



Course syllabus

Faculty of Health and Life Sciences

Department of Health and Caring Sciences

4VÅ627 Anestesisjukvård I, 22,5 högskolepoäng

4VÅ627 Anaesthesia Care in the Context of Nursing I, 22.5 credits

Main field of study

Medical Science, Caring Science

Subject Group

Nursing Science

Level of classification

Second Level

Progression

A1N

Date of Ratification

Approved by Faculty of Health and Life Sciences 2021-12-13

The course syllabus is valid from autumn semester 2022

Prerequisites

General entry requirements for studies at the second-cycle level and specific entry requirements as follows:

- A degree of bachelor of science in nursing of 180 credits or the equivalent
- A Swedish nurse's licence, issued by the National Board of Health and Welfare
- 90 credits in caring science, including an independent project of 15 credits at the G2E level, or the equivalent
- Professional experience as a registered nurse equivalent to at least 12 months of full-time employment
- Swedish 3 or the equivalent
- English 5 or the equivalent

Objectives

Knowledge and understanding

After completing the course, the student should be able to:

- A.1 describe and explain nursing science and have insight into current research
- A.2 explain and analyse physiological and pathophysiological processes related to organ systems and their complex interactions.

Competence and skills

After completing the course, the student should be able to:

- B.1 discuss organisational structure in the case of major accidents and disasters and analyse traumatological principles
- B.2 apply and analyse a professional and caring approach to patients and their loved ones
- B.3 problematise health promotion and preventive work from a patient safety perspective
- B.4 use and analyse teamwork
- B.5 plan, administer, and evaluate local and general anaesthesia, analgesia, and sedation in connection with surgeries, examinations, and treatments of patients
- B.6 identify the patient's care needs and plan, implement, and evaluate actions in collaboration with the patient and their loved ones.

Judgement and approach

After completing the course, the student should be able to:

- C.1 identify and analyse ethical issues in relation to ethical theory
- C.2 analyse the patient's perspective in nursing care in relation to caring science theory
- C.3 evaluate and reflect on the responsibility for sustainable development and its significance for people's health.

Content

The course includes the following content:

Module 1 – 7.5 credits

- patient perspectives in relation to ethical dilemmas
- professional and functional responsibilities
- pre- and intraoperative assessment and care in common healthcare situations
- physiological processes related to organ systems
- monitoring
- healthcare hygiene
- ergonomics and work environment
- one week of field studies.

Module 2 – 7.5 credits

- patient perspectives from a diversity perspective
- pre- and intraoperative assessment from a diversity perspective
- pathophysiological processes related to organ systems
- patient safety
- emergency medical treatment
- medical technology
- one week of field studies.

Module 3 – 7.5 credits

- patient perspectives in relation to complex situations
- pathophysiological processes and care in the case of vital function failure
- pre- and intraoperative assessments and care in complex situations
- postoperative assessment and pain physiology
- assessment and treatment of patients with acute illnesses or and/or injuries, who

- exhibit unstable signs and symptoms
- trauma and disaster medicine
- teamwork and interprofessional collaboration
- one week of field studies.

Type of Instruction

The educational foundation of the course supports problem-oriented and sustainable learning, independence, critical thinking, and taking responsibility for both individual work and collaborative knowledge development. Instruction is delivered in the form of individual work, group work, lectures, field studies, scenario-based training, seminars, and supervision. The course is partly conducted via an online learning platform. The course includes practical exercises aimed at developing skills, abilities, and attitudes.

Examination

The examination of the course is divided as follows:

Code	Designation	Grade	Credits
2201	Clinical examination I	U/G	3,00
2202	Written examination I	U/G/VG	4,50
2203	Clinical examination II	U/G	3,00
2204	Written examination II	U/G/VG	4,50
2205	Clinical examination III	U/G	3,00
2206	Written examination III	U/G/VG	4,50

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

The final course grade is issued only when all examination assignments have been approved. The course grading criteria are specified for each examination assignment, and serve as the basis for grading. In order to receive the grade of Pass the student must achieve the course objectives. In order to receive the grade of Pass with Distinction, the student must have been awarded this grade for two out of three written examinations.

