

**SYLLABUS**

# **Radiography VI 15 credits**

## **M0119H**

**Radiografi VI**

**Course syllabus admitted: Autumn 2024 Sp 1 - Present**

DECISION DATE  
**2024-02-13**

# Radiography VI 15 credits M0119H

## Radiografi VI

### First cycle, M0119H

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

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

M0110H Radiography in position to magnetic resonance imaging, 7,5

M0111H Radiography focusing on fluoroscopy, ultrasound and interventional radiology, 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

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

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

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

M0108H Radiography V, 7,5

M0109H Radiography in position to computerised tomography and nuclear medicine, 15, module 0001 and 0002, Clinical education

M0110H Radiography in position to magnetic resonance imaging, 7,5, module 0001, Clinical education

M0111H Radiography focusing on fluoroscopy, ultrasound and interventional radiology, 7,5, module 0001, 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 4.

## Selection

The selection is based on 1-165 credits.

## Course Aim

The outcomes are specific to emergency examinations and treatments within the radiology nurse's profession and knowledge field covering patients of all ages. Furthermore, the aim is for the student to develop an understanding of their role and the role of others in a healthcare organisation, and develop leadership ability on individual, group and organisational levels. Upon completion of the course, students will be able to apply an ethical and professional approach and:

- Interpret and assess the content of a referral and prioritise patients
- Clinically assess, prioritise and take care of patients with an acute illness or injury
- Identify and describe common pathology and underlying pathophysiology in a patient with acute illness/injury
- Describe examination methods and imaging criteria for emergency diagnostic imaging and conduct common emergency x-ray examinations
- Apply safety measures and be mindful of ethical aspects, patient safety and comfort when carrying out emergency diagnostic imaging
- Demonstrate the ability to communicate and give information to a patient who has an emergency illness/injury, and their next of kin
- Demonstrate the ability to have a professional approach towards patients and their relatives
- Perform drug calculations and handle and administer medicines in a way that ensures patient safety
- Perform basic CPR on children as per current guidelines
- Describe the theories and concepts around group processes, teamwork, communication and conflict management
- Describe the leadership, organisation and division of responsibilities within healthcare, as well as the laws and ordinances that regulate them
- Describe the educational and organisational conditions for learning and supervision in healthcare
- Demonstrate the ability to inform and teach different groups and to carry out supervisory tasks
- Demonstrate to discuss new facts, phenomena and issues with different professional groups
- Identify and suggest areas for improvement in radiography
- Demonstrate the ability for team collaboration and collaboration with other professional groups
- Identify the need for further knowledge in order to continuously develop their skills
- Reflect on self-knowledge and the ability to empathise

## Contents

- Traumatology
- Emergency illness
- Emergency X-ray examinations
- Drug management and drug dosage calculation
- Basic CPR on children
- Teamwork and group processes
- Communication and conflict management
- Leadership and organisation
- Learning and supervision
- Improvement skills
- Laws and statutes
- Simulation
- Placement in practice

## 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 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 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 assessed and assessed through the placement, written assignments (individual and/or group), seminars, simulation, 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.

## 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

This course, which contains modules with clinical placement is subject to special rules for clinical placement following a decision by the Head of the Department of Health, Education and Technology, Luleå University of Technology.

## Transition terms

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 M0119H replaces M0065H and M0068H

## Course offered by

Department of Health, Education and Technology

## Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Clinical practice	U G#	7.5	Mandatory	A22	
0003	Simulation	U G#	1	Mandatory	A22	
0004	Pediatric in-hospital CPR	U G#	0.5	Mandatory	A22	
0006	Examination	U G#	1	Mandatory	A22	
0007	Examination pharmaceutical calculation	U G#	0.5	Mandatory	A22	
0008	Seminar	U G#	3.5	Mandatory	A23	
0009	Assignments	U G#	1	Mandatory	A23	

## Last revised

by Jenny Jäger, Director of Undergraduate Studies at the Department of Health, Education and Technology 2024-02-13

## Syllabus established

by Anna Öqvist, Director of Undergraduate Studies at the Department of Health, Education and Technology 2022-02-14