

SYLLABUS

Medical Science - in-depth studies in anatomy and pathology 15 credits

M0088H

Medicinsk vetenskap - fördjupad anatomi och sjukdomslära

Course syllabus admitted: Autumn 2019 Sp 1 - Spring 2020 Sp 4

DECISION DATE
2019-02-26

Medical Science - in-depth studies in anatomy and pathology 15 credits M0088H

Medicinsk vetenskap - fördjupad anatomi och sjukdomslära

First cycle, M0088H

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 Entry requirements for the course corresponding to:

M0085H Radiography, basic course I

M0086H Radiography, basic course II

M0026H Medical Science: Anatomy and Physiology in position to Radiology

M0050H Radiation science and radiological modalities

M0067H Radiography Nursing Interventions in position radiography with Clinical Practice

M0066H Radiography Nursing Techniques in position Radiography with Clinical Practice

M0029H Medical Science: Microbiology, infection control and infection disease

M0070H General Pharmacology, contrast agents and pharmaceutical calculation

Selection

The selection is based on 1-165 credits.

Examiner

Sara Larsson

Course Aim

On completion of the course, the student should have good knowledge of in-depth anatomy and different illnesses which are common in a radiology department, which means that the student should be able to:

- Describe the body's topographic anatomy
- Describe causes of illnesses, pathophysiology, care, treatment and prognosis of common illnesses which radiographers encounter in their vocational practice
- Explain common illnesses and identify alternative diagnoses in relation to diagnostic medical imaging
- Explain in which way age can affect health, syndrome, diagnostics and treatment
- Demonstrate the ability to understand laboratory analyses which radiographers encounter in their vocational practice

Contents

- Topographic and in-depth anatomy
- Cardiovascular diseases
- Diseases of the gastrointestinal canal
- Haematology
- Oncology
- Neurology, psychiatry, geriatrics
- Kidney diseases
- Endocrine diseases
- Laboratory diagnostics

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 provides students introductory lectures on the various components to attain the course objectives. Teaching is both on campus, through distance learning techniques and recordings. The students also acquire knowledge and practice fulfilment of course objectives through compulsory laboratory work/seminars. During the course students work both individually and in groups to develop their knowledge. Other teaching methods may also be used.

The content of the course components and its teaching methods are specifically tailored for the radiographer profession.

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. Seminars and individual examinations.

Remarks

This is a first-cycle course. .

Overlap

The course M0088H is equal to M0028H, M0101H

The course is a merger of components of the previous courses M0028H and M0069H.

Literature. Valid from Autumn 2018 Sp 1

Andersson, R., Jeppsson, B. & Rydholm, A. (red.) (2012). Kirurgiska sjukdomar. (2., [rev. och uppdaterade] uppl.) Lund: Studentlitteratur.

Aspelin, P. & Pettersson, H. (red.) (2008). Radiologi. (1. uppl.) Lund: Studentlitteratur.

Ericson, E. & Ericson, T. (2012). Medicinska sjukdomar: patofysiologi, omvårdnad, behandling. (4., rev. och utök. uppl.) Lund: Studentlitteratur

Lindskog, B.I. & Andrén-Sandberg, Å. (2008). Medicinsk terminologi. (5., [rev.] uppl.) Stockholm: Norstedts Akademiska.

Sand, O. (2007). Människokroppen: fysiologi och anatomi. (2. uppl.) Stockholm: Liber.

Vigué, J. & Martín Orte, E. (2012). Atlas över människokroppen. (2. uppl.) Stockholm: Liber.

Course offered by

Department of Health Sciences

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Seminar	U G#	3	Mandatory	A17	
0002	Laboratory work	U G#	2	Mandatory	A17	
0003	Online examiantion	U G VG *	2	Mandatory	A17	
0006	Individual written exmination - pathology	U G VG *	3.5	Mandatory	A19	
0007	Individual written examination - topographic and in-depth anatomy	U G VG *	1.5	Mandatory	A19	
0008	Written assignments	U G#	3	Mandatory	A19	

Last revised

by 2019-02-26

Syllabus established

by Prefekt vid Institutionen för hälsovetenskap 2017-02-10