

Course Syllabus

Scientific Methods 7.5 Credits, Third Cycle

Learning Outcomes

The overall aim of the course is to provide postgraduate students an introduction to multiple research methods and support their knowledge and understanding of how these methods can apply to answering different types of research questions.

After completing the course, postgraduate students shall be able to:

Knowledge and Understanding

- demonstrate knowledge about study designs and methods for different research questions,

Competence and Skills

- discuss and argue for different forms of analyses of both quantitative as well as qualitative data,

Judgement and Approach

- critically review, evaluate and reflect on their chosen study design and methods, both in writing and orally,
- evaluate the validity and reliability of study designs and methods.

Course Content

The course addresses different research methods and designs for generating data and analysis. Different types of study designs will be covered from both quantitative methods (e.g., experimental and epidemiological studies), qualitative methods (e.g., grounded theory and phenomenological studies) and mixed-methods studies. The course illustrates a scientific approach where students formulate a research question and choose an approach in terms of method and design, while also considering the strengths and weakness of data generation and analysis.

Assessment

Written assignment, oral presentation at seminars, and a critical review of the written work from peers.

Forms of Study

Grades

The Swedish grades U–G.

Prerequisites

General entry requirements for postgraduate studies.

Other Information

The course is taught online. Instruction is in English, and oral and written examinations are in English, unless stated otherwise

Subject:

Care Sciences

Educational Work

Microdata Analysis

Approved:

Approved 25 January 2018

Valid from 25 January 2018

Revised:

Revised, 18 November 2021

Revision is valid from 18 November 2021