



SD2515 Project -Biobased Materials and Products 15.0 credits

Projekt - Biobaserade material och produkter

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

Establishment

Course syllabus for SD2515 valid from Autumn 2007

Grading scale

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

Education cycle

Second cycle

Main field of study

Specific prerequisites

SD2500 or comparable background in materials courses

Language of instruction

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

Intended learning outcomes

The goal of the project is to develop a new biobased material or product. In the course, the students learn to

- work in project from
- communicate orally and in writing
- analyse materials problems in a systems perspective
- address complex materials problems
- develop strategies for using materials engineering methods
- apply methods from the growing area of ecodesign

Course contents

The course contains project work in the form of planning, studying, development work and experimental and analytical tasks. In addition, project meetings are an important part of the course. Guest lectures are provided, focusing on technology or project management.

Course literature

Bodig and Jayne "Mechanics of wood and wood composites" Krieger 1993

Mohanty, Misra and Drzal "Natural fibers, biopolymers and biocomposites" CRC Taylor and Francis, 2005

Examination

- ÖVN1 - Assignments, 2.0 credits, grading scale: P, F
- PRO1 - Project, 3.0 credits, grading scale: P, F
- ÖVN4 - Assignments, 2.0 credits, grading scale: P, F
- ÖVN5 - Assignments, 2.0 credits, grading scale: P, F
- ÖVN2 - Assignments, 2.0 credits, grading scale: P, F
- ÖVN3 - Assignments, 2.0 credits, grading scale: P, F
- ÖVN6 - Assignments, 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.

Other requirements for final grade

Approved exercises 1-6 and completed project.

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.