Course syllabus for

**Basic Clinical Education 2, 7.5 credits**
Grundläggande verksamhetsförlagd utbildning 2, 7.5 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:
- Autumn2007
- Spring2008
- Autumn2008
- Spring2009

<table>
<thead>
<tr>
<th>Course code</th>
<th>1SK003</th>
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<tbody>
<tr>
<td>Course name</td>
<td>Basic Clinical Education 2</td>
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<tr>
<td>Credits</td>
<td>7.5 credits</td>
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<tr>
<td>Form of Education</td>
<td>Higher Education, study regulation 2007</td>
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<td>Main field of study</td>
<td>Nursing</td>
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<td>Level</td>
<td>G1 - First cycle 1</td>
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<td>Grading scale</td>
<td>Fail (U), pass (G) or pass with distinction (VG)</td>
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<tr>
<td>Department</td>
<td>Department of Laboratory Medicine</td>
</tr>
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<td>Participating institutions</td>
<td>- Department of Neurobiology, Care Sciences and Society</td>
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Decided by
Programnämnden för sjuksköterskeutbildning och specialistutbildningar för sjuksköterskor

Decision date
2007-12-19

Revised by
Programnämnden för sjuksköterskeutbildning och specialistutbildningar för sjuksköterskor

Last revision
2008-06-25

Course syllabus valid from
Autumn 2008

**Specific entry requirements**

For admission to the course, it is required that the student is admitted to the Study Programme in Nursing with general and specific entry requirements for higher education in accordance with the Higher Education Ordinance, Chapter 7 (Swedish Statute Book 1998:1003) Specific entry requirements: Specific entry requirements F. 1.1 Furthermore, at least 15 credits from semester 1.

**Objectives**

The general aim of the course is for the student to acquire basic medical knowledge and skills. On completion of the course, the student should be able to: - account for symptoms and treatment principles
in fluid balance disorders - account for principles of the assessment of nutritional status, and nutritional support - account for pain physiology and commonly occurring drugs for pain alleviation - account for laws and regulations concerning drugs - on the basis of a given prescription correctly calculate and administrate drugs - carry out basic health care technical parts - apply hygienic principles in the care - apply observation and assessment instruments with a focus on organ functions - identify the patient's basic care needs

Content

The course is divided in three parts: Part 1: Basic medicine, 2.2 credits (Basic medicine, 2.2 ECTS) Part 2: Drug Preparation and Administration, 0.8 credits (Drug Preparation and Administration, 0.8 ECTS) Part 3: Basic Medical Care in Clinical Education, 4.5 credits (Basic Medical Care in Clinical Education, 4.5 ECTS) Part 1 Basic medicine, 2.2 credits - the normal fluid metabolism in the body - fluid and electrolyte shift between the different fluid compartments of the body in hypertonic, isotonic and hypotonic dehydration. - formation mechanism, symptoms and measures in fluid balance and electrolyte disorders - energy needs, effects of malnutrition on organ systems and mood and routines for the assessment of nutritional status - basic diet for the sick in care and nursing, and food adapted to culture and religion, and principles of nutritional support. - the physiology of the nociceptive pain. - modes of action, effects and adverse reactions in common analgesics at nociceptive pain. - Laws and constitutions concerning the pharmaceutical field. Part 2 Drug Preparation and Administration, 0.8 credits - Units and unit changes. - Calculation of dose, active substance and strength - Calculation of dilution, infusion rate and infusion time. Part 3 Basic Medical Care in Clinical Education, 4.5 credits - Pulse and blood pressure measurement, vein and capillary sampling, injection and catheterising of urinary bladder and administration of oxygen on patient or at a clinical training center. - Hygienic principles in the care with the aim to prevent infections and disease transmission. - Medical observation and assessment instruments, such as VAS-scale for the evaluation of pain, and a list for registration of fluid and energy intake. - The patient's basic care needs regarding fluid balance, nutrition and pain. - Handling of drugs

