels

  Refer to at least one book or article covered by the course. Write a report, 5-10 pages, send it by e-mail (pdf-file) to Emma-Lisa Hansson. Include references in a standard style (Harvard, IEEE…) to scholarly literature about information resources, information seeking, strategies. Use a reference management system for organizing your references, i.e. EndNote or RefWorks. Make an oral presentation of your report/project, around 15 minutes. Read a report of one your fellow course participants and give feedback.

  Comment on one thing that you liked and/or found particularly interesting - prepare one question

• Timetable:

  Deadline projects: Deadline 3rd April 9:00
  Project presentations/Final seminar: 24th April 9-12 (first group), 25th April 13-16 (second group)
Library & information services at Lund University

• Webpages:
  http://www.lth.se/english/
  http://www.bibliotek.kc.lu.se/english/
  https://www.lub.lu.se/en/

University Library network – about 25 libraries (Lund, Helsingborg, Malmö)
The Faculty of Engineering libraries are (LTH Libraries):
• Civil Engineering Library
• Library of Architecture and Design
• Library of E-huset
• Study Centre Library

Libraries that are shared between the Faculty of Engineering and the Faculty of Science:
• Library of Chemistry and Chemical Engineering
• Library of Mathematics
• Physics and Astronomy Library
Library & information services at Lund University

• **LOVISA catalogue & LUBsearch & LIBRIS** (what is the difference and why so many search systems?)

• **Research Portal** (LU research repository) - Find researchers, research outputs (e.g. publications), projects and units at Lund University. [http://portal.research.lu.se/portal/en/](http://portal.research.lu.se/portal/en/)

• **Borrow books & library card**

• **Interlibrary loan**

• **Subject guides** [http://www.lth.se/english/library/subject-guides/](http://www.lth.se/english/library/subject-guides/)

• **Research support** (custom made lectures, publishing support and more)

• **Contact and opening hours** [http://www.lth.se/english/library/contact-and-opening-hours/](http://www.lth.se/english/library/contact-and-opening-hours/)
Please introduce yourself to the other course participants

- Name
- Background
- Research area
- When did you start your postgraduate studies?
- Group number

Name signs