

SYLLABUS

Prevention, diagnostics, treatment and nursing. Care and nursing care of people with medical and surgical conditions. 19.5 credits 00087H

Prevention, diagnostik, behandling och omvårdnad. Vård och omvårdnad av människor vid med. och kir. sjukdomstillstånd

Course syllabus admitted: Autumn 2020 Sp 1 - Present

**DECISION DATE
2020-02-21**

Prevention, diagnostics, treatment and nursing. Care and nursing care of people with medical and surgical conditions. 19.5 credits O0087H

Prevention, diagnostik, behandling och omvårdnad. Vård och omvårdnad av människor vid med. och kir. sjukdomstillstånd

First cycle, O0087H

Education level

First cycle

Grade scale

U G#

Subject

Omvårdnad

Subject group (SCB)

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 Basic entry requirements and three years of post-secondary nursing training from countries outside the EU/EEA and Switzerland; decision to implement a proficiency test for nurses issued by the National Swedish Board of Health and Welfare. A pass in Swedish according to the provisions for basic entry requirements for the first cycle, Swedish B or Swedish 3, with the lowest grade of pass/E.

Selection

The selection is based on 1-165 credits.

Examiner

Päivi Juuso

Course Aim

At the end of the course, the student is expected to be able to:

Knowledge and understanding

- account for pathophysiology, aetiology, epidemiology, diagnostics, treatment, the nursing process and prevention in medical and surgical diseases
- account for how ill health is manifested as symptoms, and how this affects the individual's daily life from a lifetime perspective
- account for the importance of equality, gender and socio-cultural aspects as well as equal access to good nursing care
- account for statutes as well as local guidelines regarding the nursing profession within medical and surgical healthcare

Competence and skills

- apply the planning, organisation and management of the daily work and function in a care team
- interact with the patient, relatives, other nurses and representatives of other professions in healthcare
- prioritise the patient's needs, together with the patient and relatives, by identifying problems, risks and resource diagnoses and formulating care objectives, planning and evaluating nursing care measures
- implement and use different methods to assess pain status as well as prevent pain and carry out pain treatment
- implement and use different methods to assess nutritional status, risk of falling and pressure sores as well as take appropriate care measures
- apply and be responsible for reducing the risk of infection and the spread of infection in accordance with the applicable regulations
- count, prepare, administer and handle medications properly and in relation to the applicable statutes and legislation, and inform the patient about the effects and side effects of medication
- oral and written report in accordance with SBAR (situation, background, assessment, recommendation) and record nursing activities in the appropriate medical record system
- Handle medical equipment and use medical devices safely
- critically examine and evaluate the quality of care based on evidence-based knowledge and proven experience

Judgement and approach

- show judgement and the ability to apply an ethical and professional approach towards the patient and relatives of different ages
- demonstrate the ability to identify their need for additional knowledge in order to develop their professional skills

Contents

- pathophysiology, symptoms and signs of ill health, care, nursing and prevention in the case of:
 - endocrine diseases
 - gastroenterological diseases
 - gynaecological diseases
 - cardiovascular diseases
 - lung diseases
 - neurological diseases
 - renal and urinary tract diseases
 - oncological diseases
 - orthopaedic diseases
 - acutely ill children
- reporting in accordance with SBAR and record-keeping
- medication management and calculation
- medical technology
- equality, gender and socio-cultural aspects as well as equal access to good nursing care
- patient safety
- quality improvement
- collaboration and leadership in nursing
- ethical and professional approach
- current legislation and statutes

Realization

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

Learning takes place through activities that promote interaction between students themselves and between teachers and students. In this course, for example, literature studies, group work, laboratory experiments/simulations, workshops and seminars are used to aid student learning. Lectures are given in the chosen knowledge areas. Participation in laboratory experiments/simulations, workshops, seminars and placements 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. The course is examined individually or in groups through written and/or oral examinations, as well as assessment of professional skills. To pass the course the learning objectives must be met, which means a pass in the course as well as active participation in the mandatory parts.

