

SYLLABUS

Radiography - nursing at advanced diagnostics 7.5 credits M0074H

Radiografi - omvårdnad vid avancerad diagnostik

Course syllabus admitted: Autumn 2020 Sp 1 - Present

**DECISION DATE
2020-06-18**

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Radiografi - omvårdnad vid avancerad diagnostik

First cycle, M0074H

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 and The course assumes knowledge equivalent to the courses:

M0085H Radiography, basic course I

M0086H Radiography, basic course II

M0050H Radiation Science and Radiological Modalities

M0026H Medical Science: Anatomy and Physiology in position to Radiology

M0029H Medical Science: Microbiology, infection control and infection disease

M0067H Radiography Nursing Interventions in position radiography with Clinical Practice (replaces O0050H)

M0070H General Pharmacology, Contrast Agents and Pharmaceutical Calculation (replaces M0052H)

M0066H Radiography Nursing techniques in position radiography with Clinical Practice (replaces O0051H)

M0088H Medical Science - in-depth studies in anatomy and pathology

M0089H Radiography - imaging systems and methods

M0064H Scientific specialization in radiography

Selection

The selection is based on 1-165 credits.

Examiner

Kirsi Bohm

Course Aim

The student should, on completion of the course, based on a holistic and ethical approach, have basic knowledge about commonly occurring examinations such as CT, MRI, nuclear medicine and interventions as a basis for future courses, which includes:

- Being able to apply methods for information, communication and receiving of patients and their next of kin in connection with advanced diagnostic examination
- Describing appropriate measures to minimise or prevent pain/discomfort in the patient
- Handling drugs and contrast agents, and informing about their effects and side effects and applying sterilisation treatment in connection with advanced diagnostics
- Explaining and applying laws, statutes, regulations and local guidelines in connection with advanced diagnostics.
- Formulating a research question from an evidence-based working method, searching, reviewing, assessing, collecting scientific studies and formulating scientifically and applying established writing rules and reference management
- Identifying own needs for additional knowledge to develop skills

Contents

- Information, treatment and communication
- Nursing interventions in connection with advanced diagnostics
- Pain and discomfort in connection with advanced diagnostics
- Drug and contrast agent management in connection with advanced diagnostics
- Laws and regulations
- Advanced examination methodology
- Scientific approach

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 own studies, study assignments, introductory and inspirational lectures in selected course sections to achieve the course's goals. Participation in seminars and laboratory work is mandatory. Other types of teaching may occur. Teaching and examinations are carried out via distance bridging technology or on campus.

The content of the course and its teaching methods are specifically aimed at the x-ray 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 by report writing and seminars. To pass the course, attendance and active participation in seminars are also required. Alternative examinations may occur.

Remarks

This is a first-cycle course. Study supervision is provided in the course room in Canvas.

Overlap

The course M0074H is equal to M0108H

This course replaces M0071H

Literature. Valid from Autumn 2020 Sp 1

Aspelin, P. & Pettersson, H. (red.) (2008). Radiologi. (1. uppl.) Lund: Studentlitteratur.

Berglund, E. & Jönsson, B. (2007). Medicinsk fysik. (1. uppl.) Lund: Studentlitteratur.

Lampignano, J. & Kendrick, L.E. (2017). Bontrager's textbook of radiographic positioning and related anatomy. (9th ed.) St. Louis, Mo.: Elsevier/Mosby.

Edberg, A. & Wijk, H. (red.) (senaste upplagan). Omvårdnadens grunder. Hälsa och ohälsa. (1. uppl.) Lund: Studentlitteratur.

Ehrenberg, A., & Wallin, L. (Red.). (senaste upplagan). Omvårdnadens grunder: ansvar och utveckling. Lund: Studentlitteratur.

Ehrlich, R.A. & Coakes, D.M. (senaste upplagan). Patient care in radiography: with an introduction to medical imaging. (8. ed.) St. Louis, Mo.: Elsevier Mosby.

Fossum, B. (Red.). (senaste upplagan). Kommunikation. Samtal och bemötande i vården. Lund: Studentlitteratur.

Friberg, F., & Öhlen, J. (Red.). (senaste upplagan). Omvårdnadens grunder: perspektiv och förhållningssätt. Lund: Studentlitteratur.

Henricson, M. (senaste upplagan). Vetenskaplig teori och metod. Från idé till examination inom omvårdnad. Lund: Studentlitteratur.

Hietala, S-O. & Åhlström Riklund, K. (red.) (2013). Nuklearmedicin. (2. uppl.) Lund: Studentlitteratur.

Description of competence and professional ethics for radiographers:
<http://swedrad.webbsajt.nu/>

Reference literature may be added and is stated in the study guide.

Course offered by

Department of Health, Education and Technology

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Report	U G VG *	3.5	Mandatory	A13	
0003	Laboration	U G#	2	Mandatory	A13	
0004	Seminar	U G#	2	Mandatory	A17	

Last revised

by 2020-06-18

Syllabus established

by Prefekt vid Institution för hälsovetenskap 2013-02-18