

COURSE DETAIL

PRESSURE GAIN COMBUSTION

Country

Germany

Host Institution

Technical University Berlin

Program(s)

Technical University Berlin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering Engineering

UCEAP Course Number

123

UCEAP Course Suffix**UCEAP Official Title**

PRESSURE GAIN COMBUSTION

UCEAP Transcript Title

PRESS GAIN COMBUSTN

UCEAP Quarter Units

5.50

UCEAP Semester Units

3.70

Course Description

This class examines a major part of fluid mechanics: gas dynamics. It covers concepts such as combustion, compressible flows, normal and oblique shocks, and detonation. In addition, the course also focuses on applying the concepts of thermodynamics and fluid mechanics to propulsion systems such as a pulsejet and a rotating detonation combustor.

Language(s) of Instruction

English

Host Institution Course Number

3531 L 593

Host Institution Course Title

PRESSURE GAIN COMBUSTION

Host Institution Campus

Host Institution Faculty

FAKULTÄT V VERKEHRS- UND MASCHINENSYSTEME

Host Institution Degree

Host Institution Department

Strömungsmechanik und Technische Akustik

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