



## Digital Library Research Methods

### Forskningsmetoder för utveckling av digitala bibliotek

15 credits

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**Ladok Code:** 32LFM1

**Version:** 6.0

**Established by:** Committee for Education in Librarianship, Information, and IT 2017-05-30

**Valid from:** Autumn 2017

**Education Cycle:** Second cycle

**Main Field of Study (Progressive Specialisation):** Library and Information Science (A1F)

**Disciplinary Domain:** other

**Prerequisites:** Applicants have acquired the courses Digital library management (ÖDM01C); Users and Information Activities in Digital Environments (32LAI1) at pass level.

**Subject Area:** Library and Information Science

**Grading Scale:** ECTS-credits

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## Content

The course deals with methods for sampling, data collection, interpretation and analysis, including statistical analysis. Research quality aspects are included, such as validity and reliability when applying quantitative as well as qualitative research methods. Other central concepts in the course are research context, research design, and research ethics.

## Learning Outcomes

After passing the course the student should be able to, concerning,

### *Knowledge and understanding*

1.1 account for fundamental research method principles and explain the relation between scholarly problem formulation and research study design

### *Competence and skills*

2.1 formulate a scholarly research problem and, using this as basis, suggest and apply one or several appropriate methods

2.2 identify, review and strategically apply research literature relevant to the problem at hand

2.3 apply research methods for data collection and analysis

2.4 perform analyses with fundamental methods for descriptive and inferential statistics

2.5 account for correlational and uncertainty factors when collecting and analysing data

### *Judgement and approach*

3.1 explain how choices of method and research implementation are conditioned by and correlate with societal phenomena, with regards to e.g. research ethics and disseminating results

## Forms of Teaching

Teaching is conducted in the form of written assignments, lectures, practical demonstrations and seminars.

The teaching language is partly, or fully, English

## Forms of Examination

- Assignment: Introduction qualitative research methods

Learning outcomes: 1.1

Credits: 2,0

Grades: UG

- Assignment: Introduction quantitative research methods

Learning outcomes: 1.1, 2.3, 2.4

Credits: 2,0

Grades: UG

- Seminar: Method

Learning outcomes: 2.1, 2.2, 2.3, 2.5

Credits: 2,0

Grades: UG

- Assignment: Method

Learning outcomes: 2.1, 2.2, 2.3, 2.5

Credits: 7,0

Grades: A-F

- Seminar: Research context and research ethics

Learning outcomes: 3.1

Credits: 2,0

Grades: UG

To pass the course as a whole requires a G grade for Assignment: Introduction qualitative research methods, Assignment: Introduction quantitative research methods, Seminar: Method, and Seminar: Research context and research ethics, and at least an E grade for Assignment: Method. The grade for the course as a whole is determined by the grade for Assignment: Method.

In the event of changes in course plans students who wish to complete courses can be examined on the basis of the most recent version of the course plan. For courses that are no longer running, students who wish to complete such courses can read all or part of an equivalent course.

Student rights and obligations at examination are in accordance with guidelines and rules for the University of Borås.

### **Literature and Other Teaching Materials**

Agresti, A. & Finlay, B. (2009). Statistical methods for the social sciences. (4. ed.). Upper Saddle River, NJ: Pearson. (624 p.)

Bryman, A. (2016). Social research methods. (5. ed.). Oxford: Oxford University Press. (824 p.)

Horts, M., Davies, S. R. & Irwin, A. (2017). Reframing science communication. In U. Felt, R. Fouché, C. A. Miller & L. Smith-Doerr (Eds.), The handbook of Science and Technology Studies (4 ed., pp. 881-907). Cambridge, MA: MIT Press. (Selected parts, 10 p.)

Vetenskapsrådet (2011). Good research practice. Stockholm: Vetenskapsrådet. (Selected parts, 7 p.)

Wildemuth, B. M. (ed.) (2016). Applications of social research methods to questions in information and library science. (2. ed.). Santa Barbara, CA: Libraries Unlimited. (Selected parts, ca 200 p.)

In addition: literature comprising approx. 400 pages of the student's own choice, relevant to his/her particular specialization.

### **Student Influence and Evaluation**

The course is evaluated in accordance with the current guidelines for course evaluations at the University of Borås, where students' views should be sought. The course evaluation report will be published and disseminated to participating and prospective students in accordance with the current guidelines, and forms the basis for future development of courses and training programs. The course coordinator is responsible for that the evaluation is performed according to current guidelines.

### **Miscellaneous**

The course is part of Masters programme: Library and Information Science, Digital Library and Information Services