

COURSE DETAIL

MECHATRONICS: INDUSTRIAL PRODUCT DESIGN

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering Electrical Engineering

UCEAP Course Number

111

UCEAP Course Suffix**UCEAP Official Title**

MECHATRONICS: INDUSTRIAL PRODUCT DESIGN

UCEAP Transcript Title

MECHATRONIC DESIGN

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

The course gives students knowledge, skills, and experience in an industrially based mechatronic development project, which is conducted up to a working prototype. It is essential that the work is done in a team with competences from various fields. The development process starts with extensive information search, brain storming, and evaluation, activities which often encompass 30-40% of the total work load. This has been done in the course APPLIED MECHATRONICS. Then follows the selection of concept, constructive design of the product idea, ordering of components, building, testing, and adjustments. The course concludes with the official presentation of the designed products, where representatives from industry, course leaders, and the press take part.

Language(s) of Instruction

English

Host Institution Course Number

EIEN01

Host Institution Course Title

MECHATRONICS: INDUSTRIAL PRODUCT DESIGN

Host Institution Campus

Engineering

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engineering- Industrial Electrical Engineering and Automation

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