

SYLLABUS

Pharmacology and pharmaceutical management within radiography 7.5 credits M0116H

Farmakologi och läkemedelshantering inriktning radiografi

Course syllabus admitted: Autumn 2024 Sp 1 - Present

**DECISION DATE
2024-02-13**

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Farmakologi och läkemedelshantering inriktning radiografi

First cycle, M0116H

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

Selection

The selection is based on 1-165 credits.

Course Aim

Upon completion of the course, the student will be able to:

- Explain principles in general pharmacology
- Account for the areas of use, effects and side effects of the relevant medicines and contrast agents
- Conduct drug calculations and handle and administer the medicines in a way that ensures patient and environmental safety
- Apply pharmacological pain treatments on patients undergoing radiological examinations
- describe the statutes governing drug management in healthcare

Contents

- General pharmacology
- Medicines used in radiography
- The areas of use, effects and side effects of contrast agents
- Practical drug management
- Drug calculation
- Pharmaceutical legislation

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 will take place through independent study, assignments, laboratory sessions, seminars, simulation and written examinations. Lectures are given within selected course sections. Participation in laboratory sessions, simulations and seminars is compulsory. 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 learning outcomes are assessed through written examinations, assignments, laboratory sessions, simulations and seminars.

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 successfully complete this course before being admitted to M0106H. All examination components must have been completed by the regular examination period for study period 4.

Overlap

The course M0116H is equal to M0070H

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 M0116H replaces M0070H

Course offered by

Department of Health, Education and Technology

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Examination pharmacology	U G VG	2	Mandatory	A22	
0002	Examination contrast media	U G VG	2	Mandatory	A22	
0003	Examination pharmaceutical calculation	U G#	0.5	Mandatory	A22	
0004	Laboration	U G#	1	Mandatory	A22	
0005	Seminar	U G#	1.5	Mandatory	A22	
0006	Simulation	U G#	0.5	Mandatory	A22	

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