

SYLLABUS

Advanced care and nursing care for complex needs 15 credits 00107H

Avancerad vård och omvårdnad vid komplexa behov

Course syllabus admitted: Spring 2024 Sp 3 - Present

**DECISION DATE
2023-06-05**

Advanced care and nursing care for complex needs 15 credits 00107H

Avancerad vård och omvårdnad vid komplexa behov

First cycle, 00107H

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

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 .

Selection

The selection is based on 1-165 credits.

Course Aim

The overall objective of the course is for the student to acquire in-depth knowledge and skills in order to provide care and nursing to patients with complex needs. The student will be able to independently apply the nursing process and lead, organize, prioritize and coordinate the nursing work. In addition, the student will be able to discuss and present reasons for the relationship between science and proven experience and its importance for the practice of the profession

Curricular segment 1: Medical science

Knowledge and understanding

After successfully completing the course, the student is expected to be able to:

- explain the underlying etiology and pathophysiology of neurological, renal and oncological diseases
- describe how patients are examined when a suspicion of various diseases arises
- describe what various treatment options can mean for the individual and the community-at-large
- explain the complications that diseases or treatments can lead to
- describe the importance of primary and secondary preventive measures with various types of diseases
- describe palliative care with various states of illness

Skills and abilities

After successfully completing the course, the student is expected to be able to:

- identify symptoms and understand complex sets of symptoms in various states of illness/multi-diseases, and be able to take appropriate measures based on this
- on the basis of a reasonableness assessment, manage medicines in a satisfactory manner and be able to inform the patient about the effects and side effects of the medicines
- identify and treat symptoms to provide good palliative care

Evaluation capability and approaches

After successfully completing the course, the student is expected to be able to:

- reflect on what multi-disease can mean for patients with complex needs

Curricular segment 2: Nursing

Knowledge and understanding

After successfully completing the course, the student is expected to be able to:

- describe the relationship between evidence-based care and proven experience related to the patient's and their immediate family's needs, resources, values and expectations
- explain the relationship between the needs for nursing, problems/risks, and medical treatment
- discuss and present the importance of the nurse's independent professional function in relation to other professional groups
- explain the role of the nurse in the rehabilitation of patients
- describe the function of the nurse in rendering palliative care

Skills and abilities

After successfully completing the course, the student is expected to be able to:

- inform and teach various groups and carry out supervisory tasks
- identify complex needs of patients and their immediate family based on various disease states and context with an ethical and person-centered approach

Evaluation capability and approaches

After successfully completing the course, the student is expected to be able to:

- identify complex situations and critically reflect on various solutions with ethical awareness and a scientific approach

Curricular segment 3: Advanced study of theory and practice

Skills and abilities

After successfully completing the course, the student is expected to be able independently:

- assess the patient's condition and need for nursing by means of subjective experiences and objective data and then establish nursing diagnoses
- be responsible for systematically leading, planning, prioritizing, distributing and coordinating nursing work in collaboration with other professional groups
- identifying needs, establishing a nursing plan and providing care and nursing in collaboration with the patient and their immediate family
- pay attention to the individual's experience of illness/ill health and suffering and be able to alleviate their suffering
- apply and document all the steps of the nursing process
- on the basis of a reasonableness assessment, manage medicines in a satisfactory manner and be able to inform the patient about the effects and side effects of the medicines
- show independence in one's professional role in collaboration with other professional groups for the provision of safe care
- based on secure transmission of communications, ensure the transfer of information within the healthcare team and to other professional groups
- be responsible for and manage medical device equipment with a patient-safe approach
- apply applicable relevant statutes and regulations, as well as local guidelines

Evaluation capability and approaches

After successfully completing the course, the student is expected to be able to:

- show precision and judgment in the planning and implementation of care and nursing
- show professional approach and ability to handle complex situations in collaboration with patients, immediate family, and other professional groups
- critically reflect on existing procedures and methods, and work for nursing in accordance with science and proven experience
- take responsibility in one's own professional development by identifying and evaluating their own needs for additional knowledge in order to continuously develop their skills and expertise

