



Course syllabus

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

2VÅ36E Vetenskapsteorier, metoder och examensarbete, 22,5
högskolepoäng

Scientific theories, research methods and degree project, 22.5 credits

Main field of study

Caring Science

Subject Group

Nursing Science

Level of classification

First Level

Progression

G2E

Date of Ratification

Approved by the Board of the School of Health and Caring Sciences 2009-05-25

Revised 2011-08-31

The course syllabus is valid from autumn semester 2011

Prerequisites

Caring Science level 1-60 credits, of which a grade of pass must be achieved in 52.5 credits.

Expected learning outcomes

Demonstrate:

- knowledge within and understanding for the various scientific foundations of caring science as well as application within some part of caring science's specific foundations
- knowledge within and understanding for different scientific approaches
- knowledge within and understanding for the common descriptive methods within caring science research
- the skills to interpret descriptive statistics and inference statistics
- the skills to formulate a viable caring science project plan
- the skills to apply scientific methods in your own essay
- the ability to assess caring science-related articles from both a quantitative and qualitative theories perspective with its terminology
- the ability to orient oneself in current research questions within the X-ray nurse's working area
- the ability to independently identify, formulate and solve problems as well as complete tasks within given timeframes

- both verbally and in writing, the ability to account for and discuss information, problems and solutions in conversations with different groups
- the ability to, within caring science, make quality assessments with regard to relevant scientific and ethical aspects

Content

Scientific Theory
Scientific Methods
Essay

Module 1 Scientific Theory 1.5 credits

-the different scientific foundations of caring science
-various caring-scientific approaches

Module 2 Scientific Methods 6 credits

-research ethics
-qualitative data acquisition and analytical methods
-concept analysis
-project plan
-literature retrieval
-quantitative data acquisition and -analytical methods

Module 3 Essay 15 credits

-own data acquisition
-own analysis and presentation of data
-writing of essay
-act as opponent
-act as respondent

Type of Instruction

Varying forms of teaching may be included, such as:
Lectures
Application exercises
Mandatory seminars
Supervision
Own work

Examination

The course is assessed with the grades Fail (U) or Pass (G).
Individual written and/or oral examinations as well as acting as opponent on another essay and defending one's own work

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.

Required Reading and Additional Study Material

Dahlberg, K., Segesten, K., Nyström, M., Suserud, B-O. & Fagerberg, I. Att förstå vårdvetenskap. Lund: Studentlitteratur, latest ed. 100

Ejlertsson, G Statistik för hälsovetenskaperna. Lund: Studentlitteratur. Latest ed. 150

Friberg, F (red.) Dags för uppsats. Lund: Studentlitteratur. Latest ed. 100

Forsberg, C & Wengström, Y Att göra systematiska litteraturstudier. Stockholm: Natur och Kultur 2008. Chap 6.15

Graneheim, UH & Lundman, B

Qualitative content analysis in nursing research: Concepts, procedures and measures to achieve trustworthiness. *Nurse Education Today*, 24: 105-112. 2004. 7

Polit, DF & Beck, CT *Essentials of Nursing Research. Methods, Appraisal, and Utilization*. Philadelphia: Lippincott. Latest ed. 100

Sohlberg, P & Sohlberg, B-M

Kunskapens former – vetenskapsteori och forskningsmetod. Malmö: Liber. Latest ed. 220

Thomsson, H *Reflexiva intervjuer*. Lund: Studentlitteratur. Latest ed. 170

<http://www.ivosa.vxu.se/studieinfo>

The forming of reports and essays. Guidelines and instructions for essays on entry and advanced level within the subject caring science.30

Dissertation, scientific articles and literature in research methods included