

COURSE DETAIL

DESIGN FOR X

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering Engineering

UCEAP Course Number

105

UCEAP Course Suffix**UCEAP Official Title**

DESIGN FOR X

UCEAP Transcript Title

DESIGN FOR X

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces the concept "Design for X" (DfX), which is well established within product development. In any product development project, it is essential to ensure that the product satisfies the functions it is designed for. But many other issues are caused by, or affect the properties of the product: is the product reliable, sustainable, is it easy to assemble, and inexpensive to manufacture? In this course, the following "design for Xs" are included: design for manufacturing and assembly (DFMA), design for additive manufacturing (DFAM), robust design, design for environment (DFE), and design to cost (DtC).

Language(s) of Instruction

English

Host Institution Course Number

MMKN11

Host Institution Course Title

DESIGN FOR X

Host Institution Course Details

<https://kurser.lth.se/kursplaner/senaste-en/MMKN11.html>

Host Institution Campus

Lund

Host Institution Faculty

Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed

2023-2024

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