



Course syllabus

Faculty of Arts and Humanities

Department of Cultural Sciences

1BV305 Vetenskaplig kommunikation och bibliometri, 7.5 credits
Scientific communication and bibliometrics

Main field of study

Library and Information Science

Subject Group

Library and Information Science

Level of classification

First Level

Progression

G1F

Date of Ratification

Approved by Faculty of Arts and Humanities 2022-06-17
The course syllabus is valid from spring semester 2023

Prerequisites

30 credits of library and information science.

Objectives

After completing the course, the student should be able to

- present and describe different perspectives on and relevant issues within the field of research communication
- discuss the role and function of libraries in research communication
- describe bibliometrics as a subfield in library and information science, and use basic bibliometric concepts, methods, and theoretical points of view
- relate libraries' bibliometric activities to publication and evaluation, as well as critically review these activities.

Content

This course discusses general structures for research communication, focusing in particular on development of publication strategies and matters of open access. Special focus lies on bibliometrics as a theory and as a practical tool for evaluating research. The course discusses two main areas: research communication and bibliometrics. Current issues and problems pertaining to research communication are discussed from economic, social, and political perspectives. Focus lies on libraries' role as an actor in

the field. The course also problematises the consequences of digitalisation for research communication, from a historical as well as a contemporary perspective.

The course furthermore serves as an introduction to bibliometrics as an academic subfield within library and information science, and as a practical tool for research libraries. In this context, the theories and methods of bibliometrics, as well as practical questions and questions of principle pertaining to the use of bibliometrics as a tool for evaluation are discussed.

Type of Instruction

Teaching is delivered in the form of lectures, seminars, and laboratory sessions, using digital tools. Lectures and assignments are available on the course learning platform. As a general rule, the language of instruction is Swedish, but English or other Scandinavian languages may also be used.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

The course is examined through an individual written assignment (assessed with Fail–Pass with Distinction) of 4.5 credits, and laboratory sessions of 3 credits (assessed with Fail–Pass) In order to receive the grade of Pass with Distinction for the whole course, the student must have received this grade for the individual written assignment. In order to receive the grade of Pass, the student must have achieved the course objectives. Grading criteria for the grade of Pass with Distinction will be communicated in writing when the course starts.

Resit examination is offered in accordance with Local regulations for courses and examination at the first and second-cycle level at Linnaeus University. If the university has decided that a student is entitled to special pedagogical support due to a disability, the examiner has the right to adapt the exam or to let the student conduct the exam in an alternative way.

Course Evaluation

During or shortly after the course, a course evaluation should be conducted. The result and analysis of the course evaluation should be promptly communicated to the students who have taken the course. Students who are taking the course when it is offered the next time should be informed of the result at the course introduction. The course evaluation is anonymous.

Required Reading and Additional Study Material

De Bellis, Nicola. (2009) *Bibliometrics and citation analysis: From the Science Citation Index to cybermetrics*. Lanham, MD: Scarecrow Press. ISBN 9780810867130. In selection, 300 pages (Chapters 1–3, Section 4.1, Chapters 5–8).

Broström, Anders, Ekman, Marianne, Geschwind, Lars, Lindgren, Monica & Packendorff, Johann (2021). *Prestationsbaserad styrning i akademien: instrumentalisering i tidsanvändning, identitet och professionalitet*. Göteborg: Makadam förlag. ISBN 9789170613418. 48 pages.

Cabanac, Guillaume. (2016). Bibliogifts in LibGen? A Study of a Text-Sharing Platform Driven by Biblioleaks and Crowdsourcing. *Journal of the Association for Information Science & Technology*, 67(4), 874–884. <https://doi.org/10.1002/asi.23445>. 10 pages.

De Silva, Pali U. K. & Vance, Candance K. (the latest edition). *Scientific scholarly communication: the changing landscape*. Cham: Springer. ISBN 9783319506272. 140 pages.

Fecher, Benedikt. & Sascha Friesike. (2014). Open Science: One Term, Five Schools of Thought. In: Bartling & Friesike (eds.) *Opening Science*. Springer, Cham. https://doi.org/10.1007/978-3-319-00026-8_2. ISBN 9783319000268. 32 pages.

Haider, Jutta & Åström, Fredrik (2017). Dimensions of trust in scholarly communication: Problematizing peer review in the aftermath of John Bohannon's 'Sting' in science. *Journal of the Association for Information Science and Technology*, Vol 68 (2), 450–467. <https://doi.org/10.1002/asi.23669>. 16 pages.

Hammarfelt, Björn & Rushforth, Alexander (2017). Indicators as judgment devices: An empirical study of citizen bibliometrics in research evaluation. *Research Evaluation*, 3(1), 169–180. <https://doi.org/10.1093/reseval/rvx018>. 11 pages.

Hammarfelt, Björn (2011). Citation analysis on the microlevel: The example of Walter Benjamin's Illuminations. *Journal of The American Society For Information Science And Technology*, 62(5), 819–830. <https://doi.org/10.1002/asi.21504>. 11 pages.

Hammarfelt, Björn. (2018). Från sorterandets logik till mätandets praktik: Bibliometrin och forskningsbibliotekens framtid. In: Joacim Hansson & Per Wisselgren (eds.), *Bibliotekarier i teori och praktik: Utbildningsperspektiv på en unik profession* (pp 149–167). Lund: BTJ Förlag. 18 pages.

Lindgren, Lena. (2014). *Nya utvärderingsmonstret: om kvalitetsmätning i den offentliga sektorn*. (2nd ed.) Lund: Studentlitteratur. ISBN 9789144088945. 147 pages.

Relevant reviews and reports in the field of research communication, ca 100 pages. Specified when the course starts.