SD2710 Initial Ship Design 8.0 credits

Marinteknik

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

Establishment

Course syllabus for SD2710 valid from Spring 2011

Grading scale

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

Education cycle

Second cycle

Main field of study

Mechanical Engineering

Specific prerequisites

Base programme T, M, P, F or equivalent

Language of instruction

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

Intended learning outcomes

The course will give the student basic knowledge in naval architecture, seaborne transportation and the mechanics of naval crafts – stability, resistance and screw propulsion. Course participants will gain theoretical knowledge, and through assignments gain practical skills, of modern analysis methods and report writing.

Course contents

The course is based on the following main topics:

- worldwide seaborne transportation
- hydrostatics and stability
- resistance: phenomena and analysis methods
- screw propulsion
- initial ship design

Course literature

Course binder: Garme, Kuttenkeuler & Rosén

Examination

- INL1 - Assignment, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- TEN1 - Examination, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 2.0 credits, grading scale: P, 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.

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

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.