

SYLLABUS

Medical Science Emergency care 7.5 credits M0059H

Medicinsk vetenskap Akutsjukvård

Course syllabus admitted: Spring 2016 Sp 3 - Spring 2016 Sp 4

**DECISION DATE
2015-11-05**

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Medicinsk vetenskap Akutsjukvård

First cycle, M0059H

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

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language and Degree of Bachelor of Science in Nursing

Selection

The selection is based on 1-165 credits.

Examiner

Helena Nord-Ljungquist

Course Aim

The student should, on completion of the course, have acquired knowledge of failing vital functions and be able to theoretically and practically apply individual care and treatment strategies based on evidence and current research in emergency care.

Contents

- Physiological and pathophysiological mechanisms underlying the onset of acute diseases.
- Theory and placement directed towards the acute and critically ill patient with failing vital functions.
- Drugs that can be used in acute conditions.
- Advanced cardiopulmonary resuscitation according to national guidelines.
- Simulation exercises with realistic patient cases.
- Practical exercises.
- Evidence-based medicine

Realization

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

To reach the level descriptors, the student should work independently, based on the literature and through group cooperation according to the instructions in the study guide. As support for the individual studies, the students are offered lectures and resource time via distance-bridging technology. Training and examination in the simulation laboratory and CPR laboratory are carried out on at most two occasions on campus. A computer with headset and web camera is a requirement to carry out 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 objectives are examined in the form of written individual examination, seminars and practical modules according to the below test descriptions. Criteria for pass and pass with distinction are stated in the study guide

Remarks

This is a first-cycle course. Study supervision is provided in the course room in Fronter.

Literature. Valid from Spring 2016 Sp 3

Sand, O. (2007). Människokroppen: fysiologi och anatomi. (2nd ed.) Stockholm: Liber. Or other equivalent literature
Svenska rådet för hjärt-lungräddning (2011). A-HLR: defibrillering och läkemedel: kursbok. (1st ed.) Göteborg: Svenska rådet för hjärt-lungräddning.
Wikström, J. (2012). Akutsjukvård: omvårdnad och behandling vid akut sjukdom eller skada. (2nd.[updated] ed.) Lund: Studentlitteratur.

Referenslitteratur

Wood, I. & Garner, M. (red.) (2013). Inledande omhändertagande av akut sjuka personer: en bok för sjuksköterskor. (1st. ed) Lund: Studentlitteratur.
www.fass.se
www.varldhandboken.se

Scientific articles to be added.

Course offered by

Department of Health Sciences

Items/credits

Number	Type	Credits	Grade
0001	Individual electronic examination	3	U G VG
0005	Advanced CPR	0.5	U G#
0006	Medical simulation	1.5	U G#
0007	Laboratory session	1.5	U G#
0009	Seminars	1	U G#

Last revised

by 2015-11-05

Syllabus established

by Prefekt vid institutionen för hälsovetenskap 2011-02-07