



**Karolinska  
Institutet**

Course syllabus for

## **Interventional radiology, 7.5 credits**

Interventionell radiologi, 7.5 hp

This course syllabus is valid from spring 2011.

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

Spring2011 , [Spring2012](#) , [Spring2014](#)

Course code	1RS044
Course name	Interventional 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	Fail (U) or pass (G)
Department	Department of Clinical Science, Intervention and Technology
Decided by	Programnämnd 6 (Biomedicinsk analytiker- och Röntgensjuksköterskeprogrammen)
Decision date	2010-11-15
Course syllabus valid from	Spring 2011

### **Specific entry requirements**

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

### **Objectives**

Be able to describe the general principles of interventional studies. Identify the body vessels in extremities, abdomen, brain and heart, and be able to account for the physiology of the vessels Be able to describe conditions and diseases that are examined and treated with interventional methods Describe current drugs within the interventional activities Be able to assist and apply an aseptic and sterile procedure in interventional examinations and treatments Apply established routines of pre- and postwork in an interventional examination/treatment Apply established routines for observation of patient status Identify the patient's nursing needs and give adequate information in connection with the study

### **Content**

The placement in the course is carried out in three angiographic clinics (peripheral, coronary and neuro). The student is trained to carry out angiographic tasks by participation in commonly occurring

examinations within peripheral, coronary and neurological fields. Through literature studies, the student should acquire theoretical knowledge of vascular anatomy/physiology, diseases and treatment forms.

## Teaching methods

The working methods that are used during the course are placement, seminars and selfstudy. Compulsory participation: Clinical education and seminars are compulsory. Compensation of absence in compulsory parts is discussed and determined by the responsible examiner of the course.

## Examination

A Pass grade in the course requires approved participation in placement that includes practical examination assignment and approved oral and written examination.

## Other directives

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

## Literature and other teaching aids

### Grant's atlas of anatomy

*Agur, Anne M. R.; Dalley, Arthur F.; Gould, Douglas J.4 ctb; Grant, John Charles Boileau*

11. ed. /b Anne M. R. Agur, Arthur F. Dalley II : Philadelphia, Pa. ;a London : Lippincott Williams & Wilkins, 2005 - xv, 848 p.

ISBN:0-7817-4255-2 (hft.) LIBRIS-ID:9556751

[Library search](#)

*Mellergård, Pekka*

### Grundläggande neurokirurgi

Lund : Studentlitteratur, 1998 - 359 s.

ISBN:91-44-47751-1 LIBRIS-ID:7279120

[Library search](#)

*Osborn, A*

### Diagnostic Cerebral angiography

Lincott Williams& Wilkins, 1999

*Wojtowycz, Myron*

### Handbook of interventional Radiology and angiography

(second edition) :

*Sand, Olav*

### Människokroppen : fysiologi och anatomi

2. uppl. : Stockholm : Liber, 2007 - 544 s.

ISBN:9147084359 (inb.) LIBRIS-ID:10455726

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