



## COURSE SYLLABUS

# Research Strategies and Design with Focus on Quantitative Methods, 4.5 credits

*Research Strategies and Design with Focus on Quantitative Methods, 4,5 högskolepoäng*

---

<b>Course Code:</b> FHRES31	<b>Education Cycle:</b> Third-cycle level
<b>Confirmed by:</b> Utbildningsrådet Mar 1, 2021	
<b>Valid From:</b> Autumn 2021	
<b>Version:</b> 1	
<b>Reg number:</b> Research School of Health and Welfare	

---

### Intended Learning Outcomes (ILO)

Upon completion of the course, the student should have the ability to:

#### Knowledge and understanding

- explain the importance of validity and reliability of the design of quantitative studies.

#### Skills and abilities

- demonstrate knowledge of different research designs with a focus on quantitative methods
- apply and argue for an appropriate design for a research study, which includes quantitative methods, based on its research question
- assess reliability and validity in relation to different quantitative research designs.

#### Judgement and approach

- reflect upon the selection of quantitative method in relation to research questions and aims.

### Contents

- principles of quantitative research design in relation to internal and external validity, statistical validity, and concept validity
- critical evaluation of research studies in relation to design throughout the research process.
- co-design and co-production in research design
- mixed methods

### Type of instruction

The course is comprised of lectures and seminars. The course is a web-based course.

The teaching is conducted in English.

### Prerequisites

To be enrolled in the course the student should have 240 credits, 60 of which should be at the advanced level, including a thesis of 15 credits (or the equivalent).

## Examination and grades

The course is graded Fail (U) or Pass (G).

The course examination is comprised of individually written papers and seminars. The course examiner is an associate professor or professor.

Registration of examination:

Name of the Test	Value	Grading
Seminars	1.5 credits	U/G
Written individual report	3 credits	U/G

## Course evaluation

The course coordinator collates and comments on the evaluation before submitting it to the Board of Research Education at the Research School of Health and Welfare at School of Health and Welfare.

## Other information

Course is given on a part-time basis.

Selection for admission:

1. Students registered in the Research School of Health and Welfare
2. Students registered in research education at Jönköping University and other partner universities
3. Students registered in research education at another university
4. Other applicants: admission based on the number of credits (the applicants will be selected randomly in the case of equal merits).

## Course literature

Kazdin, A.E. (2017). *Research design in clinical psychology*. (5th edition). Allyn & Bacon.

Other resources:

Further scientific articles and reports will be added.

The most recent editions of course literature should be used.