



## Course syllabus

Faculty Board of Health, Social Work and Behavioral Sciences  
School of Health and Caring Sciences

4VÅ620 Vetenskapliga metoder, 7,5 högskolepoäng  
Scientific methods, 7.5 credits

**Main field of study**

Caring Science

**Subject Group**

Nursing Science

**Level of classification**

Second Level

**Progression**

A1N

**Date of Ratification**

Approved by the Board of the School of Health and Caring Sciences 2010-07-05

Revised 2011-08-31

The course syllabus is valid from autumn semester 2011

**Prerequisites**

NO VALUE DEFINED

### Expected learning outcomes

On completion of the course, students should be able to:

- problematize theory of science bases related to different research approaches
- reflect over differences between the most common quantitative and qualitative research methods
- choose and motivate choice of design for different questions
- assess and apply relevant methods for data acquisition and analysis within different research approaches
- hold a research ethical discussion
- apply critical examination of validity, reliability and generalizability in quantitative research as well as credibility and transferability concerning qualitative research

### Content

- scientific theory
- research designs for qualitative and quantitative research
- methods for data acquisition for qualitative and quantitative research
- methods for analysis of data within qualitative and quantitative research
- research ethics

- validity, reliability, generalizability within quantitative methodology
- criteria for credibility and transferability within qualitative research

## Type of Instruction

Teaching is built on a problem-oriented method of working with active knowledge-seeking, critical thinking and problem solving. Teaching consists of lectures, group work and seminars.

Education is mostly net-based at campus Kalmar.

Obligatory attendance is specified in the schedule and/or study guidelines.

## Examination

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

## Course Evaluation

A written evaluation is carried out and compiled in a report, which is archived at the institution. The results, along with possible measures taken, are reported to the students the next time the course is given.

## Other

The number of examination opportunities is limited to five.

## Required Reading and Additional Study Material

Alvesson, M. & Skoldberg, K. (Latest edition). *Tolkning och reflektion: Vetenskapsteori och tolkning*. Lund: Studentlitteratur, (400 p).

Djurfelt, G. (Latest edition). *Statistisk verktyglåda: Samhällsvetenskaplig orsaksanalys med kvantitativa metoder*. Lund: Studentlitteratur, (200 p).

Granskär, M & Höglund-Nielsen, B. (Latest edition). *Tillämpad kvalitativ forskning inom Hälso-och sjukvård*. Lund: Studentlitteratur, (200 p).

Polit, D.F. & Beck, C.T. (Latest edition). *Generating and assessing evidence for nursing practice*. Philadelphia: Lippincott, (796 p, selected parts).

Current regulations, statutes and scientific articles included.