Contents

Curricular segment 1: Medical science

Neurological disorders (ALS, Epilepsy, Migraines and other forms of headache and Multiple Sclerosis)
Nephrological diseases
Oncological diseases
Palliative care
Management of medicines
Calculation of medicines
Specific pharmacology

Curricular segment 2: Nursing

The nurse's core skills
The role of the nurse in the palliative team
Gender equality and intersectionality
Teaching and academic supervision

Curricular segment 3: Advanced study of theory and practice

Management, planning and prioritization
All phases of the nursing process
The nurse's coordinating and work-leading function
Nursing documentation with individual care planning
Work collaboratively in teams
Safe and secure care
Medical technology methods and medical safety
Management of medicines
National Clinical Final Examination for the Nursing Degree (NKSE)

Realization

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

The curricular segments of the course are implemented with integrated working forms that support the student's understanding, in-depth learning and independence, which is done by means of the search for knowledge, problem-solving and critical reflection based on the successful attainment of the objectives for the course. The student's learning is supported by lectures, laboratory exercises, simulations/role play, seminars, study assignments individually and in groups, self-directed independent studies and participating in a practicum/internship (VFU) under supervision. Participation and conduct of laboratory exercises, simulations/role play, seminars, study assignments and VFU is 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 two-grade grading scale is used for grades: Pass (G) or Fail (U). The successful attainment of the objectives for the course is assessed via individual examinations, written reports, seminars, practical individual exams and assessment of professional skills and expertise during the VFU. To receive a passing grade in the course for a full course, a passing grade is required for all parts and that the required curricular segments have been completed.

When the examiner interrupts the practice-based education period assigned to the activity, it means that the student fails prematurely and an examination opportunity on the practice-based education component is forfeited.

If a student chooses to cancel or not complete the practice-based education period, this means that the student fails prematurely and an examination opportunity on the practice-based education component is forfeited unless special reasons exist and are supported by a medical certificate.

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

This course, which contains a curricular segment with a practicum/internship (VFU element), is encompassed within the *Special Rules for practicum/internship placements* according to the decision of the Head of Department at the Department of Health Sciences, Luleå University of Technology.

"Special prerequisite" means achieving a passing grade in all qualifying prerequisite courses. The special prerequisite requirements when the course is placed in Lp4 must be fulfilled at the latest by the examination period in Lp 2. The special prerequisite requirements when the VFU course is placed in Lp2 must be fulfilled at the latest by the re-examination period in August.

Transition terms

The study program and syllabus is in effect from the autumn term 2018 for the students who are then admitted to the educational program. Faculty program directors and heads of subject decide on individual study plans for students who have been admitted to a previous study program and who are resuming their studies, after a study break, according to the current study program and syllabus.

If a course is no longer given or has undergone major changes, the students must be offered two opportunities for examination in the first year after the change has taken place, and then once a year for another 2 years, based on the study plan applicable at registration.

Course offered by

Department of Health, Education and Technology

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Simulation Medical Science	U G#	0.5	Mandatory	S21	
0002	Simulation Nursing	U G#	0.5	Mandatory	S21	
0003	Laboratory work Medical Science	U G#	0.5	Mandatory	S21	
0004	Laboratory work Nursing	U G#	0.5	Mandatory	S21	
0005	Examination Medical Science	U G#	2	Mandatory	S21	
0006	Assessment of professional competence	U G#	8	Mandatory	S21	
0007	Individual written exam, Part I NKSE	U G#	0.5	Mandatory	S21	
0008	Individual written exam, Part II NKSE	U G#	0.5	Mandatory	S21	
0009	Individual practical examination, NKSE	U G#	1	Mandatory	S21	
0010	Seminar Nursing	U G#	0.5	Mandatory	S21	
0011	Seminar Medical Science	U G#	0.5	Mandatory	S21	

Last revised

by Anna Öqvist, Director of Undergraduate Studies at the Department of Health, Education and Technology 2023-06-05

Syllabus established

by Dean of Department of Health Sciences 2020-02-21