SYLLABUS

Radiography - leadership, organization and learning 7.5 credits M0068H

Radiografi - ledarskap, organisation och lärande

Course syllabus admitted: Autumn 2020 Sp 1 - Autumn 2021 Sp 1

DECISION DATE
2020-06-18

Luleå University of Technology 971 87 Luleå, Sweden
Phone: +46 (0)920 49 10 00 • Corporate Identity: 202100-2841

LULEÅ TEKNISKA UNIVERSITET

Radiography - leadership, organization and learning 7.5 credits M0068H

Radiografi - ledarskap, organisation och lärande

First cycle, M0068H

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 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.

M0054H Radiography in position to computerised tomography with Clinical Practice
M0055H Radiography in position to magnetic resonance imaging with Clinical Practice
M0056H Radiography in position to interventional radiology with Clinical Practice
M0083H Nuclear medicine
M0085H Radiography, basic course I
M0086H Radiography, basic course II
M0026H Medical Science: Anatomy and Physiology in position to Radiology
M0050H Radiation Science and Radiological Modalities
M0067HRadigraphy Nursing Interventions in position radiography with Clinical Practice
M0029H Medical Science: Microbiology,infection control and infection disease
M0066H Radiography Nursing techniques in position radiography with Clinical Practice
M0070H General Pharmacology, Contrast Agents and Pharmaceutical Calculation
M0088H Medical Science - in-depth studies in anatomy and pathology
M0089H Radiography - imaging systems and methods
M0057H Radiography in position to conventional radiology with Clinical Practice
M0064H Scientific specialization in radiography
M0074H Radiography - nursing at advanced diagnostics

Selection

The selection is based on 1-165 credits.

Examiner

Sara Larsson

LULEÅ TEKNISKA UNIVERSITET

Course Aim

The course objective is that the student will develop their understanding of the multi-professional healthcare organisation where the tasks are carried out by different registered professional groups. In particular, the student will develop an understanding of their own and others' roles in the organisational context in which imaging and functional diagnostics, medical, nursing, radiation physics and technology work together. In addition, the student will develop their own leadership skills and ability to identify the need for improvements at individual, group and organisational level and make suggestions for action. At the end of the course, the student will be able to:

- describe and explain concepts and theories of leadership, group processes, communication and conflict management
- describe and explain how healthcare is organised, how responsibilities are divided between the various professional groups and the legislation and statutes governing this
- identify and distinguish different factors in individuals, groups and organisations which constitute prerequisites or obstacles for the proper functioning of the organisation
- demonstrate the ability to inform and educate by planning and giving a lecture
- demonstrate the ability to identify their need for additional knowledge and to continue developing their skills

Contents

- Regulated practice in healthcare
- Professional organisations
- Principles for organisational coordination
- Activity planning and follow-up
- Strategic leadership and quality improvement
- Legislation and statutes
- Participation, employeeship and leadership
- Responsibilities and powers regarding staff and the work environment
- Organisational development
- Leadership, group processes and interpersonal dynamics
- Decision-making, communication and conflict management
- Professional specialisation and the need for cooperation and coordination

Realization

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

During the course, participants work on developing their understanding of the multi-professional healthcare organisation and their own role in this. In connection with the various components of the course, introductory and inspiring lectures are offered by supervisors, specialist doctors or other medical professions. These lectures are followed by mandatory assignments which the course participants carry out individually or in groups. Examples are taken from daily work. The course seminars are exams as well as opportunities for students to learn from each other. For each mandatory event (lessons, seminars), the course participants must prepare by working on assignments individually or in groups.

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 through mandatory components (lessons) and with a pass/pass with credit in written assignments and presentations at seminars.

Remarks

The course is held in the first cycle.

The study guide is available in the course room in Canvas.

Transition terms

The course replaces O0054H

Literature. Valid from Autumn 2020 Sp 1

Course offered by

Department of Health, Education and Technology

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Compulsory assignments	U G#	1	Mandatory	A12	
0002	Written assignments	U G VG *	5	Mandatory	A12	
0004	Seminar	U G#	1.5	Mandatory	A13	

Last revised

by 2020-06-18

Syllabus established

by Prefekt vid Institutionen för hälsovetenskap 2012-03-14

LULEÅ TEKNISKA UNIVERSITET