

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 Campus

Host Institution Faculty

Engineering

Host Institution Degree

Host Institution Department

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