



Faculty of Health, Science and Technology
Nursing Science

Syllabus

The nursing profession and responsibilities for nursing in health and illness based on geriatric and cardiovascular care and pharmacology

Course Code: OMG112

Course Title: The nursing profession and responsibilities for nursing in health and illness based on geriatric and cardiovascular care and pharmacology
Sjuksköterskans profession och ansvar för omvårdnad vid hälsa och ohälsa utifrån geriatrisk och kardiovaskulär vård samt farmakologi

Credits: 30

Degree Level: Undergraduate level

Progressive First cycle, has less than 60 credits in first-cycle course/s

Specialisation: as entry requirements (G1F)

Major Field of Study:
OMA (Nursing Science)

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2024-08-27, and is valid from the Spring semester 2025 at Karlstad University.

Prerequisites

Registered for The nursing profession and responsibilities, fundamentals of nursing and medical science, 30 ECTS credits, including 3 ECTS credits of clinical placement (VFU) completed, or equivalent

Learning Outcomes

Upon completion of the course, students should be able to:

Knowledge and understanding

1. explain medical diseases and their specific care,
2. explain cognitive impairment, cognitive diseases, and their specific care,
3. explain the health and illness of the elderly,
4. explain the function of the skin, common skin diseases, and their specific care,
5. explain basic pharmacology and polypharmacy, and
6. explain the framework Fundamentals of Care.

Competence and skills

7. perform correct medication calculations based on written prescriptions,
8. apply structured information transfer within nursing,
9. describe scientific paradigms in nursing research and the research questions pertaining to nursing within each paradigm,
10. describe the characteristics of a scientific article and use a template for critical review of a scientific article,
11. use database searches to answer questions relevant to nursing,
12. apply the nursing process and identify individual needs, goals, resources, and risks in relation to basic needs and nursing, and use assessment tools,
13. explain and use hygienic and ergonomic principles, and
14. explain and independently perform common medical-technical methods.

Judgement and approach

15. demonstrate self-awareness and empathy in the care of the elderly,
16. perform basic and specific care with judgment, accuracy, and responsibility in the care of the elderly,
17. apply person-centred communication in interactions with patients, using language which is adequate and functional for the context,
18. independently apply structured assessment of vital parameters, and
19. reflect on the care of deceased persons.

Content

Instruction is in the form of self-study, lectures, seminars, clinical skills training, group work, peer review, and workshop.

The course integrates Nursing (19.5 ECTS cr), Medical science (8.5 ECTS cr), and Social and behavioural sciences (2 ECTS cr), including a clinical placement (7.5 ECTS cr).

Medical conditions and their specific care:

Anatomy, function, diseases of the skin, wounds, and the wound healing process

Basic and specific pharmacology

Infectious diseases

Incontinence

Obstructive lung diseases

Urological diseases

Venous and cardiovascular diseases

Eye diseases

Ear diseases

Upper respiratory tract diseases

The Elderly:

Family-focused nursing care

Individual needs and goals
Cognitive disease
Cognitive impairment
Communication and conversation
The importance of organisation in the nursing care of the elderly
Mental health issues in the elderly
Rehabilitative approach
Ageism

Professional Development:

Assessment tools in nursing care
Fundamentals of Care as a theoretical framework for nursing
The nursing process
The individual needs, goals, resources, and risks of patients
Structured assessment of the condition of patients according to ABCDE and vital parameters
Self-reflection on strengths and limitations
Team collaboration
End-of-life care

Clinical Skills:

Wound treatment
Venipuncture
Injections
Bladder catheterisation
SBAR
Medication management
Compression bandaging

Reading List

See separate document.

Examination

The course is assessed through written exams, digital individual exams, group reports, peer review, seminars, skills assessments, simulations, and clinical placement (VFU). Skills assessments are examined based on the idea of progression, and elements from previous courses may be included. The clinical placement (VFU) includes 32 hours of mandatory attendance per week at the clinic. Mandatory attendance also applies to clinical skills and workshops. Mandatory elements must be completed according to instructions to participate in the associated examination.

A student who has not passed the regular examination in the course is given the opportunity for re-examination at least twice within one year. A student who has not passed the clinical placement component is given the opportunity for re-assessment on one occasion. Examinations requiring a clinical placement are carried out as far as possible the next time the course is offered, but no later than within one year.

The examiner may decide that a student who is very close to a passing grade can complete a supplementary assignment to receive a passing grade for a specific examination. Additional examination material must be submitted within six days of notification. The supplementary assignment only is then assessed in accordance with the assessment criteria, and if it is insufficient, a grade of fail (U) will be given.

If students have a decision from Karlstad University entitling them to Targeted Study

Support due to a documented disability, the examiner has the right to give such students an adapted examination or to examine them in a different manner.

Grades

One of the grades Distinction (VG), Pass (G), or Fail (U) is awarded in the examination of the course.

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional information

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the obligations and rights of students and staff.

The course is part of the Nursing Program. Courses with overlapping content cannot be included in the degree.

The examiner may be forced to terminate ongoing clinical training if the student acts grossly incompetently at the clinic and the actions pose a risk of personal injury.

Termination of clinical training means that the student is assessed as failed by the examiner. A student whose clinical training has been terminated due to gross incompetence may not undertake the clinical training period again until the examiner has checked and approved that the student has the knowledge and skills needed to resume the clinical training period. The decision must be formulated in writing and state the grounds for failure. An individual study plan must then be established for the student, indicating the knowledge and skill deficiencies, the support offered by the educational institution, how the knowledge check will be conducted, and when the first check will take place. The student is entitled to two clinical placement periods to achieve a passing grade.

As stipulated in the Higher Education Act Chapter 4, sect. 6, SFS 1992: 1434, and Regulations of Student Expulsion from Higher Education SFS 2007: 989, a student who suffers from mental disorder, abuses alcohol or drugs, or has been guilty of a serious offence endangering others or valuable property can be expelled until further notice. In such a case, the Vice-Chancellor files a complaint to the Expulsion Board of Higher Education, which investigates the matter and makes a decision. A decision of expulsion shall always entail that the student must discontinue the education until further notice. The Expulsion Board of Higher Education is responsible for all Swedish higher education institutions.