



Course syllabus

Projekt - materialteknik Project - Materials Engineering

FKMN25, 7,5 credits, A (Second Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED M

Date of Decision: 2023-04-11

General Information

Elective for: M4

Language of instruction: The course will be given in English

Aim

The course aims to help the student get a deeper understanding of an area of importance in materials engineering.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- obtain the necessary knowledge about the chosen subject from literature (books, journal articles etc).

Competences and skills

For a passing grade the student must

- show the ability to locate relevant information from literature
- show the ability to plan and perform the practical tasks in the project
- write a report

Judgement and approach

For a passing grade the student must

- show the ability to (with some help) choose appropriate methods (theoretical and experimental) to solve the given problem
- be able to critically assess the results obtained

Contents

The study can be experimental, theoretical or both.

Examination details

Grading scale: UG - (U,G) - (Fail, Pass)

Assessment: Written report.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Admission

Admission requirements:

- FKMA01 Materials Engineering, Basic Course and at least one advanced course within the subject

The number of participants is limited to: No

Reading list

- Depends on the problem to be solved. To be identified after consultations between the examiner and the student.

Contact and other information

Course coordinator: Prof. Dmytro Orlov, dmytro.orlov@material.lth.se

Course administrator: Rose-Marie Hermansson, Rose-Marie.Hermansson@mel.lth.se

Course homepage: <http://www.material.lth.se/>