



**Karolinska
Institutet**

Course syllabus for

Nursing in Emergency Care, 15 credits

Vård vid akuta sjukdomstillstånd, 15 hp

This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.

Please note that the course syllabus is available in the following versions:

[Autumn2012](#) , [Autumn2014](#) , [Spring2015](#) , [Autumn2015](#) , [Spring2016](#) , [Spring2017](#) , [Autumn2017](#) , [Autumn2018](#)

Course code	1SJ008
Course name	Nursing in Emergency Care
Credits	15 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Nursing
Level	G2 - First cycle 2
Grading scale	Pass with distinction, Pass, Fail
Department	Department of Neurobiology, Care Sciences and Society
Participating institutions	• Department of Clinical Science and Education, Södersjukhuset
Decided by	Programnämnd 1
Decision date	2011-10-04
Revised by	Education committee NVS
Last revision	2017-03-09
Course syllabus valid from	Autumn 2017

Specific entry requirements

Admission to semester 5: All courses from the semesters 1-3 Semester 4: Passed assessment from placement 9 credits + 7.5 credits in (1SJ006, 1SJ005)

Student who has failed on the clinical placement period as a consequence of that the student has shown so serious deficiencies in knowledge, skills or attitudes that the patient security or the patients

Objectives

The general aim of the course is that the student should acquire knowledge of human reactions at acute disease because from a whole and life-cycle perspective be able to identify, assess and meet the patient and family need of nursing. In addition, the student should achieve readiness at acute situations as well as obtain understanding of the role and interplay between man of the nurse and technology in emergency care with its complex medical engineering environments. Further, the student should acquire medicine

and nursing in disaster medicine to achieve readiness in connection with serious events (large accidents and disasters).

Learning outcomes

Module 1: Nursing at acute disease

Knowledge and understanding On completion of the course, the student should be able to:

- describe and explain failure in vital functions at acute illness and nursing in connection with this
- describe and explain relationships between statutes relevant in emergency care, medical engineering knowledge, patient security and ethical principles

Skills and ability On completion of the course, the student should be able to:

- identify and analyse nursing need, formulate nursing goals, describe planned and prioritised nursing actions as well as explain how these promote individuals' health and mitigate suffering

Judgement ability and approach On completion of the course, the student should be able to:

- analyse interplay between man and technology in care and nursing in emergency care

Module 2: Clinical placement

Skills and ability On completion of the course, the student should be able to:

- interact with patient and/or family when assessing problems and needs, plan care and nursing as well as analyse consequences of priorities at complex relations
- based on factual knowledge and the patient's experiences observe and carry out risk assessments of behaviours, signs and symptoms at acute disease consideration cultural aspects as well as the interplay man and technology
- apply principles of care of patients with failure or threatening failure in vital functions to promote health and well-being
- in writing and orally communicate information in the patient's nursing chain
- apply a for staff, environment and patient safe management of technical equipment as well as safe carrying out health care technical components
- count, give, administrate as well as handle drugs on a correct and patient safe way in relation to current laws and regulations
- under supervision care as well as analyse the quality of the nursing related to evidence-based knowledge
- interact with as well as analyse cooperation in the own and with other professions

Judgement ability and approach On completion of the course, the student should be able to:

- respond to and support patient and family in respectful consultation as well as carry out nursing based on the patient's experience of the situation
- justify and analyse ethical challenges and dilemmas that can arise in connection with emergency care and disasters
- reflect on the importance for equality in the meeting with the patient and family of the own pre-understanding
- apply principles of safe nursing environment with a focus on hygiene and aseptic to prevent disease transmission

Module 3: Drug dosage

Knowledge and understanding On completion of the course, the student should be able to:

- in a correct way calculate drugs, prepare and administrate drugs that are used in the emergency

care

Module 4: Disaster medicine

Knowledge and understanding On completion of the course, the student should be able to:

- describe and explain threats and risks in society
- describe and explain principles of the crisis of the society and disaster medical preparedness
- be familiar with international public international law
- describe and explain principles of triage and acute treatment
- describe and explain the whole nursing chain i.e. they were affected path to care unit

