



Course syllabus for

## **Radiology 1, 4.5 credits**

Röntgendiagnostik 1, 4.5 hp

This course syllabus is valid from spring 2008.

Please note that the course syllabus is available in the following versions:

Spring2008 , Spring2009 , Spring2010 , Autumn2010 , Autumn2011 , Spring2021 , Spring2022 , Spring2023 , Spring2024 , Spring2025

Course code	1RS002
Course name	Radiology 1
Credits	4.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Radiography
Level	G1 - First cycle 1
Grading scale	Pass with distinction, Pass, Fail
Department	Department of Clinical Science, Intervention and Technology
Decided by	Programnämnden för Röntgensjuksköterskeprogrammet
Decision date	2007-12-10
Course syllabus valid from	Spring 2008

## **Specific entry requirements**

Standardised admission requirements F.1.1.

## **Objectives**

\* account for how various density differences of the organs are reproduced in the diagnostic image material. \* identify and name anatomic structures in the diagnostic image material \* use correct medical anatomic terminology in the description of the position of the organs. \* explain and motivate the use of contrast medium in radiological examinations.

## **Content**

The course takes its starting point in previously acquired knowledge in anatomy. On the basis of this knowledge, the student is trained to identify anatomic structures of thorax, abdomen and skeleton in the radiological illustrative material. This also includes studies performed with Magnetic resonance imaging and X-ray computed tomography. In the course, an adequate medical anatomic terminology based on the radiological illustrative material is trained. The course also treats how positive and negative contrast agents appear, and their usage in diagnostic imaging.

## Teaching methods

The teaching consists of lectures and image seminars.

## Examination

The course is examined through individual written examination. To pass the course, a passed individual written examination is required. The student is entitled to a total of six test occasions to get passed. The course is given on three occasions. One within the course, one during the following re-examination. The third opportunity is provided before the beginning of the next semester, or in close connection to that. In some cases, it is required that the student submits an exemption application before he/she has the results of his/her latest completed examination. Three more opportunities are provided according to the same set-up when the course is given next time.

## Transitional provisions

Course evaluation will be carried out in accordance with the guidelines established by the Board of Education at Karolinska Institutet.

## Literature and other teaching aids

*Järhult, Johannes; Offenbartl, Karsten*

### **Kirurgiboken : vård av patienter med kirurgiska, urologiska och ortopediska sjukdomar**

*Wilhelmsson, Jan*

4., rev. och uppdaterade uppl. / b [illustrationer: AB Typoform/Jan Wilhelmsson] : Stockholm : Liber, 2006 - 604 s.

ISBN:91-47-05336-4 (inb.) LIBRIS-ID:10162746

URL: <http://www2.liber.se/bilder/omslag/100/4705336o.jpg>

[Library search](#)

*Möller, Torsten B.; Reif, Emil*

### **Pocket atlas of radiographic anatomy**

2nd ed., rev. and enl. : Stuttgart ; a New York : Thieme, 2000. - ix, 374 p.

LIBRIS-ID:10332052

URL:

<https://lt.ltag.bibl.liu.se/login?url=http://www.thieme.com/ebooklibrary/flexibook/pubid-521955621/index>  
z Extern access endast anställda och studenter vid LiU

*Möller, Torsten B.; Reif, Emil*

### **Pocket atlas of sectional anatomy : computed tomography and magnetic resonance imaging. n Vol. 2, p Thorax, heart, abdomen and pelvis**

3. ed., rev. and updated : Stuttgart : Thieme, cop. 2007 - viii, 247 s.

ISBN:3-13-125603-6 (GTV) LIBRIS-ID:10322889

[Library search](#)

*Sonesson, Bertil; Sonesson Gun, d 1930-*

### **Anatomi och fysiologi**

4., bearb. uppl. /b [illustrationer: Urban Frank ...] : Stockholm : Liber, 2006 - 396 s.

ISBN:91-47-05256-2 (inb.) LIBRIS-ID:10120875

URL: <http://www2.liber.se/bilder/omslag/100/4704905o.jpg>

[Library search](#)

*Wicke, Lothar; Firbas, Wilhelm; Schmiedl, Roland*

**Atlas of radiologic anatomy**

4., English ed. : Munich ; Baltimore : Urban & Schwarzenberg, 1987 - 288 s.

ISBN:0-8067-2114-6 (Baltimore) LIBRIS-ID:5707799

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