SYLLABUS

Material Science, Case Studies 15 credits T7007T

Materialvetenskap, huvudkurs

Course syllabus admitted: Autumn 2017 Sp 1 - Spring 2020 Sp 4

DECISION DATE
2017-02-13

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LULEÅ TEKNISKA UNIVERSITET

Material Science, Case Studies 15 credits T7007T

Materialvetenskap, huvudkurs

Second cycle, T7007T

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

Entry requirements

Basic courses in material science and engineering, T0003T, T0004T or T7001T or equivalent.

Selection

The selection is based on 30-285 credits

Examiner

Esa Vuorinen

Course Aim

After completing the course, the student should have achieved - a deeper knowledge about one specific area in the field of material science and engineering - knowledge to independently plan, perform and report scientifically- or industry- relevant experimental studies - ability to critically analyze the obtained data and determine its validity and propose improvements - ability to critically evaluate work done by others within the discipline of materials science and engineering - knowledge and ability to present the results of the project work in a scientific and attractive way Contents The projects are based on ongoing research at the department or materials engineering projects at collaborating industries.

Contents

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Realization

Each course occasion´s language and form is stated and appear on the course page on Luleå University of Technology's website.
Consultations and advising in the Material science laboratory. The work is performed individually or in a small group.

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.
Written report and presentation at a local symposia

Overlap

The course T7007T is equal to MPM041, MPC008, MPM022, T7009T

The course is equivalent to MPC008.

Literature. Valid from Autumn 2007 Sp 1

Relevant scientific literature collected through literature search

Course offered by

Department of Engineering Sciences and Mathematics

Items/credits

Number	Type	Credits	Grade
0001	Project	15	G U 3 4 5

Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

Last revised

by Mats Näsström 2017-02-13

Syllabus established

The syllabus was established by the Department of Applied Physics and Mechanical Engineering 2007-02-28, and remains valid from autumn 2007.