HL1013 Medical Imaging Systems 6.0 credits

Medicinska bilder

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for HL1013 valid from Autumn 2019

Grading scale

A, B, C, D, E, FX, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

Course contents

Course literature

Föregående läsår användes:

Allisy-Roberts and Williams: Farr’s Physics for Medical Imaging, Second Edition, Elsevier 2007

Edwin GA Aird: Basic Physics for Medical Imaging, 1993

Lindén & Öberg: Jacobsons Medicin och Teknik, Studentlitteratur 2006

Bertil Jacobson: Teknik i praktisk sjukvård, Studentlitteratur 2003

Jean Pope: Medical Physics: Imaging. Heinemann 1999

In depth:

Prince & Links: Medical Imaging, Signals and Systems, Pearson Prentice Hall 2005

Guy & ffytche: An Introduction to the Principles of Medical Imaging, Imperial College Press 2005

Examination

- RED1 - Account, 6.0 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH’s coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.