

SYLLABUS

Medical Science: Anatomy and Physiology in position to Radiology 7.5 credits M0026H

Medicinsk vetenskap Anatomi och Fysiologi inriktning radiologi

Course syllabus admitted: Autumn 2017 Sp 1 - Spring 2020 Sp 4

**DECISION DATE
2017-02-10**

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Medicinsk vetenskap Anatomi och Fysiologi inriktning radiologi

First cycle, M0026H

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

Selection

The selection is based on final school grades or Swedish Scholastic Aptitude Test.

Examiner

Johan Kruse

Course Aim

This course is a first-cycle course in anatomy and physiology and constitutes a basis for further studies in radiology. After the course, the student should be able to:

- Describe the normal structure and function of the human body
- Identify and name anatomic structures with medical terms
- Explain basic physiological processes
- Measure blood pressure via palpation, auscultation and digital methods.
- Adequately take care of an apparently unresponsive individual

Contents

- Basic anatomy
- Basic physiological processes
- The cell
- Tissues
- Skin
- The sensory organs
- Bones and muscles
- Gastrointestinal tract and metabolism
- Neuroanatomy
- Heart, lungs and blood circulation
- Kidneys, urinary tract and genitalia

Realization

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

The course offers students introducing and inspiring lectures in the diverse sections in order to reach course's objectives. The literature studies are supported by reading instructions and lectures that partly take place on campus, via the distance-bridging technology Adobe Connect and recorded lectures in Canvas. Basic physiology and anatomy are trained and examined through compulsory laboratory sessions in cardiopulmonary resuscitation, pulse and blood pressure measurement, dissection and palpation exercises with intention to offer a confident and patient safe care.

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 practical parts of the course are examined through laboratory sessions. The theoretical sections are examined through written examination. Passing the course requires passing all examination parts. Examination formats may vary.

Overlap

The course M0026H is equal to M0098H

Literature. Valid from Spring 2016 Sp 3

Lindskog, B. I. (2008 and later). Medicinsk terminologi. (5., [rev.] ed.) Stockholm: Norstedts Akademiska Alt:

Lundh, B. & Malmquist, J. (2009 and later). Medicinska ord: det medicinska språket : begrepp, definitioner, termer. (5., [rev. och ext.] ed.) Lund: Studentlitteratur.

Sand, O. (2007 and later). Människokroppen: fysiologi och anatomi. (2nd ed.) Stockholm: Liber.

Vigué, J. & Martín Orte, E. (2006 and later). Atlas över människokroppen. (1st ed.) Stockholm: Liber.

Reference literature may be added and is stated in the study guide.

Course offered by

Department of Health Sciences

Items/credits

Number	Type	Credits	Grade
0008	Practice exercise in blood-pressure and puls	0.5	U G#
0009	Practice exercise in basic cardio pulmonary rescue CPR	0.5	U G#
0010	Practice exercise in palpation	0.5	U G#
0011	Practice exercise in dissection	0.5	U G#
0013	Written exam	3.5	U G VG
0014	Digital examination	1	U G#
0016	Written exam (part of examination)	1	U G VG

Last revised

by 2017-02-10

Syllabus established

by Prefekt vid institutionen för hälsvetenskap 2007-05-15