



Faculty of Health, Science and Technology  
Nursing Science

# Syllabus

## Pathology and prescription rights

<b>Course Code:</b>	KMA317
<b>Course Title:</b>	Pathology and prescription rights <i>Sjukdomslära och förskrivningsrätt för vissa läkemedel</i>
<b>Credits:</b>	15
<b>Degree Level:</b>	Master's level
<b>Progressive Specialisation:</b>	Second cycle, has second-cycle course/s as entry requirements (A1F)

### Major Field of Study:

### Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2022-02-07, and is valid from the Spring semester 2023 at Karlstad University.

### Prerequisites

Swedish nursing licence and at least 60 ECTS credits for further training courses, or a specialist nursing degree, or admission to the specialist nursing programme in public health care, plus upper secondary level Swedish 3 or Swedish as a second language 3 and English 6, or equivalent

### Learning Outcomes

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

- identify and explain central concepts in pharmacodynamics and pharmacokinetics,
- identify and explain pharmacological interaction and the risks of pharmacological treatment,
- describe and analyse quantitative methods and assess validity and reliability,
- identify and reflect on research ethical issues and considerations,

- assess the need of pharmacological and non-pharmacological treatments and prescribe them,
- give an account of and apply ordinances and other regulations in connection with the prescription of medicinal products,
- give an account of medicinal treatment of patients with different medical conditions in relation to the nurse's rights to prescribe medicinal products,
- plan and conduct instruction to patients on the administration of medicinal products, and
- reflect on age and gender perspectives in relation to medicinal treatment.

### **Content**

This is a course in Medical science (15 ECTS cr). Instruction is in the form of lectures, study assignments and group work. All instruction pays attention to the scientific basis and evidence-based knowledge of the field. The course is in the form of distance education. Students study independently, in groups and in on-campus meetings. The course is partly net-based and different information and communication techniques are used.

Pharmacological concepts, their meaning and importance to prescription and the use of medicinal products are studied. Pharmacological interactions and risks are treated. FASS and the pharmaceutical handbook are studied to ensure safe handling of medicinal products.

Pathology, diagnosis, examination and treatment are treated in depth in relation to the following areas of the nurse's prescription rights: mouth and throat, stomach and intestines, nutrition, wounds, skin infection, eczema, face and scalp, skin, infection, urinary tract and genital organs, maternity care, pain, ear-nose-throat and eyes.

Pedagogy is studied in relation to instructing patients. On the basis of the public health nurse's field of work quantitative methods are studied and analysed with regard to the purpose, design, data collection and analysis methods of different studies and their reliability and validity. Different statistical methods and their usage are also treated. Research ethical issues and considerations are studied in relation to the legislation and frameworks relevant to nursing research.

The nurse's prescription rights and pharmaceutical handling are treated in relation to ordinances and regulations. Students practise assessing the need of medicinal products in terms of assessment support and discuss the effect of incontinence products on the environment, for example, as well as prescribing pharmaceuticals and medical aids.

### **Reading List**

See separate document.

### **Examination**

Assessment is based on an individual written online exam, two individual written take-home exams, a group exam and roleplay, both individually assessed.

Supplementary examination is permitted if the material for the assessment of a learning outcome is lacking, or if the result is close to the requirements for a Pass grade. Additional material must be submitted within six days of notification.

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.

Required course for the specialist nursing programme: Public health care, and open as a freestanding course to non-programme students.