



**Karolinska
Institutet**

Course syllabus for

Research Methods and Nursing Research, 6 credits

Forskningsmetodik och omvårdnadsforskning, 6 hp

This course syllabus is valid from autumn 2022.

Please note that the course syllabus is available in the following versions:

Autumn2019 , Spring2020 , Spring2021 , Autumn2021 , Autumn2022 , Spring2023

Course code	1SJ027
Course name	Research Methods and Nursing Research
Credits	6 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Nursing
Level	G2 - First cycle 2
Grading scale	Pass, Fail
Department	Department of Neurobiology, Care Sciences and Society
Decided by	Utbildningsnämnden NVS
Decision date	2019-04-10
Revised by	Education committee NVS
Last revision	2022-03-10
Course syllabus valid from	Autumn 2022

Specific entry requirements

Admission to semester 5:

All courses from semesters 1-3

Semester 4: Passed assessment from placement 7.5 credits + 7.5 credits (1SJ023 and 1SJ024).

Objectives

The general aim of the course is that students acquire advanced knowledge of scientific methodology, the research process and the importance of research for clinical nursing.

Learning outcomes

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

Knowledge and understanding

- explain and compare different types of study designs and methods
- understand how to analyze and judge the quality of a scientific study and to explain how the

- accuracy and trustworthiness of a study's results are influenced by study methodology
- explain how different study designs are applicable to different sorts of research questions

Skills and abilities

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

- formulate a research question of relevance to clinical nursing
- systematically search for scientific articles
- assess the quality of scientific studies
- apply the scientific research process within areas relevant to nursing
- apply research ethics
- use scientific language, write clearly, and use appropriate reference systems

Values and perspectives

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

- evaluate the clinical relevance of nursing research and argue for its relevance in clinical settings

Content

- systematic searching of articles in scientific databases
- quality-assessment of scientific studies
- study design
- research methods: sampling, data collection, data analysis
- planning and implementation of an empirical study on a small scale
- quality indicators in scientific research
- scientific approach
- research ethics

Teaching methods

The teaching is based on a problem-oriented and collaborative approach to learning in which the tasks provide opportunities for the student to take active responsibility for their learning. The used teaching methods are

active knowledge acquisition, problem-solving and critical reflection.

Both the campus and distance courses are web-based and involve both individual and collaborative learning activities. The course is based on lectures, workshops, seminars, readings, and both individual and group assignments. Teacher support is offered via web-based learning management system. The number of physical meetings at the course site is limited to at most 2 days.

Examination

The course is assessed through a written and oral group examination, a written individual take-home examination as well as a written test. The student has to have passed the written test in order to be eligible to register for the thesis course in the 6th term. To pass the course, students must demonstrate fulfillment of the course's learning outcomes.

Students who do not pass a regular examination are entitled to re-sit the examination on five more occasions. If a student has not passed the course after taking the examination six times no further chances to take the exam will be given.

Each occasion the student participates in the same test counts as an examination. Submission of a blank exam paper is regarded as an examination. If a student is registered for an examination but does not attend it is not regarded as an examination.

If there are special grounds, or a need for adaptation for a student with a disability, the examiner may decide to deviate from the syllabus's regulations on the examination form, the number of examination opportunities, the possibility of supplementation or exemptions from the compulsory section/s of the course etc. Content and learning outcomes as well as the level of expected skills, knowledge and abilities may not be changed, removed or reduced.

Other directives

The course evaluation will be conducted according to the guidelines that are established by the Committee for Higher Education.

The course is offered in English.

The course will not be credited in a degree together with another course the student has completed and passed which completely or partly corresponds to the contents of this course.

Literature and other teaching aids

Vetenskaplig teori och metod : från idé till examination inom omvårdnad

Henricson, Maria

Andra upplagan : Lund : Studentlitteratur AB, 2017 - 510 sidor

ISBN:978-91-44-11328-9 LIBRIS-ID:20848026

[Library search](#)

Willman, Ania

Evidensbaserad omvårdnad : en bro mellan forskning och klinisk verksamhet

4., [rev.] uppl. : Lund : Studentlitteratur, 2016 - 186 s.

ISBN:9789144109022 LIBRIS-ID:19090791

[Library search](#)

Ejlertsson, Göran

Statistik för hälsovetenskaperna

Lund : Studentlitteratur, 2003 - 275 s.

ISBN:91-44-03123-8 : 435:00 LIBRIS-ID:9080165

URL: [övningsmaterial](#)

[Library search](#)

Granskär, Monica; Höglund-Nielsen, Birgitta

Tillämpad kvalitativ forskning inom hälso- och sjukvård

1. uppl. : Lund : Studentlitteratur, 2008 - 210 s.

ISBN:978-91-44-00155-5 LIBRIS-ID:10654117

[Library search](#)

Nursing research : methods and critical appraisal for evidence-based practice

LoBiondo-Wood, Geri; Haber, Judith

9. ed. : 2018 - 531 pages

ISBN:9780323431316 LIBRIS-ID:21454832

[Library search](#)

Polit, Denise F.; Beck, Cheryl Tatano

Essentials of nursing research : appraising evidence for nursing practice.

9. ed. : Philadelphia : Wolters Kluwer, cop. 2018 - xxii, 442 s.

ISBN:978-1-4963-5835-6 LIBRIS-ID:20512452

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