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 Campus

Host Institution Faculty
Engineering

Host Institution Degree

Host Institution Department

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