

## 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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