Linnæus University

Jnr: 2018/3068-3.1.2.2

Course syllabus

Faculty of Arts and Humanities
Department of Cultural Sciences

2BO325 Biblioteks- och informationsvetenskap: vetenskaplig kommunikation och bibliometri, 7,5 högskolepoäng

Library and Information Science: Scientific Communication and Bibliometrics, 7.5 credits

Main field of study
Library and Information Science

Subject Group
Library and Information Science

Level of classification
First Level

Progression
G2F

Date of Ratification
Approved 2012-08-15
Revised 2018-10-30 by Faculty of Arts and Humanities. Revised objectives, contents and literature.
The course syllabus is valid from spring semester 2019

Prerequisites
In order to be admitted to the course the student must have received the grade of Pass on at least 22.5 credits in total in the courses 1BO305 Library, user and society III, 1BO315 Knowledge organization III, 1BO310 Pedagogics and Learning II, 1BO320 Methodology II, or their equivalents.

Objectives

After completing the course, the student should be able to:

- account for various perspectives on and current issues in the field of scholarly communication,
- discuss the roles and functions of libraries in scholarly communication,
- describe bibliometrics as a sub-field in library and information science,
- account for its basic concepts, methodology and theoretical approaches,
- critically review libraries' bibliometric activities and relate them to publishing and evaluation.

Content

This course discusses two main areas: scholarly communication and bibliometrics. Current issues and problems concerning scholarly communication are discussed from economic, social and political perspectives, with a special focus on the role of libraries. The course problematises the consequences of digitalisation for scholarly communication from contemporary and historical perspectives.

The course also includes an introduction to bibliometrics as a field in library and information science and as a practice for research libraries. This includes discussions of the theories and methods of bibliometrics, as well as concrete issues and principles concerning the use of bibliometrics as a tool for evaluation.

Seminar exercises and laboratory sessions are compulsory.

Type of Instruction

Teaching is delivered in the form of lectures, seminars and practical laboratory sessions. In the distance version of the course, lectures and seminars are available on the online learning platform.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).
The course is examined through compulsory seminars and a written assignment. In order to receive the grade of Pass, the student must achieve the objectives. Grading criteria for the grade of Pass with Distinction will be specified when the course starts. For students who do not pass the first examinations, retake examinations are provided in accordance with local regulations at the university.

Course Evaluation

At the end of the course, a course evaluation is conducted. Results and analysis of the course evaluation are communicated to the students who have taken the course and the students who are taking the course when it is offered the next time. The evaluation is anonymous. The course evaluation is filed according to departmental regulations.

Required Reading and Additional Study Material

Required Reading

De Bellis, Nicola. (the latest edition) *Bibliometrics and citation analysis: From the Science Citation Index to cybermetrics*. Lanham, MD: Scarecrow Press. Selection, 300 p.

Borgman, C.L. (the latest edition). *Scholarship in the digital age: information, infrastructure, and the Internet*. Cambridge, MA: MIT Press. Selection, 150 p.

Cabanac, G. (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 p.

De Silva, Pali U. K. & Vance, Candance K. (2017) *Scientific scholarly communication: the changing landscape*. Cham: Springer. ISBN 978-3-319-50627-2. 140 p.

Fecher B., Friesike S. (2014) "Open Science: One Term, Five Schools of Thought". In: Bartling S., Friesike S. (eds) *Opening Science*. Springer, Cham https://doi.org/10.1007/978¬3¬319¬00026¬8_2. ISBN 978-3-319-00026-8. 32 p.

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 p.

Hammarfelt, Björn & Rushforth, Alexander (2017). Indicators as judgment devices: An empirical study of citizen bibliometrics in research evaluation. *Research Evaluation*, 3 (1), 169–180. DOI: 10.1093/reseval/rvx018. 11 p.
Hammarfelt, Björn (2011). Citation analysis on the micro-level: The example of Walter Benjamin's Illuminations. *Journal of The American Society For Information Science And Technology*, 62(5), 819–830. DOI: 10.1002/asi.21504. 11 p.

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

Utvecklingsrådet för vetenskaplig informationsförmedling. (2015). *Effektiv vetenskaplig kommunikation: för forskning, utbildning och nyttiggörande*. Stockholm: Svensk biblioteksförening. ISBN 9789197601276. 78 p.

Literature for seminars and examination assignments, ca. 70 p.

In total: ca. 960 p.