



Course syllabus

Nämnden för grundnivå och avancerad nivå inom fakultetsnämnden för hälsa, socialt arbete och beteendevetenskap

Department 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 2010-07-05

Revised 2015-09-30 by School of Health and Caring Sciences.

The course syllabus is valid from autumn semester 2015

Prerequisites

NO VALUE DEFINED

Objectives

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. & Sköldberg, K. (Latest edition). *Tolkning och reflektion: Vetenskapsfilosofi och kvalitativ metod*. 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.