

SYLLABUS

Care and nursing care in medical and surgical illness 30 credits 00096H

**Vård och omvårdnad vid medicinska och kirurgiska
sjukdomstillstånd**

Course syllabus admitted: Autumn 2024 Sp 1 - Present

**DECISION DATE
2024-02-13**

Care and nursing care in medical and surgical illness 30 credits 00096H

Vård och omvårdnad vid medicinska och kirurgiska sjukdomstillstånd

First cycle, 00096H

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G VG	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 that using her/his integrated knowledge of medical science, nursing and behavioural science, the student shall become able to prioritise, plan and implement safe care and nursing in cases of medical and surgical pathological conditions.

Course objectives in each module

Module 1: Medical and Surgical Pathological Conditions

Knowledge and understanding

Upon completion of the course, the student shall be able to:

- explain the underlying aetiology and pathophysiology of medical and surgical pathological conditions (cerebrovascular diseases, endocrinology, gynaecology, haematology, cardiovascular diseases, infectious diseases, lung diseases, gastrointestinal tract diseases, orthopaedics, paediatrics, rheumatology, urology) and relate these to the symptoms exhibited by the patient
- describe how patients are examined when various illnesses are suspected
- describe what various treatment options can mean for individuals and society
- provide an account of the importance of primary and secondary preventative measures in different types of illnesses
- explain in what way age and gender can affect disease, diagnosis and treatment

Module 2: Nursing in Relation to Medical and Surgical Pathological Conditions

Knowledge and understanding

Upon completion of the course, the student shall be able to:

- Understand what central phenomena associated with living with illness can mean for the patient and her/his relatives

Skills and abilities

Upon completion of the course, the student shall be able to:

- identify and implement relevant nursing measures in medical and surgical illness
- identify and implement relevant measures in cases of domestic violence
- support patients in achieving good sexual health in cases of illness
- apply pre- and postoperative nursing care

Module 3: Nursing Technicians/Laboratory Work

Skills and abilities

Upon completion of the course, the student shall be able to:

- apply nursing techniques based on basic hygiene routines and in a patient-safe manner

Module 4: Deepening of Theory and Practice in Relation to Medical and Surgical Pathological Conditions

Skills and abilities

Upon completion of the course, the student shall be able to:

- identify symptoms and understand complex symptom profiles in different pathological conditions, in order to understand which patient controls should be carried out and when action should be taken
- apply the nursing process, taking into account relevant laws and statutes
- apply nursing techniques based on basic hygiene practices and in a patient-safe manner
- teach self-care and prevention
- demonstrate the ability to adequately manage medicines and to inform the patient about a medicine's effects and side effects (adverse drug reactions)

Judgement and approach

Upon completion of the course, the student shall be able to:

- demonstrate an ethical approach in interactions with ill people and their relatives
- demonstrate self-knowledge and the ability to empathise
- identify the need for further knowledge in order to continuously develop her/his skills

Contents

Module 1: Medical and Surgical Pathological Conditions

Medical and surgical pathological conditions, such as cerebrovascular diseases, endocrinology, gynaecology, haematology, cardiovascular diseases, infectious diseases, lung diseases, gastrointestinal tract diseases, orthopaedics, paediatrics, rheumatology, and urology
Specific pharmacology
Drug dosage calculation and management
Equality

Module 2: Nursing in Relation to Medical and Surgical Pathological Conditions

Central phenomena related to health/illness
Sexual health
Pre-, intra-, and postoperative nursing care
Nursing care measures in cases of illness
Equal treatment (Intersectionality)
Crisis reactions
Domestic violence

Module 3: Nursing Technicians/Laboratory Work

Nursing technicians

Module 4: Deepening of Theory and Practice in Relation to Medical and Surgical Pathological Conditions

The nursing process
Information transfer
Interview methodology
Drug dosage calculation and management

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 modules are implemented with integrated work forms that support the student's understanding, deep learning and autonomy. This is accomplished through knowledge retrieval, problem solving and critical reflection based on the objectives of the course. The student's learning is supported by lectures, laboratory work, simulations, seminars, individual and group assignments, independent study, and supervised clinical practice. Participation and the completion of laboratory sessions, seminars, simulations, assignments and clinical practice are obligatory.

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. Medical-CPR in the module set refers Medical-CPR Adult.

A three-level scale is used for grading: Pass with distinction (VG), Pass (G) or Fail (U). Clinical practice are graded on a two-level scale: Pass (G) or Fail (U). The objectives of the course are evaluated via individual written examination, oral practical examination, simulations, and seminars, as well as the assessment of professional competence during the clinical practice. To pass the entire course, passing grades are required on all parts of the course, and compulsory parts must be 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 modules with clinical practice (clinical practice modules), is subject to 'Specific Rules for Clinical Practice', pursuant to a decision by the Head of the Department of Health Sciences, Luleå University of Technology.

A passing grade in this course is a specific admission requirement for courses entailing clinical practice and degree projects.

A specific admission requirement means that the student must have received passing grades on all courses required for enrolment.

Specific admissions requirements: If the course begins in Lp 1, these must be met no later than Lp 3. Specific admissions requirements: If the course begins in Lp 3, these must be met no later than Lp 1.

Transition terms

This programme curriculum is valid from the autumn semester of 2018 for all students who are admitted to the programme at that time. Programme coordinators and heads of department decide on individual study plans for students who have been admitted to a previous programme curriculum and resume their studies according to the current programme curriculum following a break in their studies.

If a course has ceased to be given or has undergone major changes, the students will be offered two opportunities for examination in the first year after the change has taken place, and then once a year for a further 2 years, based on the course syllabus that applied 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	Individual written examination Medical Science	U G VG	7.5	Mandatory	A19	
0002	Individual written examination Nursing	U G VG	4	Mandatory	A19	
0003	Individual written examination Medical Science	U G VG	3.5	Mandatory	A19	
0004	Individual written examination Nursing	U G VG	1.5	Mandatory	A19	
0005	Individual written examination Medical Science	U G#	0.5	Mandatory	A19	
0006	Practical examination Nursing	U G#	1	Mandatory	A19	
0007	Seminar Medical Science	U G#	1.3	Mandatory	A19	
0008	Seminar Nursing	U G#	1	Mandatory	A19	
0009	Assessment of professional competence Nursing	U G#	7.5	Mandatory	A19	
0011	Laboratory work Nursing	U G#	1	Mandatory	A19	
0012	Simulation Medical Science	U G#	0.5	Mandatory	A19	
0013	Simulation Nursing	U G#	0.5	Mandatory	A19	
0014	Medical-CPR	U G#	0.2	Mandatory	A24	

Last revised

by Jenny Jäger, Director of Undergraduate Studies at the Department of Health, Education and Technology 2024-02-13

Syllabus established

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