COURSE SYLLABUS

Omvårdnad, vetenskapliga teorier och metoder
Nursing, Scientific Theories and Methods

9 ECTS credit points (9 högskolepoäng)

1 Course title and credit points
The course is titled Nursing, Scientific Theories and Methods/Omvårdnad, vetenskapliga teorier och metoder and awards 9 ECTS credits. One credit point (högskolepoäng) corresponds to one credit point in the European Credit Transfer System (ECTS).

2 Decision and approval
This course is established by School of Health Science 2013-03-15. The course syllabus was revised by Head of Department of Health and applies from 2016-08-22.
Reg nr BTH-4.1.1-0308-2016

3 Objectives
The aim of the course is to enable students to acquire in-depth knowledge of scientific theories and methods. A further aim is for the student to be able to write and defend a project plan independently prior to a first cycle care degree project.

4 Content
• Knowledge theory
• Scientific philosophy
• Scientific methodology courses, qualitative and quantitative research methods and evidence-based search for knowledge
• Systematic data collation, critical reflection, critical examination
• Initiate and take part in research work/improvement work
• Methods for collation and analysis of data (interview, questionnaire, observation, statistics, content analysis, concept analysis)
• Work based on a scientific approach and scientific collation of written material in the form of a project plan
• Verbal and written presentation of a project plan as well as a critical examination of the work of another person.

5 Aims and learning outcomes
Following completion of the course, students will be able to:
• independently retrieve and critically examine scientific material and apply different information and communication systems
• compare different scientific theory and philosophical orientations which guide the choice of problem area, research issue and method
• assess and reach conclusions regarding different scientific data collation methods and analyse and collate analyses and conclusions in writing
• possess in-depth know-how about a scientific approach and put this knowledge into writing in the form of a project plan
• critically interpret, examine, summarise, assess and discuss the work of a fellow student
• describe and explain terms and concepts that are relevant to the course in question.

6 Learning and teaching
Problem-based learning with teacher-led introduction and resource lectures, supervision in groups and seminars are the methods used within the course. Teaching is conducted in Swedish. There could be some teaching in English. Teaching also takes place in part via a relevant learning platform. The teaching language is Swedish. However, the teaching could be carried out in English.

7 Assessment and grading

<table>
<thead>
<tr>
<th>Code</th>
<th>Module</th>
<th>Credit</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>1305</td>
<td>Study group</td>
<td>2 ECTS</td>
<td>G–U</td>
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<tr>
<td>1315</td>
<td>Workshop</td>
<td>1 ECTS</td>
<td>G–U</td>
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<tr>
<td>1325</td>
<td>Workshop</td>
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<tr>
<td>1335</td>
<td>Literature Seminar</td>
<td>1 ECTS</td>
<td>G–U</td>
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<tr>
<td>1345</td>
<td>Project xxx</td>
<td>4 ECTS</td>
<td>G–U</td>
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The course will be graded G Pass, UX Insufficient, supplementation required, U Fail.

The students are examined by means of written and verbal examinations and through continuous assessment of the students' study achievements in conjunction with participation in base group meetings, seminars and group discussions. Examination of a placement takes place through individual assessment of the capacity to put theory into practice within care and nursing. A student can resit the examination twice within one year.

8 Course evaluation
The course coordinator is responsible for systematically gathering feedback from the students in course evaluations and making sure that the results of these feed back into the development of the course.

9 Prerequisites
The special prerequisite for this course, besides basic eligibility for university studies, is fieldeligibility 16: Civics A, Mathematics B and Science studies B. (General Science B can be replaced by Physics A, Chemistry A and Biology A with a minimum of a Pass grade)
To proceed term 3 to term 4, successful completion of term 2 is required as well as the course: Nursing in ill health 12 HEC.

10 Field of education and subject area
The course is part of the field of education and is included in the subject area Nursing Science.

11 Restrictions regarding degree
The course cannot form part of a degree with another course, the content of which completely or partly corresponds with the contents of this course.

12 Course literature and other teaching material