

**SYLLABUS**

# **Nursing: Scientific methodology I 7.5 credits 00094H**

**Omvårdnad: Vetenskaplig metod I**

**Course syllabus admitted: Autumn 2023 Sp 1 - Present**

**DECISION DATE  
2022-02-14**

# Nursing: Scientific methodology I 7.5 credits O0094H

## Omvårdnad: Vetenskaplig metod I

### First cycle, O0094H

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G VG *	Omvårdnad	Nursing Science

### Main field of study

Nursing

## Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language and O0092H Fundamental principles in nursing M0094H Fundamental in Medical Science O0093H Health promotion in care and nursing care

## Selection

The selection is based on 1-165 credits.

## Course Aim

The overall course objective is that the student will acquire knowledge of the scientific basis for the main subject of nursing. After completing the course, the student will be able to describe the importance of nursing research from the patient's, relatives', profession's, organisation's and social perspective. In addition, the student will be able to assess and reflect on the various forms of knowledge and formulate and answer a scientific question based on identified nursing needs in clinical activities and, accordingly, give examples of development work in accordance with evidence-based methods.

### *Knowledge and understanding*

After completing the course, the student will be able to:

- describe and explain the relevant scientific theories for nursing research
- describe various forms of knowledge, with a focus on evidence-based knowledge, and justify its importance for nursing
- describe the connection between the research question and scientific design

### *Skills and abilities*

After completing the course, the student will be able to:

- formulate and motivate scientific question based in accordance with evidence-based methods
- apply principles of academic writing regarding language, rules and reference handling

### *Judgement and approach*

After completing the course, the student will be able to:

- describe research ethics principles and critically reflect on their importance
- evaluate and assess the quality of research studies

## Contents

Scientific theory  
Research process  
Evidence-based methods  
Quantitative method  
Qualitative method  
Quality review  
Research ethics  
Development work  
Academic writing

## Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

The course component is carried out using integrated forms of work that support the student's understanding, in-depth learning and independence. This is done by searching for knowledge, problem-solving and critical reflection based on the course objectives. Student learning is supported by lectures, laboratory experiments, individual and group study assignments and seminars.

Participation in and performance of laboratory experiments, seminars and study assignments are mandatory.

## Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. A three-grade scale is used; pass with credit, pass or failed. The course objectives are examined through a written report, exam and seminar.

In order to pass the whole course, students must pass all parts and the mandatory components must be completed.

## Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term "unauthorized aids" refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

## Remarks

Passing this course is a special entry requirement for courses involving a placement and degree project.

## Transition terms

The programme syllabus is valid from autumn semester 2018 for those students who will then be accepted on the course. The faculty programme director and heads of subjects decide on individual study plans for students who were accepted on previous programme syllabuses and who, following approved leave from studies, resume their studies in accordance with the current programme syllabus.

If a course has ceased to exist or has undergone major changes, in the first year after the change has occurred students must be offered two opportunities to take the exam and then one more each year for a further two years, based on the course syllabus that was valid at the time of registration.

## Course offered by

Department of Health, Education and Technology

## Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Written assignment	U G VG *	1.5	Mandatory	S19	
0002	Laboration	U G#	1	Mandatory	S19	
0003	Seminar	U G#	1.5	Mandatory	S19	
0004	Written report	U G VG *	3.5	Mandatory	S19	

## Last revised

by Anna Öqvist, Director of Undergraduate Studies at the Department of Health, Education and Technology 2022-02-14

## Syllabus established

by Prefekt vid Institutionen för hälsovetenskap 2018-02-15