Course syllabus for

# Radiography - clinical education 2, 7.5 credits

Radiografi - verksamhetsförlagd utbildning 2, 7.5 hp
This course syllabus is valid from spring 2022.
Please note that the course syllabus is available in the following versions:
Spring2008 , Spring2009 , Spring2013 , Spring2018 , Autumn2018 , Spring2022

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|---|---|
| Course code | 1RS011 |
| Course name | Radiography - clinical education 2 |
| Credits | 7.5 credits |
| Form of Education | Higher Education, study regulation 2007 |
| Main field of study | Radiography |
| Level | G1 - First cycle 1 |
| Grading scale | Fail (U) or pass (G) |
| Department | Department of Clinical Science, Intervention and Technology |
| Decided by | Programnämnden för Röntgensjuksköterskeprogrammet |
| Decision date | 2007-12-10 |
| Revised by | Education committee CLINTEC |
| Last revision | 2021-10-18 |
| Course syllabus valid from | Spring 2022 |

## Specific entry requirements

For admission to the course, a Pass grade in the course Radiography - clinical rotation 1, 6.5 HE credits, is required

Students who have failed in the clinical rotation or the equivalent as a consequence of demonstrating serious deficiencies in knowledge, skills or attitude, that the patient's safety or confidence in healthcare have been at risk is qualified for new placement only when the individual action plan has been completed.

## Objectives

On completion of the course, the student should be able to:

- follow basic hygiene procedures
- On the basis of referral contents, set commonly occurring projections of radiographic examinations of thorax, abdomen and skeleton
- Motivate the use of wedges, screens and air gaps
- explain parameters affecting image quality and radiation dose

- Assess image quality on the basis of image criteria
- Inform patient and prepare he before commonly occurring computed tomography examinations
- Show concern for the patient's integrity and convenience during the radiological examination

# Content

The student, together with the supervisor, will practice basic radiographic methodology in skeleton, abdominal and thoracic radiology. In connection with examinations, the student practices to implant a peripheral venous catheter and give intravenous injections, and practices to identify risk patients and any contrast agents reactions. The abdominal diagnostics also implies that the student participates in examinations of the gastrointestinal canal performed with contrast agents.

For all areas within the course, the student will train to identify basic anatomy in the image and essential criteria for the correct performance of the examination. In the practical parts, the student will train a basic understanding of the parameters affecting image quality and radiation dose to the patient.

In connection with the examination, the student will also practice basic patient care by taking action for patient safety and convenience, and by showing concern for patient integrity.

# Teaching methods

By tutor supervised practical skills training when the student trains to plan, prepare and perform radiographic examinations.
Teacher-supervised method exercises, study assignments and seminars. The student is expected to take responsibility for his/her own learning through active knowledge acquisition and participation in examinations.

# Examination

In the final assessment, an overall assessment and a clinical examination are included. Assessments during the placement are carried out by means of evaluation forms about which the student is informed at the beginning of the course. The clinical examination is based on referral and method book, as the student performs examination of a patient. The student will orally account for the examination method with regard to technique, projections, terminology and anatomic structures in the imaging material. To pass the course, it is also required that all included seminars and study assignments are approved.

The clinical rotation is compulsory and constitutes 32 hours per 1.5 credits. Compensation due to absence will be planned in consultation with appointed clinical teacher.

The student has the right to take the course at most two times.

The examiner may with immediate effect interrupt a student's clinical rotation (VFU), or the equivalent, if the student demonstrates such serious deficiencies in knowledge, skills or attitudes that patient safety or patient confidence in healthcare is at risk. When clinical rotation is interrupted according to this, it implies that the student fails in the current part, and that one clinical rotation opportunity is used up.

In such cases, an individual action plan should be set up for required activities and examinations, before the student is given a possibility for a new clinical rotation in the course.

If there are special grounds, or a need for adaptation for a student with a disability, the examiner may decide to deviate from the syllabus's regulations on the examination form, the number of examination opportunities, the possibility of supplementation or exemptions from the compulsory section of the course etc. Content and learning outcomes as well as the level of expected skills, knowledge and abilities may not be changed, removed or reduced.

# Transitional provisions

The student may be examined according to a previous syllabus within a year after the date when a close-down or major changes of the course was decided.

# Other directives

Course evaluation will be carried out in accordance with the guidelines established by the Committee for Higher Education at Karolinska Institutet.

# Literature and other teaching aids

*Ehrlich, Ruth Ann; McCloskey, Ellen Doble; Daly, Joan A.*
**Patient care in radiography : with an introduction to medical imaging**

6. ed. : St. Louis, Mo. : Mosby, cop. 2004 - xv, 447 s.
ISBN:0-323-01937-4 LIBRIS-ID:9649937
Library search

*Möller, Torsten B.0 77501*
**Pocket atlas of radiographic positioning**
*Reif, Emil*

Stuttgart : Thieme, 1997 - ix, 286 s.
ISBN:3-13-107441-8 (Stuttgart) LIBRIS-ID:4668759
Library search

*Möller, Torsten B.; Reif, Emil*
**Pocket atlas of radiographic anatomy**

3rd ed. : Stuttgart : Thieme, cop. 2010 - xi, 388 p.
ISBN:9783131505811 LIBRIS-ID:12080242
Library search

*Möller, Torsten B.0 77501*
**Normal findings in radiography**

Stuttgart : Thieme, cop. 2000 - 276 s.
ISBN:3-13-116531-6 (GTV) LIBRIS-ID:4669244
Library search

*Feneis, Heinz; Dauber, Wolfgang*
**Anatomisk bildordbok**
*Spitzer, Gerhard; Brinkman, Ingrid*

5., utökade uppl. /b [fackgranskning: Håkan Aldskogius] : Stockholm : Liber, 2006 - [4], 520 s.
ISBN:91-47-05301-1 LIBRIS-ID:10162715
URL: http://www2.liber.se/bilder/omslag/100/4705301o.jpg
Library search

*Lindskog, Bengt I.*
**Medicinsk terminologi**
*Andrén-Sandberg, Åke; Frank, Urban; Buckhöj, Poul*

5., [rev.] uppl. /b [illustrationer: Urban Frank och Poul Buckhöjd] : Stockholm : Norstedts Akademiska, 2008 - 704 s.
ISBN:978-91-7227-557-7 (inb.) LIBRIS-ID:10740673
Library search

**Författningshandbok : för personal inom hälso- och sjukvården.**

*Raadu, Gunnel*

47. uppl. : Stockholm : Liber, 2016 - 892 s.
ISBN:9789147112784 LIBRIS-ID:18723626

Library search