



**Karolinska  
Institutet**

Course syllabus for

## **Mammography, 7.5 credits**

Mammografi, 7.5 hp

This course syllabus is valid from spring 2019.

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

Spring2010 , Spring2012 , Spring2019 , Spring2025

Course code	1RS040
Course name	Mammography
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	Programnämnd 6
Decision date	2010-03-29
Revised by	Education committee CLINTEC
Last revision	2018-10-16
Course syllabus valid from	Spring 2019

## **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 the breasts normal anatomy and physiology
- Explain the connection between the diseases of the breasts and different diagnostic methods
- Compare the different treatment methods available for breast disease
- Reflect on patient experience at suspected disease in the breasts and analyse and discuss the treatment of patient at radiological breast diagnostics
- Be able to understand the principles of mammographic imaging
- Apply current research in the field of a minor project work

## **Content**

The course intends to give an advanced study in the area of radiological breast diagnostics. The advanced study in the area takes place through an overview of modern diagnostic methods, advanced study in the anatomy pathology and treatment methods of the breasts, these include both inflammatory conditions and different cancer diseases. Placement at mammography unit is included in the course and will be planned with the course teacher. During the clinical placement, the student may follow the patient's path through the department. The student will follow the patient at the different examinations that may be included in a mammographic department such as ultrasound, breast puncture and possibly MRI of the breast. The student also participates in rounds and visit breast physicians the pathologist and operating room during the clinical placement. The student may also practise to counter and inform the patient and /or relatives about the examination, and practice simple imaging methodology. Within the course a small project work is carried out in the form of a literary summary.

## Teaching methods

The working methods that are used during the course are lectures, clinical placement and literature studies.

## Examination

For a Pass grade in the course participation in compulsory parts is required and passed independent written examination and advanced assignment.

The placement in the course are compulsory. Compensation of absence is planned in consultation with examiner.

In consultation with the examiner of the course, the student may get a complementary assignment in case of absence from a compulsory part.

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 are provided according to the same set-up when the course is given 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 has the opportunity to be examined according to earlier course syllabus within a year after the date been taken after decision that the course is closed down or goes through larger changes

## Other directives

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

## Literature and other teaching aids

*Arver, Brita; Sjöberg, Nils-Otto; Mattsson, Lars-Åke*

Stockholm : SFOG, 2005 - 102 s.

LIBRIS-ID:10113918

*Carlsson, Maria (red.)*

**Psykosocial cancervård**

1. uppl. : Lund : Studentlitteratur, 2007 - 252 s.

ISBN:9789144047461

[Library search](#)

*Lanyi, Marton*

**Mammography : diagnosis and pathological analysis**

Berlin : Springer cop. 2003, cop. 2003 - xiii, 353 s.

ISBN:3-540-44113-1 (inb.) LIBRIS-ID:8983751

[Library search](#)

**Mammografi**

*Ween, Borgny*

Oslo : Universitetsforlaget, cop. 1992 - 139 s.

ISBN:82-00-40664-4 LIBRIS-ID:7169055

[Library search](#)

**Mammography positioning technique : for the medio lateral oblique projection (MLO)**

*Tabár, László*

Falun : TDT AB, 2000 - 34 s.

LIBRIS-ID:8245220