



## COURSE SYLLABUS

# Systematic Searches and Scholarly Publishing, 3 credits

*Systematisk sökning och vetenskaplig publicering, 3 högskolepoäng*

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<b>Course Code:</b> FTSVP33	<b>Education Cycle:</b> Third-cycle level
<b>Confirmed by:</b> Dean Apr 20, 2023	
<b>Valid From:</b> Apr 1, 2023	
<b>Version:</b> 1	

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### Intended Learning Outcomes (ILO)

On completion of the course, the doctoral student should

Knowledge and understanding

- demonstrate understanding for a structured and systematic approach to the literature searching process
- demonstrate understanding for the landscape of scholarly publishing

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 chosen 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 appropriate indicators
- demonstrate skills to formulate an appropriate publication strategy

### Contents

The first part of the course aims to provide an increased awareness of a structured information searching process: how to plan, conduct and report searches for a literature review. An introduction to patent searching is included. The second part gives an overview of the development of scholarly publishing with a focus on scholarly journals and peer review. The student will gain knowledge to develop a publication strategy with emphasis on choice of journal, open access and bibliometrics.

- Literature review types
- The literature searching process

- Library databases
- Introduction to patent searching
- Development of scholarly communication
- Peer review
- Bibliometric indicators
- Publication strategy

### **Type of instruction**

The teaching consists of lectures, workshops and exercises.

The teaching is conducted in English.

### **Prerequisites**

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

### **Examination and grades**

The course is graded Fail (U) or Pass (G).

Registration of examination:

Name of the Test	Value	Grading
Assignment	3 credits	U/G

### **Course literature**

Systematic Searches and Scholarly Publishing

Booth, A., Sutton, A., & Papaioannou, D. Systematic approaches to a successful literature review (Second ed.). Los Angeles: Sage. (latest edition)

See courses outline for additional literature (articles).