



Faculty of Health, Science and Technology
Nursing Science

Syllabus

Prehospital trauma and care

Course Code:	KMA403
Course Title:	Prehospital trauma and care <i>Akutsjukvård med inriktning mot trauma inom ambulanssjukvård</i>
Credits:	9
Degree Level:	Master's level
Progressive Specialisation:	Second cycle, has only first-cycle course/s as entry requirements (A1N)

Major Field of Study:

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2022-02-09, and is valid from the Autumn semester 2022 at Karlstad University.

Prerequisites

Admission to the Nursing Specialist Programme: Prehospital emergency 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:

- give an account of pathophysiological processes in different types of trauma leading to prehospital care of patients of all ages,
- explain and assess the kinematic effects on the human body in accidents,
- assess the validity and reliability of quantitative studies in a prehospital context,
- apply and evaluate structured assessment and care, nursing and medical treatment in the care of traumatic patients of all ages, and
- plan and apply methods for freeing trapped patients in the context of road accidents.

Content

Nursing, 2 ECTS cr, and medical science, 7 ECTS cr, are integrated.

Instruction is in the form of lectures, study assignments, seminars, practical exercises and patient simulator training. The course is offered part-time and partly as distance education, partly on campus and in the training area. These components are in some cases concentrated to a number of consecutive days on campus.

Trauma is studied in relation to anatomy, physiology, pathophysiological processes, kinematics, care and treatment. Also treated are assessment of vital parameters in relation to pathophysiological processes, trauma location and the effects of trauma kinematics such as blunt force and penetrating trauma and burns. On the basis of prehospital research, students also study concepts such as reliability and validity in quantitative research and how different statistical methods are used. Students study and practise freeing trapped patients in the context of road accidents, structured assessment, nursing and medical treatment and the care of traumatic patients of all ages in the prehospital context. Injury prevention, primary and secondary medical examination, assessment of vital parameters and maintaining vital functions are also treated.

Reading List

See separate document.

Examination

Assessment is based on individual written exams and on practical performance. The written exams cover the theoretical parts of the course. The practical assessments cover structured assessment, medical care and treatment of traumatic patients, and freeing trapped patients in the context of road accidents, carried out with patient simulator at a clinical training centre, or equivalent.

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: Prehospital emergency care.

