

SYLLABUS

Anaesthetic care, Practice II 7.5 credits B7005H

Anestesisjukvård, Verksamhetsförlagd utbildning II

Course syllabus admitted: Spring 2023 Sp 3 - Present

DECISION DATE
2022-10-17

Anaesthetic care, Practice II 7.5 credits B7005H

Anestesisjukvård, Verksamhetsförlagd utbildning II

Second cycle, B7005H

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

Entry requirements

B7001H Nursing in Emergency Care 7,5 hp
B7002H Medical Science in Emergency Care 7,5 hp
B7003H Medical Science in Anesthesia Care 7,5 hp

The course requires the following approved modules or courses:

Module 0001 Evaluation of professional competence 6,0 Hp in course B7004H Anaesthetic care, Practice I

Selection

Examiner

Ulrica Strömbäck

Course Aim

After successfully completing the course, the student is expected to be able to plan and implement general anesthesia and lead anesthesiologic nursing of ASA I-V patients of all ages with planned procedures. The student will be able to discuss and present reasons for the choice of nursing interventions based on an evidence-based approach and ethical principles, and apply applicable relevant statutes and regulations.

In addition, the student should apply in-depth theoretical knowledge and practical skills in anesthesiologic nursing and medically indicated measures and be able to propose methods to plan, follow up and develop the activities in anesthesia care. The student will be able to independently document anesthesiological process and nursing, as well as manage the operation of medical technical equipment within anesthesiology. The student will be able to identify the need for additional knowledge in order to continuously further develop their skills and expertise in order to be able to provide safe and secure care.

Knowledge and understanding

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

- Discuss and present reasons for the choice of nursing interventions based on an evidence-based approach and ethical principles
- Describe the function of medical technology in anesthesiology
- Give suggestions on methods for planning, monitoring and developing the activities within anesthesia care
- Explain the relationship between nursing needs, risks and medically indicated measures in connection with anesthesia

Skills and abilities

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

- Under supervision, plan, prioritize, distribute and coordinate the anesthesiologic nursing work in collaboration with other professional groups
- 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 devices with a focus on safe care and sustainability
- Apply applicable relevant statutes and regulations, as well as local guidelines
- Organize and perform treatment for children with cardiac arrest

Evaluation capability and approaches

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

- Show accuracy and judgment in planning and implementation of anesthesiologic care and nursing for patients of all ages
- Show professional approach in collaboration with patients, their immediate family, and with other professional groups
- Critically reflect on existing procedures and methods and work for anesthesiologic nursing in accordance with science and proven experience
- Critically reflect on various solutions with ethical awareness and a scientific approach
- Show self-awareness and an empathic ability
- Take responsibility for one's own professional development by identifying and evaluating their own needs for additional knowledge in order to continuously further develop their skills and expertise

Contents

The experience of patients and their immediate family in connection with anesthesia

Ethics

Applicable statutes and regulations

Surveillance, nursing interventions and medically indicated measures for persons of all ages being cared for in anesthesia care risk-assessed ASA I-V.

Anesthesiologic nursing for patients of all ages

Safety during transportation of patients

Medical technology in anesthesia care

Organization and leadership in anesthesia care

Documentation of the anesthesiologic process and anesthesiologic nursing

Evidence-based nursing care

Improving knowledge

Scientific documentation and critical review

Child CPR (A)

Realization

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

Teaching and learning takes place by means of self-directed independent studies, lectures, study assignments, seminars and a practicum/internship under supervision. Participation in seminars and the practicum/internship placement 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.

Take-Home exam and/or seminar

Assessment of professional expertise

The grading criteria for Pass (G) is stated in the Study Guide.

Ordinarily only one reassignment will be allowed for the course with regard to the practicum/internship placement. If there are special reasons, an additional reassignment may be granted. What is meant by "special reasons" are those reasons stated in the Regulations from the Swedish National Agency for Higher Education, HSVFS 1999:1.

Remarks

The course is offered as part of a second-cycle study program within specialist training for nurse anesthetists and is a practicum/internship placement. 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.

Having attained an approved standard (passing grade) the VFU curricular segment in this course constitutes a special prerequisite for future VFU courses.

Transition terms

The study program and syllabus is valid from the autumn term 2020 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.

Literature. Valid from Spring 2023 Sp 3

Edberg, A-K., Ehrenberg, A., Friberg, F, Wijk H. & Öhlén, J. (red.). Omvårdnad på avancerad nivå: kärnkompetenser inom sjuksköterskans specialistområden. (Senaste upplagan). Lund: Studentlitteratur.

Författningshandbok: för personal inom hälso- och sjukvården. (Senaste upplagan). Stockholm: Liber. (Lagar och författningar kan även hämtas via nätet)

Henricson, M. (red.). Vetenskaplig teori och metod: från idé till examination inom omvårdnad. (Senaste upplagan). Lund: Studentlitteratur.

Hovind, I.L. (red.). Anestesiologisk omvårdnad. (Senaste upplagan) Lund: Studentlitteratur

Kvale, S. & Brinkmann, S. Den kvalitativa forskningsintervjun. (Senaste upplagan). Lund: Studentlitteratur.

Lindahl, S., Winsö, O. & Åkeson, J. (red.). Anestesi. (Senaste upplagan) Stockholm: Liber

Svenska rådet för hjärt-lungräddning. Avancerad hjärt-lungräddning till barn: kursbok med webbutbildning. (Senaste upplagan). Stockholm: Svenska rådet för hjärt-ungräddning

Wiklund Gustin, L. & Bergbom, I. (red.). Vårdvetenskapliga begrepp i teori och praktik. (Senaste upplagan). Lund: Studentlitteratur AB.

Willman, A. (red.). Evidensbaserad omvårdnad: en bro mellan forskning och klinisk verksamhet. (Senaste upplagan). Lund: Studentlitteratur.

Scientific articles and web-pages will be added

Course offered by

Department of Health, Education and Technology

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Practice	U G#	6	Mandatory	S23	
0002	Take-Home examination and/or seminar	U G#	1	Mandatory	S23	
0003	CPR - children	U G#	0.5	Mandatory	S23	

Syllabus established

by Anna Öqvist, Director of Undergraduate Studies at the Department of Health, Education and Technology 2022-10-17