



Faculty of Medicine

SJSE12, Technology and Methodology in Nursing, 7.5 credits

Omvårdnadens teknik och metod, 7,5 högskolepoäng
First Cycle / Grundnivå

Details of approval

The syllabus was approved by Board of Health Sciences Education on 2014-01-07 and was last revised on 2016-05-19 by The Nursing, Radiography, and Reproductive, Perinatal and Sexual Health Programmes Board. The revised syllabus applies from 2016-05-19, autumn semester 2016.

General Information

The course is included as a compulsory component in the Bachelor of Science programme in Nursing comprising 180 credits, but is also offered as a freestanding course. The course complies with the guidelines of the Higher Education Ordinance (SFS 1993:100 with later amendments). The course focuses on skills training based on theoretical components.

Language of instruction: Swedish
Some components may be in English.

Main field of studies

Nursing

Depth of study relative to the degree requirements

G1N, First cycle, has only upper-secondary level entry requirements

Learning outcomes

Knowledge and understanding

On completion of the course, the students shall be able to

- contrast different communication techniques focusing on the patient's needs (module 1),
- compare task-centred and person-centred approaches in connection with personal hygiene (module 1)
- explain safe preparation and administration of drugs (modules 1, 2 and 3),
- describe methods to assess a patient's risk of injury (module 2)
- explain both the background to and implementation of commonly occurring sampling of blood, urine, faeces and secretions (module 2)
- compare strategies to treat pressure ulcers, promote wound healing and prevent complications of wound healing (module 2)
- describe different clinical signs of impending or actual death and justify nursing interventions in these contexts (module 2)

Competence and skills

On completion of the course, the students shall be able to

- express in words and perform in stages basic hygiene, oral hygiene and adaptation of the environment of bedridden patients (module 1)
- systematically, aseptically and correctly perform capillary and venous sampling, and injections (module 2)
- systematically and using different techniques, perform a physical examination from head to toe (module 1)
- express in words and perform maintenance of catheters, tubes, and peripheral and central entries (modules 2 and 3)
- position, move and mobilise patients in a safe and ergonomic way (module 1)
- use medical technology to promote health and prevent complications (modules 1, 2 and 3)
- calculate, prepare and administer drugs in a safe way (modules 1, 2 and 3)

Judgement and approach

On completion of the course, the students shall be able to

reflect on differences between nursing and non-nursing interventions with regard to dignity, integrity, autonomy, gender, dependence and independence (modules 1, 2 and 3)

Course content

The course consists of three modules of one semester each.

Module/semester 1 (assessed component 1)

Communication techniques

Vital parameters

Basic hygiene

Aseptic procedures

Point-of-care nursing environments

Oral health

Drug management

First aid

Module/semester 2 (assessed component 2)

Risk assessment

Capillary and venous sampling

Wound treatment

Peripheral entries

Injectons

Urinary catheterisation (KAD)

Aseptic procedures

Nursing care of the deceased

Drug management

Module/semester 3 (assessed components 3-4)

Central entries

Feeding tube/nasogastric tube

Oxygen therapy

Suction of the upper airways and the lower airways through a tracheal cannula

Inhalation therapy

ECG

CPR

Blood grouping

Antibody screening test and blood transfusion

Drug management

Aseptic procedures

Course design

The teaching and learning activities are designed so as to enable students to develop a specialised understanding and are characterised by an active search for knowledge, problem solving, reflection and critical analysis. Among the work methods used are independent study, group work, peer review, skills training, seminars and lectures.

Absence from compulsory learning activities can be compensated for by other learning activities.

Assessment

One examination and two opportunities to retake the examination are arranged for each assessed component. Students who do not achieve a pass on any of these occasions will be able to retake the examination on a later occasion. A student who has failed an examination twice is entitled to request that another examiner be appointed by the programme director or equivalent.

At re-examination, individual examination may replace group examination.

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 pass on the course, the student must have passed all the assessed components.

Entry requirements

General and courses corresponding to the following Swedish Upper Secondary School Programs: Mathematics 2, Science 2, and Social Studies 1b/1a1+1a2. (Biology 1+Chemistry 1+Physics 1a/1b1+1b2 equals Science 1+2)

Further information

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

Subcourses in SJSE12, Technology and Methodology in Nursing

Applies from V14

- 1401 Pharmaceutical Preparation and Basic Nursing, 2,5 hp
Grading scale: Fail, Pass
Examination:

Individual written exam on drug management and completed compulsory learning activities.

- 1402 Medical-Technical Exercises I, 2,5 hp
Grading scale: Fail, Pass
Examination:

Compulsory learning activities including individual follow up.

- 1403 Medical-Technical Exercises II, 2,0 hp
Grading scale: Fail, Pass
Examination:

Individual practical exam and compulsory learning activities.

- 1404 Pharmaceutical Preparation, 0,5 hp
Grading scale: Fail, Pass
Examination:

Individual written exam.