

SYLLABUS

Radiography V 7.5 credits

M0108H

Radiografi V

Course syllabus admitted: Autumn 2024 Sp 1 - Present

DECISION DATE
2024-02-13

Radiography V 7.5 credits M0108H

Radiografi V

First cycle, M0108H

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 and the course assumes corresponding knowledge

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

M0100H Radiography III, 15

M0116H Pharmacology and pharmaceutical management within radiography, 7,5

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

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

M0103H Radiography IV, 15

Selection

The selection is based on 1-165 credits.

Course Aim

The objectives are specifically opted towards magnetic resonance imaging, CT scan, nuclear medicine, ultrasound, transillumination and interventional radiology

Upon completion of the course, the student shall be able to

- Describe the foundational technical and physical principles
- Describe how the survey parameters affect image quality in regularly occurring examinations
- Describe radiation protection measures and patient safety

Contents

- Physics and technology within magnetic resonance imaging
- Physics and technology within tomography
- Physics and technology in nuclear medicine
- Physics and technology in ultrasound
- Physics and technology in transillumination
- Radiation hygiene and medical safety

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, assignments, and seminars. Lectures are given within selected course sections.

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 individual and/or group hand-in assignments, seminars, and exams.

To pass the entire course, passing grades are required on all parts of the course, and compulsory parts 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 pass this course before you can be admitted onto M0063H and M0119H.
All examination components must have been completed by the regular examination period for quarter 4

Overlap

The course M0108H is equal to M0074H

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 M0108H replaces M0074H

Course offered by

Department of Health, Education and Technology

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0004	Written examination MRI	U G VG	2	Mandatory	A24	
0005	Assignment	U G#	2	Mandatory	A24	
0006	Seminars	U G#	1.5	Mandatory	A24	
0007	Written examination CT	U G VG	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 Head of department of Department of Health, Education and Technology 2021-02-16