

电工电子学课程介绍

一、中文简介：

"电工电子学"是工科非电类专业学生的技术基础课程，它将电工技术和电子技术相互贯通，着重加强电工电子技术的应用及一些新技术的介绍。课程内容主要包括电路和电路元件，电路分析基础，分立元件基本电路，数字集成电路，集成运算放大器，波形产生和变换，测量和数据采集系统，功率电子电路，变压器和电动机，电气控制技术。

二、英文简介：

《Electrical and Electronic Engineering 》 is a foundational course for engineering students majoring in non-electrics. This course focuses on application of electrotechnics electronics and relevant new technology combining electrotechnics and electronics theories. It includes circuit and elements, circuit analysis base, discrete component circuit, digital integrate circuit, integrated operational amplifier, generation and conversion of wave, measuring and data collecting system, power electronic circuit, transformer/ electro-motor and electric control technology.