

## COURSE DETAIL

### AERODYNAMICS I

**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**

102

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

AERODYNAMICS I

**UCEAP Transcript Title**

AERODYNAMICS I

**UCEAP Quarter Units**

5.50

**UCEAP Semester Units**

3.70

## Course Description

This course offers a study of the fundamentals of aircraft aerodynamics. Topics include lift and drag, and aerodynamics of the wing and the tail units. The course examines theoretical, numerical, and experimental methods in aerodynamics. The course consists of lectures, and exercises in which theoretical and experimental exercises are reviewed. Students participate in an excursion to the wind tunnel on Technical University's campus. Students are required to have completed a fluid mechanics course as a prerequisite.

## Language(s) of Instruction

German

## Host Institution Course Number

3534 L 110

## Host Institution Course Title

AERODYNAMIK I

## Host Institution Course Details

<https://moseskonto.tu-berlin.de/moses/modultransfersystem/bolognamodule/beschre...>

## Host Institution Campus

## Host Institution Faculty

FAKULTÄT V VERKEHRS- UND MASCHINENSYSTEME

## Host Institution Degree

## Host Institution Department

Institut für Luft- und Raumfahrt

## Course Last Reviewed

2021-2022

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