LI2116 Scientific Publishing, Information Retrieval and Bibliometrics 3.0 credits

Vetenskaplig publicering, information retrieval bibliometri

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for LI2116 valid from Spring 2013

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Technology and Learning

Specific prerequisites

Started studies on master's level

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

On completion of the course, the student should be able to

account for the history and present-day structuring of scientific communication;

critically describe and analyse different publishing models from a subject-specific perspective;

critically account for and discuss basic bibliometric methods for evaluation and description of research;

critically account for and discuss different evaluation and ranking systems of research from an engineering science perspective;

describe structure, indexing and structuring in scientific reference databases;

apply a number of known algorithms within information retrieval;

use relevant tools for processing the results and

apply good citation practice.

Course contents

After the course, the student should be familiar with the most important ingredients of the structure of scientific communication and how these can be used to improve the student's own publishing strategy.

Course literature

Current literature list is posted on the course web page, in Bilda or KTH Social before the start of the course.

Furthermore, relevant literature is added dependent on the choice of written assignments

Examination

- INL1 - Exercises, 3.0 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.