



Course syllabus

Faculty Board of Health, Social Work and Behavioral Sciences
School of Health and Caring Sciences

2VÅ355 Fördjupade yrkesspecifika studier med inriktning mot radiologi, 22,5 högskolepoäng

Further clinical studies in radiology, 22.5 credits

Subject Group

Medical Technologies

Level of classification

First Level

Progression

G2F

Date of Ratification

Approved by the Board of the School of Health and Caring Sciences 2010-06-17

Revised 2011-08-31

The course syllabus is valid from autumn semester 2011

Prerequisites

NO VALUE DEFINED

Expected learning outcomes

On completion of the course, students should be able to:

- plan and carry out/assist in acute examinations and treatment on both adults and children
- plan and carry out common magnetic resonance imaging (MRI)
- plan and carry out common nuclear medical examinations
- plan and carry out/assist in interventional examinations and treatment
- contribute to a sufficient care and working environment for patients, their families and personnel
- apply radiation protection according to current instructions
- integrate development and research work in clinical work
- identify topographical anatomy and pathology in X-ray diagnostics
- manage, prioritise, distribute and coordinate nursing on the basis of patients' resources and needs
- account for fundamental knowledge of ultrasound examinations

Content

The course is carried out as placement

- Acute examinations and treatment

- Magnetic resonance imaging examinations
- Nuclear medical examinations
- Interventional examinations and treatment
- Ultrasound examinations
- Radiation protection
- Documentation
- Communication
- Care and working environments
- Topographical anatomy and pathology
- X-ray diagnostics
- Statutes, regulations and general advice that are relevant to the professional practice

Mandatory elements will be specified in the course schedule.

Type of Instruction

Lectures

Supervision individual and group

Application exercises

Examination

The course is assessed with the grades Fail (U) or Pass (G).

Course Evaluation

A written evaluation is carried out and compiled in a report, which is archived at the institution. The results, along with possible measures taken, are reported to the students the next time the course is given.

Other

The number of examination opportunities is limited to five; placement is limited to two.

Placement is carried out at a number of X-ray departments in the country, which can mean expenses in the form of travel as well as accommodation in the study area.

Required Reading and Additional Study Material

Aspelin, P. & Pettersson, H. (red) *Radiologi*. Lund: Studentlitteratur, latest edition, part of book, 200 pages.

Bontrager, K.L. & Lampignano, J.P. *Textbook of radiographic positioning and related anatomy*. St.Louis: Elsevier Mosby Inc, latest edition, part of book, 100 pages.

Grefberg, N. & Johansson, L-G. (red) *Medicinboken-vård av patienter med invärtes sjukdomar*. Stockholm: Liber, latest edition, part of book, 105 pages.

Hietala, S-O. (red) *Nuklearmedicin*. Lund: Studentlitteratur, latest edition, 270 pages.

Järhult, K. & Offenbartl, K. *Kirurgiboken*. Stockholm: Liber, latest edition, part of book, 50 pages.

Nycomed Amersham. *Fokus på MRI og bruk av kontrastmidler*. Nycomed Imaging AS, 1996, part of book, 60 pages.

Sonesson, B. & Sonesson, G. *Anatomi och fysiologi*. Stockholm: Liber, latest edition, part of book, 200 pages.

Vigué-Martin, J. *Atlas över människokroppen*. Stockholm: Liber, latest edition, part of book, 100 pages.

Raadu, G. *Författningshandbok för personal inom hälso-och sjukvården*. Latest edition

Strålsäkerhetsmyndighetens författningssamling SSMFS

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