

SYLLABUS

Project course Material Science and Engineering I 15 credits T7023T

Projektkurs Materialteknik I

Course syllabus admitted: Autumn 2023 Sp 1 - Present

**DECISION DATE
2021-02-19**

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Projektkurs Materialteknik I

Second cycle, T7023T

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Materialteknik	Materials Technology

Entry requirements

Completed courses of at least 120 credits including at least 15 credits in Material Science or equivalent.

Selection

The selection is based on 30-285 credits

Course Aim

The student develops knowledge in a field not covered by ordinary courses and to learn to work independently, close to research.

This means that on completion of the course the student is able to:

- Formulate a relevant problem for investigation from a chosen subject within the subject area Material Science.
- Apply knowledge and proficiency that has been acquired during the period of study to a complex development project or a smaller research project in an independent and systematic manner.
- Choose and justify the study method for an investigation.
- Analyse and defend the problem formulated in a correct manner with respect to science and engineering, without complete information.
- Locate and critically review information and summarise this in a scientific manner.
- Plan, structure and execute a project within research, development or investigation.
- Express themselves well in writing in a verbally and scientifically correct manner.

Contents

The content of the course is specified, by the examiner, in a detailed course description at the course occasion. The courses are often given close to ongoing research projects at the Department of Engineering Sciences and Mathematics.

Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

The realization of the course is specified, by the examiner, in a detailed course description at the course occasion. The courses are on advanced level so the students are expected to take a bigger responsibility for their learning compared to basic courses.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. The examination of the course is specified, by the examiner, in a detailed course description at the course occasion and can consist of written reports, written/verbal presentations, written/verbal tests and/or seminars.

Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term “unauthorized aids” refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

Remarks

By the examiner and the director of undergraduate studies approved application is made directly to the department on forms provided for the purpose.

Course offered by

Department of Engineering Sciences and Mathematics

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Project work	G U 3 4 5	15	Mandatory	S14	Yes

Last revised

by Head Faculty Programme Director Niklas Lehto 2021-02-19

Syllabus established

by Mats Näsström 2014-06-10