



Information Literacy and Scholarly Communication, 3 higher education credits

Preliminary

Doctoral level

General

The course is given to doctoral students within the technology field.

Learning outcomes

The student will:

- Give an account for the infrastructure of scholarly communication.
- Describe different ways of evaluating science.
- Develop a publication strategy.
- Formulate an adequate search strategy within the student's research area.
- Explain the principles of searching in bibliographic databases and manage their functionalities.
- Set up search profiles for alerts in bibliographic databases.
- Search free patent databases on a basic level.
- Manage references using the reference management software EndNote.

Contents

- Scholarly publishing
- Scholarly publication types
- Peer review
- Open Access
- Copyright
- Bibliometrics
- Publication strategy
- Search strategies
- Generating keywords
- Search results evaluation
- Bibliographic databases
- Alerts
- Patent search
- Reference management with Endnote

Teaching and examination

The teaching will take the form of lectures, seminars and workshops. The examination will be individual and based on home assignments, oral presentations, and a concluding written assignment. Passing grades used are passed or failed.

Prerequisites

The course is open for students accepted for the doctoral course.

Literature

Carlsson, H. (2009). Allocation of Research Funds Using Bibliometric Indicators–Asset and Challenge to Swedish Higher Education Sector. *Infotrend*, 64(4), 82-88. Retrieved from http://ub016004.ub.gu.se/bitstream/2077/21811/1/gupea_2077_21811_1.pdf

Knight, LV, & Steinbach, TA. (2008). Selecting an Appropriate Publication Outlet: A Comprehensive Model of Journal Selection Criteria for Researchers in a Broad Range of Academic Disciplines. *International Journal of Doctoral Studies*, 3, 59-79. Retrieved from <http://ijds.org/Volume3/IJDSv3p059-079Knight84.pdf>

Oppenheim, Charles. (2008). Electronic scholarly publishing and open access. *Journal of information science*, 34(4), 577-590. Retrieved from <http://login.bibl.proxy.hj.se/login?url=http://jis.sagepub.com/content/34/4/577.abstract>

Pendlebury, David. (2009). The use and misuse of journal metrics and other citation indicators. *Archivum Immunologiae et Therapiae Experimentalis*, 57(1), 1-11. Retrieved from <http://login.bibl.proxy.hj.se/login?url=http://www.springerlink.com/content/66561772n6638841/>

Rabow, Ingegerd. (2007). Copyright for researchers. Retrieved from <http://www.searchguide.se/oa/eng/?p=68>

Rumsey, S. (2008) *How to find information: A guide for reserarchers*. (2. ed.) Maidenhead: Open University Press.

Ware, M. (2008). *Peer review: benefits, perceptions and alternatives*. Retrieved from <http://www.publishingresearch.net/documents/PRCsummary4Warefinal.pdf>

Weingart, Peter. (2005). Impact of bibliometrics upon the science system: Inadvertent consequences? *Scientometrics*, 62(1), 117-131. Retrieved from <http://login.bibl.proxy.hj.se/login?url=http://www.springerlink.com/content/n230368327140061/>

Preliminary schedule

Date	Time	Room	Lecturer
Tue 15/3	9-12	C2032	Stefan Carlstein
Tue 22/3	9-12	C3028	Mattias Lorentzi
Wed 30/3	9-12	C3028	Mattias Lorentzi
Tue 5/4	9-12	C3028	Mattias Lorentzi
Tue 12/4	9-12	C3028	Stefan Carlstein