

COURSE DETAIL

LIGHT MATERIALS

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering Engineering

UCEAP Course Number

181

UCEAP Course Suffix**UCEAP Official Title**

LIGHT MATERIALS

UCEAP Transcript Title

LIGHT MATERIALS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The objective of the course is to introduce the students to the materials used in light constructions, e.g. light metals and composites. The focus is on polymer matrix composites, but also the light metals Ti, Al, and Mg and other types of composites are discussed. Manufacturing methods, heat treatments, properties, and environmental aspects are discussed in the course. Special focus is on dimensioning methods for composites, especially laminate theory.

Language(s) of Instruction

English

Host Institution Course Number

FKMN15

Host Institution Course Title

LIGHT MATERIALS

Host Institution Course Details

Host Institution Campus

Engineering

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engineering- Mechanical Engineering

Course Last Reviewed

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