

SYLLABUS

Radiography II 7.5 credits

M0097H

Radiografi II

Course syllabus admitted: Autumn 2024 Sp 1 - Present

DECISION DATE
2024-02-13

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Radiografi II

First cycle, M0097H

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G VG	Radiologi	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 + Swedish upper secondary school courses Mathematics 2a or 2b or 2c, General Science 2, Social Studies 1b or 1a1+1a2.

Selection

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

Course Aim

The general aim of the course is for the student to develop theoretical knowledge of radiology department modalities and their usage. The objective is that the student on completion of the course should have good knowledge of the physics and technology that occurs in radiology. This means that the student should be able to:

- Describe terms and concepts that are used in radiation protection and radiation biology
- Describe the legislation that regulates using radiation in healthcare
- Describe risks with radiation
- Describe what justified and optimized radiation implies
- Describe how to protect patients and staff from radiation during X-ray examinations.
- Identify the fundamental structure and function of radiological modalities

Contents

- Radiation physics and technology significant to a radiology nurse's professional practice.
- Radiation production.
- Radiation's interaction with substances.
- Detecting radiation.
- Radiobiology and radiation protection.
- Laws and ordinances governing radiation safety.
- Radiological applications of radiation.
- Principles of diagnostic imaging.
- Diagnostic modalities

Realization

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

Teaching and learning takes place through independent study, assignments, group discussions, seminars with oral and written presentations. Lectures are given as part of selected course sections. Student's active participation is central to their final results. Campus-based or distance teaching and examinations are used. The course content modules and their routes of teaching are specifically focused on radiology nursing.

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 by individual written assignments and seminars. In order to pass the whole course, students must pass all parts and the mandatory components must be completed.

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

You must successfully complete this course before being admitted to M0103H.
All examination components must have been completed by the regular examination period for quarter 2.

Overlap

The course M0097H is equal to M0050H

Course offered by

Department of Health, Education and Technology

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0007	Assignments	U G VG	3	Mandatory	A24	
0008	Laboration	U G#	0.5	Mandatory	A24	
0009	Examination	U G VG	2	Mandatory	A24	
0010	Seminars	U G#	2	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 Dean of Department of Health Sciences 2020-02-21