



LUNDS UNIVERSITET
Lunds Tekniska Högskola

Course syllabus

Projekt i industriell elektroteknik och automation

Project in Industrial Electrical Engineering and Automation

EIEN30, 7,5 credits, A (Second Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED E

Date of Decision: 2023-04-11

General Information

Elective for: D4, E4-em, F4, M4

Language of instruction: The course will be given in English on demand

Aim

The project course is aiming at deepened studies within one of the fields of courses and research at IEA (Div of Industrial Electrical Engineering and Automation). To be admitted to the course, the student should have reached the grade 4 or 5 or other corresponding assessment in at least one of the advanced courses at IEA.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- deepen and independently use the knowledge and skills acquired in one of the advanced courses of the department, often in connection with a research project.

Competences and skills

For a passing grade the student must

- independently design, develop, and appreciate solutions to a given problem
- use the knowledge and skills acquired in one of the advanced courses of the department.

Judgement and approach

For a passing grade the student must

- be able to communicate with researchers in the chosen area.

Contents

Theoretical studies. Possible experimental verification in one of IEA research projects.

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:

- EIEN25 Power Electronics OR EIEN60 Applied Power Electronics OR EIEN15 Electric Power Systems OR EIEN20 Design of Electrical Machines OR EIEN45 Applied Mechatronics OR EIEN50 Automation OR EIEN35 Automation for Complex Systems OR EIEN41 Electric and Electric Hybrid Vehicle Technology OR EIEN10 Wind Power Systems. AND After discussion with Coordinator, an approved Project Plan

The number of participants is limited to: No

The course overlaps following course/s: EIE061

Reading list

- Defined at the start of the project, depending on the area of the project.

Contact and other information

Course coordinator: Jörgen Svensson, jorgen.svensson@iea.lth.se

Course homepage: <https://www.lth.se/iea/utbildning/valfria-kurser-i-lund/projekt-i-industriell-elektroteknik-och-automation/>