

COURSE DETAIL

STATICS AND STRENGTH OF MATERIALS

Country

Germany

Host Institution

Technical University Berlin

Program(s)

Technical University Berlin

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

10

UCEAP Course Suffix**UCEAP Official Title**

STATICS AND STRENGTH OF MATERIALS

UCEAP Transcript Title

STATICS&STRNGTH MAT

UCEAP Quarter Units

8.50

UCEAP Semester Units

5.70

Course Description

This class on statics and strength of materials introduces students to the following topics: force/moment, static equilibrium conditions, general force systems, center of gravity, bearings, trusses, foundation of strength theory, stress, distortion, Hooke's Law, beam bending, torsion, shear, and composite stress.

Language(s) of Instruction

German

Host Institution Course Number

0530 L 011/0530 L 01

Host Institution Course Title

STATIK UND ELEMENTARE FESTIGKEITSLEHRE

Host Institution Course Details

Host Institution Campus

FAKULTÄT V VERKEHRS- UND MASCHIENENSYSTEME

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mechanik

Course Last Reviewed

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