

SYLLABUS

Medical Science: Patophysiology in position to Radiology 7.5 credits M0028H

Medicinsk vetenskap: Sjukdomslära inriktning radiologi

Course syllabus admitted: Autumn 2016 Sp 1 - Spring 2017 Sp 4

**DECISION DATE
2016-02-15**

Medical Science: Patophysiology in position to Radiology 7.5 credits M0028H

Medicinsk vetenskap: Sjukdomslära inriktning radiologi

First cycle, M0028H

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 1-165 credits.

Examiner

Johanna Sundbaum

Course Aim

The aim is that, on completion of the course, the student should have advanced knowledge of various commonly occurring diseases in a radiology department which are important for the professional practice of the radiographers. To let the student obtain a holistic perspective of each disease, he/she should, on completion of the course, be able to:

- Describe aetiology, pathophysiology, diagnostics, care, treatment and prognosis for the most frequently occurring internal medicine and surgical diseases that the radiology nurse meets in the exercise of the profession
- Explain, interpret and evaluate the common medical and surgical diseases that a radiographers often come across
- Evaluate the severity, i.e. how acute or chronic a condition is, guided by frequently occurring symptoms such as abdominal pain, chest pain, neurological and psychiatric symptoms, respiratory distress and constitutional symptoms.
- Discuss various alternative diagnoses, differential diagnoses in a patient with a given symptomatology
- Recognise different critical conditions that can affect the patient and take measures within the area of responsibility of the radiographer

Contents

The general aim of the course is that the student should learn about commonly occurring diseases in a radiology department. The student should also learn to recognise different critical conditions that can affect the patient and take measures based on the area of responsibility of the radiology nurse. Disease types included in the course are:

- Heart-diseases
- Lung diseases
- Neurological and psychiatric diseases
- Acute and chronic abdominal and kidney diseases
- Vascular disorders
- Orthopaedic diseases
- Endocrinological diseases
- Diseases of the blood or lymphatic system
- Oncology

Realization

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

During the course, the students work to develop their theoretical knowledge of diseases that are frequently occurring in a radiology department. In this course lectures are offered that introduce and explain parts of the course content and underpin the students' literature studies. Simulations train the students' ability to meet patients, evaluate symptoms and take the measures required based on the severity of the patient's condition.

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 through a digital take-home examination in oncology, hematology and nephrology with grades pass/pass with distinction. Other parts of the course are examined in a written examination with grades pass/pass with distinction. A pass grade in the entire course furthermore requires attendance and active participation in a seminar where commonly occurring diseases and their differential diagnoses are discussed. Alternative examination formats may be used.

Remarks

This course is given for first-cycle studies. Completed course implies that the student has participated in the examinations of the course. Absence from compulsory sections should be made up for after discussion with the responsible teacher. This course is part of the first-cycle programme in pathology and constitutes a basis for further studies in radiology. Study supervision is provided in the course room in Canvas.

Overlap

The course M0028H is equal to M0088H

Literature. Valid from Autumn 2015 Sp 1

Andersson, R., Jeppsson, B. & Rydholm, A. (eds.) (2012). Kirurgiska sjukdomar. (2nd., [rev. and updated] ed.) Lund: Studentlitteratur.

Ericson, E. & Ericson, T. (2012). Medicinska sjukdomar: patofysiologi, omvårdnad, behandling. (4th., rev. and ext. ed.) Lund: Studentlitteratur

Course offered by

Department of Health Sciences

Items/credits

Number	Type	Credits	Grade
0005	Written examination	6.5	U G VG
0006	Seminar	0.5	U G#
0007	Digital examination	0.5	U G VG

Last revised

by 2016-02-15

Syllabus established

by Prefekt vid Institutionen för hälsvetenskap 2007-05-15