



**Karolinska  
Institutet**

Course syllabus for

## **Pediatric radiology, 7.5 credits**

Pediatrisk radiologi, 7.5 hp

This course syllabus is valid from spring 2014.

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

[Spring2010](#) , [Spring2012](#) , [Spring2014](#) , [Spring2015](#) , [Spring2019](#) , [Spring2025](#)

Course code	1RS036
Course name	Pediatric radiology
Credits	7.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Radiography
Level	G2 - First cycle 2
Grading scale	Pass, Fail
Department	Department of Clinical Science, Intervention and Technology
Decided by	Programnämnden för Röntgensjuksköterskeprogrammet
Decision date	2009-10-16
Revised by	Programme Committee 6
Last revision	2014-03-10
Course syllabus valid from	Spring 2014

### **Specific entry requirements**

To be qualified to a higher semester, it is required that the student has taken at least 15 ECT credits from last semester, and all credits from previous semesters.

### **Objectives**

On completion of the course, the student should; be able to describe how orthopaedic, gastrointestinal, urological and thorax examinations are carried out in children of different ages. based on the referral be able to apply and explain adequate examination methodology within paediatric radiology at commonly occurring orthopaedic and thorax examinations. be able to relate the treatment of children in different ages, parents and the relative to the specific nursing situation be able to apply and explain different methods to inform the patient and relative about the radiological study. be able to describe specific diseases within paediatric radiology

### **Content**

The course aims to give specialised knowledge in paediatric diseases that can be diagnosed with

radiological methods and knowledge in children's development to better understand the reactions that may arise in connection with an examination. The clinical education is carried out in a child-radiological clinic. The student is trained there to approach and apply different methods to inform the patient and family about the radiological examination. Further, during placement the student will carry out and participate in studies in paediatric radiology. Field studies will take place in different paediatric units. Through the course literature, and in image seminars, common paediatric diseases and diagnostics in thorax, urology, orthopaedics and gastrointestinal diseases are studied.

## Teaching methods

The working methods that are used during the course are placement at child-radiological studies, field studies, seminars, lectures and literature studies.

## Examination

The course is examined through practical examination, an independent written examination and assignment that is presented oral and written. Through a practical examination the student should independently be able to apply and explain examination methodology and information to patient and relatives in specific examinations. This is assessed by a specific evaluation form that is communicated to the student in connection with course introduction. For a Pass grade in the course active participation in compulsory parts is required. Clinical education, field studies and seminar is compulsory. Compensation of absence from compulsory part is planned in consultation with supervisors and course leader. The student is entitled to a total of six test occasions to get passed. In connection to the course three occasions will be given. 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 certain cases, it is required that the student submits an exemption application before he/she get the results of his/her latest completed examination. Three more opportunities will be provided as described above when the course is run next time. 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.

## Transitional provisions

The student may be examined under 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 Board of Education at Karolinska Institutet.

## Literature and other teaching aids

*Tjønneland, Ruth Mona; Lagesen, Bente*

**Barneradiografi en veiledning i praksis.**

Fagbokforl, 2013

*Hardy, Maryann; Boynes, Stephen*

**Paediatric radiography**

Oxford, UK ; a Malden, MA, USA : Blackwell Science, 2003 - xi, 211 s.

ISBN:0-632-05631-2 (hft.) LIBRIS-ID:8747691

[Library search](#)

**Smärta hos barn och ungdomar**

*Olsson, Gunnar L.; Jylli, Leena*

Lund : Studentlitteratur, 2001 - 453 s.

ISBN:91-44-01489-9 LIBRIS-ID:8352961

[Library search](#)

*Tveiten, Sidsel*

**Omvårdnad i barnsjukvården**

Lund : Studentlitteratur, 2000 - 338 s.

ISBN:91-44-00993-3 LIBRIS-ID:8352784

[Library search](#)

**Kompendium i barnkirurgi och barnortopedi**

*Frenckner, Björn; Hirsch, Georg*

[Ny, omarb. och uppdaterad utg.] /b Björn Frenckner & Georg Hirsch (red.) : Stockholm : Karolinska University Press :b Medicinska bokhandeln, 2004 - 254 s.

ISBN:91-7140-005-2 LIBRIS-ID:9683102

[Library search](#)

*Danielsson, Lars; Willner, Stig*

**Barnortopedi**

4., [rev. och uppdaterade] uppl. : Lund : Studentlitteratur, 1999 - 394 s.

ISBN:91-44-00765-5 LIBRIS-ID:8352708

[Library search](#)

*Tamm, Maare*

**Hälsa och sjukdom i barnens värld**

1. uppl. : Stockholm : Liber utbildning, 1996 - 272 s.

ISBN:91-634-1678-6 LIBRIS-ID:8365559

[Library search](#)

**Barnmedicin**

*Lindberg, Tor; Lagercrantz, Hugo*

3. [rev. och uppdaterade] uppl. : Lund : Studentlitteratur, 2006 - 672 s.

ISBN:91-44-04469-0 LIBRIS-ID:10275612

[Library search](#)