



## Information literacy and scholarly communication, 3 higher education credits

*Informationssökning och vetenskaplig kommunikation, 3 högskolepoäng*

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<b>Education cycle:</b>	Third-cycle education
<b>Disciplinary domain:</b>	Industrial Product Realisation
<b>Subject area:</b>	-
<b>Syllabus valid from:</b>	Course syllabus reviewed by RUF 20121019, established 20130124 by the dean (vd-beslut 2013/008)

### Learning outcome

On completion of the course, the doctoral student should:

#### *Knowledge and understanding*

- demonstrate understanding for the peer review process of scholarly journals

#### *Skills and abilities*

- demonstrate ability to define an information need and to formulate an adequate search strategy for a chosen research question
- demonstrate skills to effectively search publications in bibliographic databases from a self-formulated search strategy
- demonstrate skills to search patents in a free patent database on a basic level

#### *Judgement and approach*

- demonstrate ability to make a relevant selection among retrieved publications based on established criteria
- demonstrate ability to select one or several journals for their own publication and motivate the choice on the basis of the selection criteria treated in the course and be able to evaluate them by using bibliometric indicators
- demonstrate ability to formulate an appropriate publication strategy for increasing dissemination with the help of databases treated in the course

### Content

The first part of the course aims to provide an increased awareness of the information searching process: definition of search strategy, searching databases and selection of retrieved publications. Also, an introduction to patent searching is included. The second part gives an overview of the development of scholarly communication with a focus on scholarly journals and peer review. The student will also gain knowledge to develop a publication strategy with emphasis on choice of journal, open access and bibliometrics.

The course includes the following contents:

- The information searching process
- Search strategy
- Bibliographic databases
- Evaluation of resources
- Setting up publication alerts
- Introduction to patent searching in Espacenet
- Development of scholarly communication
- Peer review

- Open access
- Copyright
- Bibliometrics
- Publication strategy

### **Type of instruction**

The teaching consists of lectures, workshops and exercises. The course is given in English.

### **Prerequisites**

Admitted to third-cycle programme at The School of Engineering.

### **Examination and grades**

The examination is based on written assignments. Passing grades used are passed or failed.

<b>Name of the test</b>	<b>Value</b>	<b>Grading</b>
Assignment	3 hec	U/G

### **Course literature**

Jönköping University Library (2011). "Publishing and copyright". Retrieved from:

<http://hj.se/bibl/en/publishing>

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/>

Rumsey, S. (2008) *How to find information: A guide for researchers*. (2. ed.) Maidenhead: Open University Press. Retrieved from <http://login.bibl.proxy.hj.se/login?url=http://site.ebrary.com/lib/jonhh/docDetail.action?docID=10229839>

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/>

See course outline for additional literature.