

COURSE DETAIL

DESIGN OF TIMBER STRUCTURES

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering Civil Engineering

UCEAP Course Number

136

UCEAP Course Suffix**UCEAP Official Title**

DESIGN OF TIMBER STRUCTURES

UCEAP Transcript Title

TIMBER STRUCTURES

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The course provides understanding and knowledge about the behavior of advanced timber structures, tools for modeling and design, and the ability to weigh the pros and cons of different structural systems. The course includes the following parts: timber structures multi-story buildings and structures with a long span; instability of members (lateral torsional buckling of beams); straight and curved members; holes and notches in beams; cross-laminated timber; bracing of structures; design of details; connections for timber structures including dowel-type joints and glued joints; learning from failures; frames, arches, and cable structures; and the ability to independently approach, solve, and present one's work.

Language(s) of Instruction

English

Host Institution Course Number

VBKN30

Host Institution Course Title

DESIGN OF TIMBER STRUCTURES

Host Institution Course Details

https://kurser.lth.se/kursplaner/22_23%20eng/VBKN30.pdf

Host Institution Campus

Host Institution Faculty

Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed

2022-2023

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