Basic medicin, 2.2 hp
Grading scale : VU

Drug preparation and administration, 0.8 hp
Grading scale : VU

Basic Medical Care in Clinical Education, 4.5 hp
Grading scale : VU

Teaching methods

The working methods aim partly at integrating the field of knowledge of the education, partly at integrating theoretical knowledge in a clinic and clinical knowledge in theory. The working methods, that are student-activating, furthermore aim to train a scientific approach through active knowledge acquisition, problem-solving and critical reflection. In this course, the following working methods are used: lectures, seminars, laboratory session, proficiency training, placement and literature studies. In the placement, reflection, individually and in groups, is included. Compulsory participation: The course comprises compulsory teaching. Placement is always compulsory, otherwise, turn to the study guide and timetable where compulsory parts are indicated. In case of absence from compulsory parts, see to instructions in the study guide. The nursing education - modified distance education The modified distance education is IT-based and characterised by independent and collaborative learning. Various working methods such as individual study assignments, work in groups, lectures, discussions and
seminars both virtually and at physical meetings are used. The number of physical hits is limited to at most 1 in-service training day/1.5 credits.

Examination

Assessment of the students' achievements and knowledge acquisition takes place continuously during the course. Part 1 is examined through an individual written examination Part 2 is examined through an individual written examination Part 3 is examined through individual assessment according to evaluation forms and clinical examination, or practical tests. During the placement, a continuous assessment of the students' achievements takes place. Half-time and final assessment should be conducted. Professional supervisors provide a basis for assessment according to the evaluation forms. For students at the risk of failure, a written plan should be set up, at the latest at the mid-way assessment, by the course coordinator together with a professional supervisor. The student should have satisfied the requirements of the component parts in order to get a Pass grade in the entire course. Failed clinical education may be done once more. For a Pass grade in the course, it is required that the learning outcomes are fulfilled which implies approved results in parts 1, 2 and 3, and participation in compulsory parts. A Pass with distinction in the course requires approved results in parts 1 and 2 and a Pass with distinction in part 3, and participation in compulsory parts. Grades are assigned by examiner. Limitation of number of examinations: Written individual examination. A student has the right to participate in six examination sessions all together. A student without an approved result after three examinations can be offered to take the course once more. However, there are at most six examination opportunities for each course. Times for examinations are announced at the beginning of the course.

Transitional provisions

For course that has been closed-down or undergone major changes or where the reading list has been changed considerably two additional tests (excluding regular tests) in the previous literature and the earlier contents should be given during a period of a year from the date of the change.

Other directives

The course is given in semester 2 in the Study Programme in Nursing, 180 credits The course is coordinated with the course: Clinical Education 1 Individual written evaluation will be carried out after each part according to the guidelines that are established by the Board of education.

Literature and other teaching aids

Abrahamsson, Lillemor; Aunver, Kristjan

Näringslära för högskolan
5 : Stockholm : Liber, 2006 - 461

Björkman, Anna-Maria

Läkemedelsberäkning och läkemedelshantering
Lund : Studentlitteratur, 2001 - 236

Björkman, Eva; Karlsson, Karin

Medicinsk teknik för sjuksköterskor : material, metod, ansvar
ISBN:91-44-01669-7 LIBRIS-ID:8353030

Library search
Hokland, Bjørn; Madsen, Steinar

Klinisk kemi och fysiologi

Björndahl, Lars; Kvist, Ulrik


Library search

Mat och näring för sjuka inom vård och omsorg

Nilsson Balknäs, Ulla; Andersen, Merethe

Uppsala : Statens livsmedelsverk, 2003 - 98 s.
ISBN:91-7714-166-0 (spiralh.) LIBRIS-ID:9057765

Library search

Medical-surgical nursing : assessment and management of clinical problems

Lewis, S; Heitkemper, M; Dirksen, S; O’Brien, P; Bucher, L


Library search

Raadu, Gunnel

Författningshandbok för personal inom hälso- och sjukvården. n 2007 = 38. uppl.

Raadu, Gunnel

Stockholm : Liber, 2008 - 753 s.
ISBN:9789147015160

Library search

Simonsen, Terje; Aarbakke, Jarle; Hasselström, Jan

Illustrerad farmakologi

Stockholm : Natur och kultur,

Library search