

COURSE DETAIL

INTRODUCTION TO ELECTRICAL ENGINEERING

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

15

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO ELECTRICAL ENGINEERING

UCEAP Transcript Title

INTRO ELECTRIC ENG

UCEAP Quarter Units

5.50

UCEAP Semester Units

3.70

Course Description

This course covers the basics of electrical engineering for non-Electrical Engineering students. It is primarily intended for Mechanical Engineering, Traffic Engineering, and other related majors. The topics covered include: basic terms and sizes of electrical engineering, flow laws in DC circuits, electric field, magnet, field and induction law, basic laws in AC circuits, three-phase circuits, forced and free oscillations, semiconductors, amplifiers, digital electronics, motor.

Language(s) of Instruction

German

Host Institution Course Number

0430 L 522

Host Institution Course Title

INTRODUCTION TO ELECTRICAL ENGINEERING

Host Institution Campus

FAKULTÄT IV ELEKTROTECHNIK UND INFORMATIK

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Energie- und Automatisierungstechnik

[Print](#)