LUNDS UNIVERSITET
Lunds Tekniska Högskola

Course syllabus

Projekt - Maskinkonstruktion
Project - Machine Design

MMKN65, 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 on demand

Aim

The aim set out for this course is to give the student the possibility to study more specialised topics within an area not covered by the traditional courses. For students from abroad this course opens up a a possibility to cover parts of courses which otherwise would be impossible for the student to participate in.

Learning outcomes

Knowledge and understanding
For a passing grade the student must

- be able to motivate the field or topic of study for the supervisor or alternatively perform a minor pre-study - if the subject of study is proposed by the supervisor or a company
- establish a time plan for the theoretical study part of the project
- independently of regular lectures carry out the theoretical study

Competences and skills
For a passing grade the student must

- document the findings/results in form of a report and, if the project is performed in cooperation with industry within an ongoing research project, orally present the findings/results
- motivate the findings/results of the project

Judgement and approach
For a passing grade the student must

- reflect on the possibility to generalise the findings/results - this if the project is performed within an ongoing research project.

Contents

The project can be of a practical and/or theoretical nature.

Examination details

Grading scale: TH - (U,3,4,5) - (Fail, Three, Four, Five)
Assessment: The grading of this course is based on the documented findings/results reported by the student. Projects which are carried out in cooperation with industry and/or within ongoing research projects might require an oral presentation as well - this in addition to the 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:

- FHLN01 Structural Optimization or FKMN20 Advanced Materials Technology or FMEN30 Fatigue or MMEN05 Transmissions, Dynamics or MMKF25 Surface Modelling, Rendering and 3D or MMKF30 Hydraulics and Pneumatics or MMKN11 Design for X or MMKN21 Design in Thermoplastic Materials or MMKN35 Product Innovation or MMKN41 Design in Polymer Composite Materials or MMKN46 Computer Based Engineering, Design Analysis 1 or MMKN51 Computer Based Engineering, Design Analysis 2 or MMKN55 Engineering Design Techniques or MTTN40 Packaging Technology and Development

The number of participants is limited to: No

Reading list

- Decided together with the examiner.

Contact and other information

Course coordinator: Per Kristav, per.kristav@design.lth.se
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