



SD2724 Minor Marine Technology Project 3.0 credits

Mindre fördjupningsprojekt inom marin teknik

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

Establishment

Course syllabus for SD2724 valid from Autumn 2015

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Mechanical Engineering

Specific prerequisites

Bachelor of science in vehicle engineering, engineering physics, mechanical engineering or similar and on-going studies within the naval architecture or maritime engineering programs at KTH.

Language of instruction

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

Intended learning outcomes

This course gives students the opportunity to perform an independent in-depth study within marine technology, individually or in collaboration with other students. The study can for example be:

- an in-depth study in some certain area, for example propeller theory or finite element analysis;
- a synthesis of methods and results that the student has conceived in other courses in the Master of Science Programs Naval Architecture or Maritime Engineering;
- a concept study, for example in collaboration with industrial design students from the University College in Arts, Craft and Design.

The objective is that students after finishing the course shall be able to:

1. demonstrate substantially deeper methodological knowledge and understanding in some area of marine technology;
2. demonstrate ability to, from a holistic perspective, critically, independently and creatively identify, formulate and deal with complex issues and situations in marine technology;
3. demonstrate ability to plan and carry out advanced engineering tasks within given frames using appropriate methods and to evaluate this work;
4. demonstrate ability to clearly present and discuss engineering conclusions and the knowledge and arguments behind them, orally and in writing.

Course contents

Independent project work. Supervision. Seminars. Oral and/or written reporting.

Course literature

Depending on the chosen project

Examination

- ÖVN1 - Assignments, 3.0 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.

Other requirements for final grade

ÖVN1 -3ECTS (P/F)

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.