

**SYLLABUS**

# **Medical Science in Emergency Care 7.5 credits M7001H**

**Medicinsk vetenskap inom akutsjukvård**

**Course syllabus admitted: Autumn 2024 Sp 1 - Present**

**DECISION DATE  
2024-02-13**

# Medical Science in Emergency Care 7.5 credits M7001H

## Medicinsk vetenskap inom akutsjukvård

### Second cycle, M7001H

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	U G VG *	Medicinsk vetenskap	Medicine

## Entry requirements

Bachelor Degree in Nursing

## Selection

The selection is based on 30-285 credits

## Course Aim

On completion of the course, the student should:

- Demonstrate advanced theoretical knowledge in topographic anatomy, physiology, cardiology and pharmacology
- Assess, organize and initiate treatment of a seriously ill/injured individual
- Demonstrate a professional attitude in teamwork
- Be able to describe quantitative research methods for data collection and analysis
- Be able to describe the specialist nurse intervention in a disaster situation
- Be able to describe and apply hospital hygienic principles within emergency care

This knowledge constitutes a basis for future nursing and placement courses and is a precondition for providing secure nursing and patient safety in future professions.

## Contents

- Topographic anatomy
- Traumatology
- Physiology
- Cardiology
- Infection control in emergency care
- Pharmacology with pharmaceutical calculation
- Acute infectious conditions
- Scientific methodology
- Emergency medicine

## Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

The contents of the course elements and the course's teaching methods are specifically tailored for the future profession as a nurse in emergency care. The teaching methods vary with individual studies, individual work or group work, lectures, practical elements and seminars. Different working methods stimulate active knowledge acquisition, group discussions and reflection. Seminars and practical elements constitute obligatory elements. As support for the individual studies the students are offered lectures via distance-spanning technology. The studies are carried out by means of detailed objectives and instructions which can be found in the study guide of the course.

## Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. The course is examined with written individual examination and seminar and/or take-home examination. Alternative examination formats may be used.

## Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term "unauthorized aids" refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

## Remarks

This course is given for second-cycle studies. Study supervision is provided in the university's teaching platform.

## Transition terms

This course replaces HMMV054

## Course offered by

Department of Health, Education and Technology

## Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0011	Seminar and/or assignment report	U G#	1.5	Mandatory	A16	
0015	Written exam Physiology	U G VG *	2.5	Mandatory	A18	
0017	Written exam Traumatology	U G VG *	1	Mandatory	A21	
0018	Written exam Topographic anatomy	U G VG *	1	Mandatory	A21	
0019	Written exam Cardiology	U G VG *	1.5	Mandatory	A24	

## Last revised

by Jenny Jäger, Director of Undergraduate Studies at the Department of Health, Education and Technology 2024-02-13

## Syllabus established

by Prefekt vid Institutionen för hälsvetenskap 2007-05-15