COURSE SYLLABUS
Information Literacy and Scholarly Communication, 3 credits

Informationssökning och vetenskaplig kommunikation, 3 högskolepoäng

Course Code:	FTIVK33	**Education Cycle:**	Graduate level
Confirmed by:	Dean May 28, 2018		
Revised by:	Associate Dean of Doctoral Programmes Aug 26, 2019		
Valid From:	Aug 26, 2019		
Version:	3		
Reg number:	2019/094		

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 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 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 bibliometric indicators
- demonstrate skills to formulate an appropriate publication strategy for increasing dissemination with the help of databases treated in the course

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. 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:
- Literature review types
- The literature searching process
- Assessment
- Reporting
- Library databases
- 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 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).

The examination is based on written assignments and active participation during seminars.

Registration of examination:

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

Course literature

Information Literacy and Scholarly Communication

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

See course outline for additional literature.