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 Course Details
https://moseskonto.tu-berlin.de/moses/modultransfersystem/bolognamodule/beschre...

Host Institution Campus

Host Institution Faculty
FAKULTÄT V VERKEHRS- UND MASCHIENENSYSTEME

Host Institution Degree

Host Institution Department
Strömungsmechanik und Technische Akustik

Course Last Reviewed
2021-2022

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