COURSE DETAIL

BIOBASED BUILDING MATERIALS
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 134
UCEAP Course Suffix
UCEAP Official Title BIOBASED BUILDING MATERIALS
UCEAP Transcript Title BIOBASED BUILD MTRL
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course gives in-depth knowledge on the interest and need of using biobased building materials such as wood, wood-based materials, and materials based on plant fibers these materials' properties as well as strengths and weaknesses for different areas of usage. The course covers the following topics: Makro and microstructure of biobased materials; moisture sorption and moisture properties; durability; modification techniques and how these affect the material properties; thermal and mechanical properties; biobased materials in a life cycle perspective; and usage of biobased materials in buildings/structures.

Language(s) of Instruction
English

Host Institution Course Number
VBMN20

Host Institution Course Title
BIOBASED BUILDING MATERIALS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty
Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed
2022-2023

Print