

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

AERODYNAMICS I

Host Institution Campus

Host Institution Faculty

FAKULTÄT V VERKEHRS- UND MASCHINENSYSTEME

Host Institution Degree

Host Institution Department

Institut für Luft- und Raumfahrt

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