



## Course syllabus

Faculty of Health and Life Sciences

Department of Health and Caring Sciences

4HÄ022 Hälsovetenskapliga forskningsmetoder, 7,5 högskolepoäng  
4HÄ022 Research methods in Health Science, 7.5 credits

**Main field of study**

Health Science

**Subject Group**

Health and Society

**Level of classification**

Second Level

**Progression**

A1N

**Date of Ratification**

Approved by Faculty of Health and Life Sciences 2019-09-16  
The course syllabus is valid from autumn semester 2020

**Prerequisites**

General entry requirements for second cycle level study and English 6.

## Objectives

After completing the course the student will be able to:

- critically discuss scientific theory in the humanities, social and natural sciences in relation to selection of research methods in Health Science
- select, delimit, and formulate clear research aims
- explain different qualitative and quantitative methods possibilities and limitations and their applications in Health Science research
- communicate research orally and in writing
- search, control for quality, and evaluate scientific publications
- critically discuss and evaluate ethical and unethical research practice

## Content

- Philosophy of Science and research traditions
- Methods for sampling, data collection, and data analysis in qualitative research, quantitative research
- Methods for literature searching, quality control, and data analysis in systematic

- literature reviews
- Scientific writing and communication
- Research and publication ethics

## Type of Instruction

Individual assignments, group work, lectures, and seminars.

## Examination

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

The course is examined individually in a seminar (2 credits) and through a written assignment (5.5 credits). The seminar is assessed with the grades Fail or Pass. The written assignment is assessed with the grade Fail, Pass or Pass with Distinction.

For the grade Pass on the course, this grade is required on all the examination assignments. For the grade Pass with Distinction, the grade Pass is required at the seminar and the grade Pass with Distinction on the written assignment.

Repeated 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 give a customised exam or to have the student conduct the exam in an alternative way.

## Course Evaluation

During the implementation of the course or in close conjunction with the course, a course evaluation is to be carried out. Results and analysis of the course evaluation are to be promptly presented as feedback to the students who have completed the course. Students who participate during the next course instance receive feedback at the start of the course. The course evaluation is to be carried out anonymously.

## Required Reading and Additional Study Material

Alvesson, M., & Sandberg, J. (2011). Generating research questions through problematization. *Academy of Management Review*, 36(2), 247–271. DOI: 10.5465/AMR.2011.59330882

Creswell, J.W., & Creswell, J.D. (2018). *Research design: Qualitative, quantitative, and mixed methods approaches* (5th ed.). Los Angeles: SAGE, (275 p). ISBN: 9781506386706

Day, R.A., & Gastel, B. (2016). *How to write and publish a scientific paper* (8th ed.). Santa Barbara, California: Greenwood (326 p). ISBN: 9781440842801

Mikkelsen, B. (2005). *Methods for development work and research: A new guide for practitioners* (5th ed.). New Delhi: SAGE Publications Pvt. Ltd, (384 p). ISBN: 978076193328

Swedish Research Council. (2011). *Good research practice*. Stockholm: Swedish Research Council, (84 p). Available online.

Scientific reports and articles will also be added (approx. 50 pages).