

## **ANSR10, Perioperative Nursing - Anesthesia Care I, 15 credits**

*Perioperativ omvårdnad med inriktning anestesijukvård I, 15  
högskolepoäng*

**Second Cycle / Avancerad nivå**

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### **Details of approval**

The syllabus was approved by Board of Health Sciences Education on 2015-03-26 to be valid from 2015-08-31, autumn semester 2015.

### **General Information**

*Main field of studies*

Medicine

Nursing

*Depth of study relative to the degree requirements*

A1N, Second cycle, has only first-cycle course/s as entry requirements

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### **Learning outcomes**

#### **Knowledge and understanding**

On completion of the course, the student should be able to

- describe and explain anatomy, biochemistry and biophysics, physiology and pathophysiology based on different diseases
- summarise and motivate hygienic and aseptic principles based on a perioperative perspective
- explain and motivate the need of perioperative nursing
- evaluate and suggest anaesthesia, analgesics and conscious sedation from a perioperative nursing perspective
- explain and motivate choice of and principles at basic anaesthesia and medical technology

#### **Skills and abilities**

On completion of the course, the student should be able to

- motivate, apply and evaluate principles of airway handling and the perioperative treatment

- independently apply Advanced Heart - and Lung Rescue (A CPR) to adult
- apply specialist skills at large accidents and disasters

### **Assessment skills and approach**

On completion of the course, the student should be able to

- identify and reflect around the professional role, nursing area, function and working environment of the anesthetic nurse
- critically evaluate and discuss scientific knowledge based on a medical and patient-centered perspective
- discuss and reflect around the crisis intervention and coping strategies in connection with mentally trying situations

### **Course content**

Biochemistry and biophysics  
 The blood and the coagulation system  
 Cardiovascular system  
 Neurophysiology  
 Respiratory system  
 The urinary tract system  
 Perioperative nursing  
 Pain and pain treatment  
 Hygienic and aseptic principles  
 Anaesthesiological concepts and methods  
 Pharmacology and pharmacokinetics  
 Medical technology including methods of measurement  
 Acute - and disaster medicine  
 Ordinances and safety precautions

Medical engineering parts:

- Free airways, intubation and preoperative preparations
- A-HLR

### **Course design**

The aim of the teaching and learning activities is for students to develop in-depth understanding and the activities are characterised by active information searching, problem solution, reflection and critical analysis. The learning activities include individual work, skills training, group work, peer learning, seminars and lectures.

### **Assessment**

The numbering of the forms of examination corresponds to the numbering of subjects examined above.

1. Individual written examination
2. Individual written examination
3. Written assignment, oral presentation individually and in groups at seminar with individual assessment.

4. Written assignment, oral presentation individually and in groups at seminar with individual assessment.
5. Written assignment, oral presentation individually and in groups at seminar with individual assessment.
6. Oral group assignment, oral presentation individually and in groups at seminar with individual assessment.
7. Practical application, individually and in groups at seminar with individual assessment.
8. Oral group assignment, oral presentation individually and in groups at seminar with individual assessment. Practical application, individually and in groups with individual assessment.
9. Practical application, individually and in groups with individual assessment.

Examination in groups can be replaced with individual examination at re-examinations.

One examination and two opportunities to re-take the examination are arranged for each subject examined. Students who do not achieve a pass on any of these occasions will be able to retake the examination on a later occasion. The number of re-examinations is limited to six. If a student has failed the same subject six times, no further examination opportunity will be provided. A student who has failed an examination twice may request that the programme director appoint a different examiner.

*Subcourses that are part of this course can be found in an appendix at the end of this document.*

## **Grades**

Marking scale: Fail, Pass.

For a grade of Pass, the student must have passed all subjects examined.

## **Entry requirements**

- Registered nurse with at least 180 credits including an individual assignment of 15 credits or the equivalent
- Work equivalent to one year of duty as a registered nurse

The courses are to be taken in the order they are offered.

## Subcourses in ANSR10, Perioperative Nursing - Anesthesia Care I

Applies from H15

- 1501 Profession and Science, 2,0 hp  
Grading scale: Fail, Pass
- 1502 Perioperative Care I, 1,5 hp  
Grading scale: Fail, Pass
- 1503 Perioperative Care II, 1,5 hp  
Grading scale: Fail, Pass
- 1504 Biomedicine, 5,0 hp  
Grading scale: Fail, Pass
- 1505 Perioperative Nursing and Anesthesiology, 5,0 hp  
Grading scale: Fail, Pass