Each module is examined relative to their content through a clinical examination and a written examination.

The individual clinical and written examinations are carried out in several steps, where both theoretical and practical knowledge is assessed and weighed to determine the grade for the module. The weighing process is described in the course study guide.

The individual written examinations are based on information gathered from the field studies.

Resit examination is offered in accordance with Local regulations for courses and examination at the first and second-cycle level at Linnaeus University.

If the university has decided that a student is entitled to special pedagogical support due to a disability, the examiner has the right to adapt the exam or to let the student conduct the exam in an alternative way.

Objectives achievement

The examination elements are linked to the course objectives in the following ways:

Goal	2201	2202	2203	2204	2205	2206
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Course Evaluation

During or shortly after the course, a course evaluation should be conducted. The result and analysis of the course evaluation should be promptly communicated to the students who have taken the course. Students who are taking the course when it is offered the next time should be informed of the result at the course introduction. The course evaluation is anonymous.

Credit Overlap

The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: 4VÅ613 Anaesthesia Care in the context of Nursing, 22.5 credits.

Required Reading and Additional Study Material

Almerud Österberg, S., & Nordgren, L. (Eds.). (2012). *Akut vård ur ett patientperspektiv*. Studentlitteratur, (in selection, 75 pp). ISBN: 9789144071008.

Berglund, M., & Ekebergh, M. (Eds.). (2019). *Reflektion i lärande och vård – en utmaning för sjuksköterskan* (2nd ed.). Studentlitteratur, (in selection 150 pp). ISBN: 9789144131979.

Chambers, D., Huang C., & Matthews, G. (2019). *Basic Physiology for Anaesthetists* (2nd ed.). Cambridge University Press, (in selection, 150 pp). ISBN: 9781108463997.

Dahlberg, K., & Ekman, I. (Eds.). (2017). *Vägen till patientens värld och personcentrerad vård*. Liber, (356 pp). ISBN: 9789147112715.

Edberg, A. K., Ehrenberg, A., Friberg, F., Wallin, L. Wijk, H., & Öhlén, J. (2021). *Omvårdnad på avancerad nivå: kärnkompetenser inom sjuksköterskans specialistområden* (2nd ed.). Studentlitteratur, (in selection, 200 pp). ISBN: 9789144136240.

Hovind, I. L. (2013). *Anestesiologisk omvårdnad* (2nd ed.). Studentlitteratur, (602 pp). ISBN: 9789144076591.

Lindahl, S., Winsö, O., & Åkeson, J. (Eds.). (2016). *Anestesi* (3rd ed.). Liber, (660 pp). ISBN: 9789147100545.

Lindén, M., & Öberg, P. Å. (2018). *Teknik i praktisk sjukvård* (4th ed.). Studentlitteratur, (in selectionk, 75 pp). ISBN: 9789144117324.

Nagelhout, J., & Elisha, K. (2018). *Nurse Anesthesia* (6th ed.). Elsevier Saunders, (864 pp). ISBN: 9780323443920.

Sandman, K., & Kjellström, S. (2018). *Etikboken: etik för vårdande yrken* (2nd ed.). Studentlitteratur, (in selection, 200 pp). ISBN: 9789144120539.

Werner, M. U., & Bäckryd, E. (Eds.). (2019). *Akut och cancerrelaterad smärta: smärtmedicin* vol. 1. Liber, (in selection, 100 pp). ISBN: 9789147112876.

Wihlke, G., & Schmidt, R. (Eds.). (2021). *Traumaomvårdnad – vård av svårt skadade patienter*. Liber, (260 pp). ISBN: 9789147127818.

Zetterström, H., & Hahn, R. (2021). *Blodersättning och vätsketerapi*. Studentlitteratur, (178 pp). ISBN: 9789144144184.

Current provisions, regulations, and research articles