Only one re-examination/transfer is given for the course in relation to the placement. If there are special circumstances, additional retakes/transfers can be granted. Special circumstances are those stated in Regulations of the National Agency for Higher Education HSVFS 1999:1.

Grades are set by the examiner.

Remarks

The course is held in the first cycle as part of supplementary training for nurses and includes a placement.

This course, containing components with a placement, is subject to *Special Regulations for Placements* according to the prefect decision of the Department of Health Sciences, Luleå University of Technology.

Passed course grades for this course constitute special eligibility for the last VFU course O0101H on the program and final exam

Literature. Valid from Autumn 2020 Sp 1

- Almås, H., Stubberud, D. & Grønseth, R. (red.) (senaste uppl.). Klinisk omvårdnad. 1. Stockholm: Liber.
- Almås, H., Stubberud, D. & Grønseth, R. (red.) (senaste uppl.). Klinisk omvårdnad. 2. Stockholm: Liber.
- Andersson, R., Jeppsson, B. & Rydholm, A. (red.) (senaste uppl.). Kirurgiska sjukdomar. Lund: Studentlitteratur.
- Björvell, C. (senaste upplagan). Sjuksköterskans journalföring. Lund: Studentlitteratur.
- *Boman, L. & Wikström, C. (senaste uppl.). Medicinsk teknik: [teori, planering och genomförande]. Lund: Studentlitteratur.
- Borgfeldt, C. (senaste upplagan). Obstetrik och gynekologi. Lund: Studentlitteratur.
- *Edberg, A. & Wijk, H. (Red.) (senaste uppl.). Omvårdnadens grunder. Hälsa och ohälsa. Lund: Studentlitteratur.
- *Ehrenberg, A. & Wallin, L. (Red.) (senaste uppl.). Omvårdnadens grunder: Ansvar och utveckling. Lund: Studentlitteratur.
- Ericson, E. & Ericson, T. (senaste uppl.). Medicinska sjukdomar: patofysiologi, omvårdnad, behandling. Lund: Studentlitteratur.
- *Friberg, F. & Öhlen, J. (Red.) (senaste uppl.). Omvårdnadens grunder: Perspektiv och förhållningssätt. Lund: Studentlitteratur.
- Grefberg, N. (red.) (senaste uppl.). Medicinboken: orsak, symtom, diagnostik, behandling. Stockholm: Liber.
- Heise Löwgren, C. (Red.) (senaste uppl.). Författningshandbok för personal inom hälso- och sjukvården. Stockholm: Liber. (Lagar och författningar kan även hämtas via nätet)
- Järhult, J. & Offenbartl, K. (senaste uppl.). Kirurgiboken: vård av patienter med kirurgiska, urologiska och ortopediska sjukdomar. Stockholm: Liber.
- *Lindskog, B.I. (senaste uppl.). Medicinsk terminologi. Lund: Studentlitteratur.
- Nilbert, M. (senaste uppl.). Klinisk onkologi. Lund: Studentlitteratur.
- *Nordeng, H., Nordeng, H. & Spigset, O. (senaste uppl.). Farmakologi och läkemedelsanvändning. Lund: Studentlitteratur.
- Nordeng, H. & Spigset, O. (senaste uppl.). Farmakologi och farmakologisk omvårdnad. Lund: Studentlitteratur.
- Norrbrink, C. (senaste uppl.). Om smärta- ett fysiologiskt perspektiv. Lund: Studentlitteratur.
- *Olsen, L.A. & Hälleberg Nyman, M. (senaste uppl.). Säker läkemedelsberäkning: dos, styrka, mängd. Stockholm: Natur & kultur.

*Literature has been used in earlier courses

Course offered by

Department of Health Sciences

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	.	U G#	10.5	Mandatory	S18	
0002	.	U G#	1.5	Mandatory	S18	
0003	.	U G#	1.5	Mandatory	S18	
0004	.	U G#	1.5	Mandatory	S18	
0005	.	U G#	4.5	Mandatory	S18	

Last revised

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

Syllabus established

by Prefekt vid Institutionen för hälsovetenskap 2017-09-15