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
GRUNDLAGEN DER ELEKTROTECHNIK (SERVICE)

Host Institution Course Details

Host Institution Campus
FAKULTÄT IV ELEKTROTECHNIK UND INFORMATIK

Host Institution Faculty

Host Institution Degree

Host Institution Department
Energie- und Automatisierungstechnik

Course Last Reviewed

Print