SD1710 Introduction to Naval Architecture 15.0 credits

Introduktion till marina system

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 SD1710 valid from Spring 2011

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

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. The course will develop the students' ability to formulate technical tasks, find and try feasible solutions and to communicate their work orally and in 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
- individually chosen and formulated marine technology project

Course literature

Course binder: Garme, Kuttenkeuler & Rosén

Examination

- INL1 - Assignments, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 2.0 credits, grading scale: P, F
- PRO1 - Project, 10.0 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.