Scientific Information Management, 3 higher education credits, GEM045F

Assessment and course activities

To pass the course the following should be fulfilled:

- **Participation**
  To pass the course 80% participation in scheduled course activities is required.

- **Task 1: Data Management Plan**
  Each group should select a research project, fictive or real project, and create a data management plan with help of a data management template.

- **Task 2: Individual project**
  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.

- **Mandatory:**
  **Workshop** – report draft seminar
  - 4th October
  **Final seminar** – oral presentation of individual project
  - Nov 15\textsuperscript{th} 10:00-12:00
  - Nov 19\textsuperscript{th} 10:00-12:00
  - Nov 20\textsuperscript{th} 13:00-15:00
Task 1: 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 24th October 9:00
Task 2: Individual project

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). The project is presented in a written report and by an oral presentation in class:

- Write a report, 5-10 pages, and 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 any other reference management program
- 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

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:

- Give a short presentation of one of the bibliographical databases used in your search. Asses it’s advantages and possible drawbacks, focusing on:
  - 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 or help functions.
- Present the process of and results from your database and citation searches (keyword matrix, search protocol etc.). This can be based on the exercises done in class (lecture 2 and 3).
- Discuss the obstacles and solutions encountered during these searches, and asses the outcomes in terms of the quality and relevance of the information sources found.
- Identify the important channels for scholarly communication in your research field (journals, conferences…), and motivate your selection of channels, taking into account both their prestige and the open access opportunities they offer. This can be based on the exercises done in class (lecture on Scientific Communication & Bibliometrics).
- Refer to at least one book or article covered by the course.

Timetable:

Deadline projects: 24th October 9:00

Project presentations/Final seminar:
15th November 10:00-12:00 (first group)
19th November 10:00-12:00 (second group)
20th 13:00-15:00 November (third group)