

COURSE DETAIL

PRODUCTION

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering Materials Science Engineering

UCEAP Course Number

135

UCEAP Course Suffix**UCEAP Official Title**

PRODUCTION

UCEAP Transcript Title

PRODUCTION

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

Production technology covers major part of manufacturing processes applied for creating form and shape of the product. The manufacturing processes covered in this course include: casting processes, such as sand casting, shell mold casting, die casting and investment casting; forming processes, such as hot and cold forging, rolling, extrusion, bending, deep drawing, wire drawing and spinning; shearing operations such as blanking and fine blanking; metal cutting methods such as turning, milling grinding, threading and drilling; non-traditional machining processes, such as chemical, electrochemical, erosive, laser and ultrasound machining; joining processes including metallurgy, weldability of the materials and different welding methods, such as fusion welding and solid state welding processes.

Language(s) of Instruction

English

Host Institution Course Number

MMTF01

Host Institution Course Title

PRODUCTION

Host Institution Course Details

https://kurser.lth.se/kursplaner/25_26-en/MMTF01.pdf

Host Institution Campus

Lund

Host Institution Faculty

Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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