



Faculty of Medicine

SINP10, Intensive Care Nursing I, 15 credits

Omvårdnad med inriktning intensivvård I, 15 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by Board of Health Sciences Education on 2015-02-12 to be valid from 2015-08-31, autumn semester 2015.

General Information

Main field of studies

Nursing

Medicine

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 SINP10, Intensive Care Nursing I

Applies from H15

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