

COURSE DETAIL

CAD IN AUTOMOBILE AND MECHANICAL ENGINEERING

Country

Germany

Host Institution

Technical University Berlin

Program(s)

Technical University Berlin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

109

UCEAP Course Suffix**UCEAP Official Title**

CAD IN AUTOMOBILE AND MECHANICAL ENGINEERING

UCEAP Transcript Title

AUTOMOTIVE CAD

UCEAP Quarter Units

5.50

UCEAP Semester Units

3.70

Course Description

The lecture part of this course covers the following: fundamentals of CAD, concepts of vehicles and machines, DMU process, additive manufacturing, CAD for computer simulation, CAD/CAM for prototype production, CAD/CAM for serial production. The exercises in this course cover: constructing with CATIA V5 using practical examples; Solid Design, Shape Design, Assembly Design and Kinematics. Independent learning of the software is required with extensive video tutorials.

Language(s) of Instruction

German

Host Institution Course Number

0533 L 661

Host Institution Course Title

CAD IN AUTOMOBILE AND MECHANICAL ENGINEERING

Host Institution Campus

FAKULTÄT V VERKEHRS- UND MASCHINENSYSTEME

Host Institution Faculty

Host Institution Degree

Host Institution Department

Maschinenkonstruktion und Systemtechnik

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