Course syllabus for

Magnetic resonance tomography, 30 credits

Magnetisk resonanstomografi, 30 hp
This course syllabus is valid from autumn 2023.
Please note that the course syllabus is available in the following versions:
Autumn2010 , Autumn2011 , Autumn2014 , Spring2015 , Spring2019 , Autumn2023 , Autumn2024

Course code	2QA146
Course name	Magnetic resonance tomography
Credits	30 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Radiography
Level	Second cycle, has only first-cycle course/s as entry requirements
Grading scale	Pass, Fail
Department	Department of Clinical Science, Intervention and Technology
Decided by	Styrelsen för utbildning
Decision date	2010-02-19
Revised by	Education committee CLINTEC
Last revision	2023-03-13
Course syllabus valid from	Autumn 2023

Specific entry requirements

At least 120 credits in which it should be included a Degree of Bachelor of Science in Diagnostic Radiology Nursing. In addition, proficiency in Swedish and English equivalent to Swedish B/Swedish 3 and English A/English 6.

Objectives

Technology and physical principles, 10.5 hp

Grading scale: GU

Pathophysiology and research methodology, 12.0 hp

Grading scale: GU

Literature review, 7.5 hp

Grading scale: GU

Teaching methods

Examination

Transitional provisions

Examination will be provided during a period of one year after a possible closing of the course. Examination can be carried out according to an earlier literature list during a period of one year after the date of a renewal of the literature list.

Other directives

Evaluation of the course will be carried out according to the guidelines that are established by the Board of Education at Karolinska Institutet.

Language of instruction: Swedish.

Literature and other teaching aids

Technology and physical principles

McRobbie, Donald W.; Moore, Elizabeth A.; Graves, Martin J

MRI from picture to proton

3. ed. : Cambridge : Cambridge University Press, 2017 - 383 pages
ISBN:9781107643239 LIBRIS-ID:20912353
Library search

Westbrook, Catherine; Talbot, John

MRI in practice

Fifth edition : Hoboken, NJ : Wiley Blackwell, 2019 - xviii, 395 pages
ISBN:9781119391968 LIBRIS-ID:8jpsbrc76bnf55z7
Library search

Pathophysiology and research methodology

Puls, Ralf.

Whole-body MRI Screening

Hosten, Norbert.

Berlin, Heidelberg : Springer Berlin Heidelberg, 2014 - XII, 374 p. 208 illus., 5 illus. in color.
ISBN:9783642552014 LIBRIS-ID:16838330
URL: Online access for KIB
Library search

Roth, Christopher G.; Deshmukh, Sandeep

Fundamentals of Body MRI

Elsevier, 2017
LIBRIS-ID:7hrt9t0l5d0pz08l
URL: Online access for KIB

Carlos Zamora; Mauricio Castillo

Neuroradiology Companion: Methods, Guidelines, and Imaging Fundamentals

5 : Lippincott, Williams & Wilkins, 2016
LIBRIS-ID:r19ctjs8pc0td5vx
URL: Online access for KIB

Whats New for Clinical Whole-body MRI (WB-MRI) in the 21st Century
Tunariu, Nina; Blackledge, Matthew; Messiou, Christina; Petralia, Giuseppe; Padhani, Anwar; Curcean, Sebastian; Curcean, Andra; Koh, Dow-Mu

2020 Ingår i:
The British journal of radiology : BJR

1997-
LIBRIS-ID:5mgcvwpr3hkqcctt
93 (2020) :1115, s. 20200562

Literature review

Forsberg, Christina; Wengström, Yvonne
Att göra systematiska litteraturstudier : värdering, analys och presentation av omvårdnadsforskning

4. rev. utg. : Stockholm : Natur & kultur, 2016 - 216 s.
ISBN:9789127146549 LIBRIS-ID:18897539
Library search