

# COURSE DETAIL

## LIGHTWEIGHT STRUCTURES I

**Country**

Germany

**Host Institution**

Technical University Berlin

**Program(s)**

Technical University Summer, Technical University Berlin

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mechanical Engineering Engineering

**UCEAP Course Number**

111

**UCEAP Course Suffix****UCEAP Official Title**

Lightweight Structures I

**UCEAP Transcript Title**

LGHTWEIGHT STRUCT I

**UCEAP Quarter Units**

5.50

**UCEAP Semester Units**

3.70

## Course Description

This course teaches the concepts of the behavior, structure, problems, modeling, materials and the forms of failure of lightweight structures. Students analyze lightweight structures, understand designs, and predict behavior responses of certain structures. The course utilizes several examples relating to aircraft structures to teach the concepts.

## Language(s) of Instruction

German

## Host Institution Course Number

3534 L 216

## Host Institution Course Title

Lightweight Structures I

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Institut für Luft- und Raumfahrt

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