Skills and ability On completion of the course, the student should be able to:

- apply a medical and nursing readiness in connection with serious events

Judgement ability and approach On completion of the course, the student should be able to:

- identify and analyse own role and readiness based on the catastrophe plan and effort of the hospital
- reflect on consequences of unclear information transfer and deficient information at serious events
- reflect and analyse how crisis support is given during and after an effort to affected, family and staff
- reflect and analyse how disaster medical preparedness be exercised in a city compared with other areas with respect to both the population's special living conditions and the preconditions of the health care

Content

Nursing in illness and emergency care (4,0 hp), 4.5 hp In component 1, theoretical knowledge is included current:

- suffering, mitigated suffering, security and participation in care and nursing of patients with acute disease as well as their family
- communication and patient security in interplay between man and technology at short nursing meetings
- assessment, priority, implementation, documentation and evaluation of nursing with respect to circulation, consciousness, cognition, sleep, respiration, skin, nutrition, elimination, pain as well as communication ability
- observation, supervision, and assessment instruments
- principles of priority and acute treatment as well as

L-A-E the principle

- perioperative care
- medical technology in emergency care
- environment
- aseptic and hygiene
- ethical principles and equality
- evidence-based nursing in emergency care
- principles of handling of blood transfusion
- relevant statutes

Clinical training, 9 hp In component 2, application of knowledge is included current:

- suffering, mitigated suffering, security, participation, environment, patient security and technology in care and nursing
- assessment, risk assessment, priority, implementation, documentation and evaluation of nursing consideration respiration, circulation, consciousness, cognition, sleep, skin, nutrition, elimination, pain as well as communication ability
- supervision of vital functions
- observation, supervision, and assessment instruments
- principles of priority and acute treatment as well as L-A-E the principle
- oral and written information transfer in connection with the patient's transitions in the nursing chain and SBAR
- perioperative care
- principles of calculation, preparation, administration and handling of drugs
- handling of blood transfusion
- safe carrying out health care technical components such as central vein catheter and subcutaneous venous port
- handling of technology for example monitoring equipment as well as infusion and injection pumps
- ethical challenges, dilemmas and equality in emergency care
- relation about communication at short nursing meetings
- relevant statutes and safety precautions
- hygiene, aseptic, sterile management and ergonomics

Drug dosing, 0.5 hp In component 3 is included that:

- calculate amount of active substance, strength and dose to be able to prepare and administrate drugs correctly based on information in Fass
- calculate infusion rate based on assignment about the mvs/kg, day and mvs/kg weight of the body/time unit
- calculate amount of active substance based on square metre body surface area
- calculate extraction and consumption of medical gas

Disaster medicine, 1 hp Contents of component 4 concern:

- threats and risk situations in society
- local, regional, national and international disaster medical preparedness
- the aims of the disaster medical preparedness and definitions
- the management systems of the healthcare and cooperation at the regional and local level (nursing area and hospital)
- legislation
- Decision and triage in nursing area as well as they were affected path to correct care unit
- the disaster medical preparedness and effort of the hospital
- media and information at serious events

Examination

Other directives

Course evaluation takes place according to the guidelines that are established by the Board of Higher Education.

Literature and other teaching aids

Arman, Maria; Rehnsfeldt, Arne

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Akutvård ur ett patientperspektiv

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Lindh, Marion; Sahlqvist, Lena

Säker vård : att förebygga skador och felbehandlingar inom vård och omsorg

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1. utg. : Stockholm : Natur & Kultur, 2015 - 308 s.

ISBN:9789127142398 LIBRIS-ID:17421168

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ISBN:978-0-323-05641-0 (pbk.) LIBRIS-ID:11640805

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Björvell, Catrin; Björvell, Catrin

Sjuksköterskans journalföring och informationshantering : en praktisk handbok

3.,[utök.] uppl. : Lund : Studentlitteratur, 2011 - 245 s.

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Stockholm : Socialstyrelsen, 2005 - 1 PDF-fil (17 bl.)

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Rüter, Anders; Nilsson, Heléne; Vikström, Tore

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