

SYLLABUS

Radiography in position to computerised tomography and nuclear medicine 15 credits M0109H

Radiografi inriktning datortomografi och nuklearmedicin

Course syllabus admitted: Autumn 2024 Sp 1 - Present

**DECISION DATE
2024-02-13**

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Radiografi inriktning datortomografi och nuklearmedicin

First cycle, M0109H

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G#	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 and the course assumes corresponding knowledge

M0107H Radiography, Science and research methods II, 7,5

M0106H Radiography in position to conventional radiology with Clinical Practice, 15

M0108H Radiography V, 7,5

The course also requires the following courses and modules

M0099H Radiography I, 7,5

M0098H Anatomy and Physiology I with focus on radiography, 7,5

M0097H Radiography II, 7,5

M0096H Clinical pathology I specialisation radiography, 7,5

M0116H Pharmacology and pharmaceutical management within radiography, 7,5

M0100H Radiography III, 15

M0102H Radiography, Science and research methods I, 7,5

M0101H Clinical pathology and anatomy II with focus on radiography, 15

M0103H Radiography IV, 15

M0106H Radiography in position to conventional radiology with Clinical Practice, 15, module 0002 and module 0006
Clinical education

Special eligibility means that all qualifying courses and modules must have approved course grades.

Requirements for special authorization must be met no later than Lp 1. Special eligibility means that all qualifying courses and modules must have approved course grades.

Regarding module 0002 and module 0006 in M0106H (Clinical Education), this must be approved no later than Lp 2.

Selection

The selection is based on 1-165 credits.

Course Aim

The objectives are specifically opted towards CT-scans and nuclear medicine Upon completion of the course, the student shall be able to

- Describe examination methodology
- Apply examination methodology and account for image criteria for commonly used surveys
- Describe anatomy and common pathology
- With an ethical attitude and referral content, plan, execute, evaluate and document the need for care in individual patients
- Apply safety measures and account for patient safety and safety during the examinations
- Apply practical drug management in a patient safe and environmentally friendly manner
- Apply radiation protection measures
- Reflect on self-knowledge and the ability to empathise
- Identify the need for further knowledge in order to continuously develop her/his skills
- Demonstrate the ability to inform and teach different groups and to carry out supervisory tasks
- Demonstrate the ability for team collaboration and collaboration with other professional groups
- Demonstrate to discuss new facts, phenomena and issues with different professional groups
- Demonstrate the ability to have a professional approach towards patients and their relatives

Contents

The contents are specifically opted towards CT-scans and nuclear medicine

- Examination methodology
- Anatomy and pathology
- Radiation hygiene and medical safety
- Care and patient safety
- Drug management
- Clinical Practice (CP)

Realization

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

Education and learning is conducted through independent study, assignment report, laboratory work and seminars. Seminar participation is mandatory. Lectures are given within selected course sections. The students are also acquiring knowledge and are being trained to reach the course objectives through the clinical education programme. The student gets to practice critically evaluating themselves and their need for further knowledge by way of assessment interviews.

The course content modules and their routes of teaching are specifically opted towards the radiology nursing 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. The course is examined and assessed through CP, hand-in assignments individual and/or in group, seminars, laboratory work and exams.

To pass the entire course, passing grades are required on all parts of the course, and compulsory parts must be completed.

As concerns the clinical practice, only one re-examination opportunity/relocation is permitted for the course. Further relocation/re-examination opportunities may be granted if special reasons to do so exist. Special reasons are the reasons set out in regulations from the Swedish National Agency for Higher Education, HSVFS 1999:1.

When the examiner interrupts the practice-based education period assigned to the activity, it means that the student fails prematurely and an examination opportunity on the practice-based education component is forfeited.

If a student chooses to cancel or not complete the practice-based education period, this means that the student fails prematurely and an examination opportunity on the practice-based education component is forfeited unless special reasons exist and are supported by a medical certificate.

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

CP in this course has to be passed to move on to CP in cours M0119H.

This course, which contains modules with clinical practice (clinical practice modules), is subject to *Specific Rules for Clinical Practice*, pursuant to a decision by the Head of the Department of Health Sciences, Luleå University of Technology.

Overlap

The course M0109H is equal to M0083H, M0054H

This programme curriculum is valid from the spring semester of 2020 for all students who are admitted to the programme at that time. Programme coordinators and heads of department decide on individual study plans for students who have been admitted to a previous programme curriculum and resume their studies according to the current programme curriculum following a break in their studies.

If a course has ceased or has undergone major changes, the students will be offered two opportunities for examination in the first year after the change has taken place, and then once a year for a further 2 years, based on the course syllabus that applied at the time of registration.

Course M0109H replaces M0054H and M0083H

Course offered by

Department of Health, Education and Technology

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Clinical education Computed Tomography	U G#	6	Mandatory	S22	
0002	Clinical education Nuclear medicin	U G#	1.5	Mandatory	S22	
0004	Seminars	U G#	2.5	Mandatory	S22	
0007	Laboratory work	U G#	1	Mandatory	A23	
0009	Assignment report	U G#	3.5	Mandatory	A24	
0010	Examination pharmaceutical	U G#	0.5	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 Head of department of Department of Health, Education and Technology 2021-02-16