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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