



## Course syllabus

Faculty of Health and Life Sciences

Department of Health and Caring Sciences

4VÅ613 Anestesisjukvård, 22,5 högskolepoäng

Anaesthesia Care in the context of Nursing, 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 2015-02-23

Revised 2017-06-08 by Faculty of Health and Life Sciences. The literature list has been revised.

The course syllabus is valid from autumn semester 2017

### **Prerequisites**

Basic entry requirements for studies at advanced level and special entry requirements:

- Degree of Bachelor of Science in Nursing of 180 credits or equivalent
- Registered Nurse – Swedish registration
- Degree of Bachelor in Caring Sciences or equivalent
- Has worked professionally as a nurse for the equivalent of at least 12 months full time
- Swedish B/Swedish 3
- English A/ English 5

### **Objectives**

After completion of the course, in the context of Anaesthesia Care the student is expected to be able to:

- Apply, analyse and evaluate a professional approach to patients, relatives and staff
- Identify and analyse ethical dilemmas and problems related to lifeworld theory and systems theory
- Integrate and explain and analyse the physiological and pathological processes related to organ systems and their complex interactions
- Plan, implement and evaluate local and general anaesthesia, analgesia and sedation in connection with surgery, examinations and treatments of patients to identify care needs in collaboration with the patient and his/her relatives
- Problematize and analyse factors of importance for patient safety and quality

development

- Initiate, implement and evaluate health promotion and prevention efforts from a societal perspective
- Apply knowledge of organisations in the event of major accidents and disasters and apply traumatology principles
- Argue for and evaluate the importance of maintaining the patient perspective in nursing care
- Reflect on and analyse his/her own knowledge and own efforts in order to continuously develop his/her skills

#### ***Module 1 7.5 credits***

- The patient's world in the perioperative care context
- The professional and functional responsibilities of the anaesthesia nurse
- Physiological processes related to organ systems
- Pre-, intra- and post-operative assessment and nursing in frequently arising care situations in the context of anaesthesia care
- Care hygiene in an anaesthesia context
- Ergonomics and Occupational Health & Safety for the Anaesthesia Nurse including sustainable development
- The course includes clinical training of approximately one week (1.5 credits)

#### ***Module 2 7.5 credits***

- The patient's world in the perioperative care context in relation to ethical dilemmas
- Pathophysiological processes related to organ systems
- Pain physiology
- Medical technology, knowledge of devices and methods of measurement
- Pre-, intra- and post-operative assessment and nursing based on a diversity perspective
- Emergency medical treatment
- The course includes clinical training of approximately one week (1.5 credits)
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#### ***Module 3 7.5 credits***

- The patient's world in the perioperative care context in relation to complex care situations
- Pathophysiological processes and nursing in connection with the failure of the vital functions
- Pre-, intra- and post-operative assessment and nursing in complex care situations
- Trauma and disaster medicine
- Team work and interprofessional collaboration
- Care in the final stages of life and organ donation
- The course includes clinical training (VFU) of approximately one week (1.5 credits)

### **Type of Instruction**

- Individual project
- Work in group
- Lectures
- Seminars
- Field studies
- Scenario training

The course will be implemented in part via a learning platform. The course contains



THE COURSE WILL BE IMPLEMENTED IN PART VIA A LEARNING PLATFORM. THE COURSE CONTAINS EXERCISES TO TRAIN THE DEVELOPMENT OF SKILLS, CAPABILITIES AND APPROACH.

## Examination

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

The course is assessed with the graded Failed, Pass or Pass with credit.

Each module is examined in the form of a clinical examination and a written multi-stage examination in relation to the content of the module. To achieve a Pass grade, the objectives of the course must be met. To achieve a Pass with credit grade requires a Pass with credit in two of the three written examinations. Retaking the examination is offered.

## Course Evaluation

A course evaluation is conducted during the course or shortly after the course. The results and analysis of the course evaluation are to be provided to the students who completed the course and the students enrolled for the next time the course is run. The course evaluation is completed anonymously.

## Required Reading and Additional Study Material

Almerud Östberg, S. & Nordgren, L. (Red.). *Akut vård ur ett patientperspektiv*. Lund: Studentlitteratur, Latest edition, approx. 75 pp

Braun, C.A. & Anderson, C.M. *Patofysiologi*. Lund: Studentlitteratur. Latest edition, approx. 300 pp

Dahlberg, K. & Ekman, I. (Red.). *Vägen till patientens värld och personcentrerad vård*. Stockholm: Liber, Latest edition, approx. 225 pp

Edberg, A-K., Ehrenberg, A., Friberg, F., Wallin, L. Wijk, H. & Öhlén, J. *Omvårdnad på avancerad nivå: kärnkompetenser inom sjuksköterskans specialtområden*. Lund: Studentlitteratur, latest edition, approx. 200 pp.

Elmqvist, C. & Almerud Österberg, S. *Akut omhändertagande av trauma på skadeplats och på akutmottagning*. Lund: Studentlitteratur, Latest edition, approx. 100 pp

Gulbrandsen, T. & Stubberud, D G. *Intensive care, Avancerad omvårdnad och behandling*. Studentlitteratur. Lund, Latest edition, approx 200 pp.

Hahn, R. *Clinical fluid therapy in the perioperative setting*. New York: Cambridge University press. Latest edition, approx. 100 pp

Henneberg, S.W. & Hansen, T.G. *Börneanestesi*. Århus: AKAPRINT. Latest edition, approx. 250 pp

Hovind, I. L. *Anestesiologisk omvårdnad*. Lund: Studentlitteratur. Latest edition, approx. 300 pp

Jacobsen, B. *Existensens psykologi: en introduktion*. Stockholm: Natur och kultur, Latest edition, approx. 150 pp

Jacobson, B & Öberg, PÅ. *Teknik i praktisk sjukvård*. Lund: Studentlitteratur. Latest edition, about 75 pp.

Lindwall, I & von Post, I. *Perioperativ vård att förena teori och praxis*. Lund: Studentlitteratur, latest edition, approx. 100 pp.

Lilja Anderson, P. & Forsberg, A. *Leva vidare*. Stockholm: Natur och Kultur, Latest

edition, approx. 100 pp

Nagelhout John J & Plaus Karen L. *Nurse Anesthesia*. St. Louise, Missouri: Elsevier Saunders. Latest edition, approx. 700 pp

Nilsson, H. & Kristiansson, T. *Katastrofmedicinsk beredskap att leda sjukvård på ett särskilt sätt*. Lund: Studentlitteratur, latest edition, approx. 75 pp.

Öquist, O. *Systemteori i praktiken: konsten att lösa problem och nå resultat*. Stockholm: Gothia förlag, Latest edition, approx. 100 pp.

Relevant regulations, statutes and scientific journal articles