

# introduction\_in\_ee1

## Student Group

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## Table of Contents

- 0. Introduction to electrical Engineering** ..... 2
- 0.0 myself** ..... 2
- My Resume ..... 2
- My Resume ..... 2
- My Resume ..... 2
- My Resume ..... 2
- My Resume ..... 2
- my subjects ..... 2
- further connections ..... 2
- 0.0 You** ..... 3
- A glance around ..... 3
- Point of Origin ..... 3
- 0.1 What does your future look like?** ..... 3
- Outlook ..... 3
- Overview of the Lectures (MR) ..... 3
- Overview of the Lectures (MR) ..... 4
- 0.2 What should you bring with you?** ..... 5
- General ..... 5
- Mathematics/Physics ..... 5
- 0.3 Sources for "Aftermath"** ..... 5
- 0.4 Scared by the topics in the first week?** ..... 6
- Further information on EE1** ..... 6
- ILIAS course ..... 6
- Tutorials ..... 6
- Written exam EE1 ..... 6
- 0.6 Further information on EE2** ..... 7
- ILIAS course ..... 7
- Written exam EE2 ..... 7

# 0. Introduction to electrical Engineering

## 0.0 myself

**My Resume**

**My Resume**

**My Resume**

**My Resume**

**My Resume**

### **my subjects**

- Electrical Engineering I/II
- Introduction to Digital Systems
- Circuit Design
- Elektronik Labor (German, Electronics Laboratory)
- Microcontrollertechnik (German, Microcontroller Technology)
- Elektronische Systeme (German, Electrical Systems)

### **further connections**

- Laborarbeit (mixed, Laboratory work)
- Bachelor-Seminararbeit (mixed, Student Research Project for Bachelor)
- Bachelor-Thesis (mixed)
- Master Seminararbeiten (mixed, Student Research Project for Master)
- Master Thesis (mixed)
- Promotions-Thesis (mixed)

# 0.0 You

## A glance around

### Point of Origin

## 0.1 What does your future look like?

### Outlook



### Overview of the Lectures (MR)



**Overview of the Lectures (MR)**



## 0.2 What should you bring with you?

### General



- Ability to engage with abstract issues
- Motivation to learn not only during lectures but also lecture-accompanying
- The secret of "to be able" lies in "to want"

### Mathematics/Physics



- Understanding of physical problems
- Vectors
- Linear systems of equations/matrices
- Differential and integral calculus
- complex numbers

## 0.3 Sources for "Aftermath"

G Hagmann	<b>Grundlagen der Elektrotechnik,</b> AULA-Verlag about the same level as the course; covers ET1 and ET2 (German) can be found analog in the library Heilbronn Sontheim
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- Note: A legible and comprehensible calculation process must be available for each result.

## 0.6 Further information on EE2

### ILIAS course

- The course for Electrical Engineering II can be found in [ILIAS](#):  
Fakultät für Mechanik und Elektronik » Mechatronik und Robotik (Bachelor) » SPO 1 Englisches Grundstudium  
» Basic studies in English » (134540) Electrical Engineering »  
[\(134542\) Electrical Engineering 2 - Prof. Dr. Tim Fischer](#)

### Written exam EE2

- Time: 120 minutes
- allowed aids in the exam:
  - pocket calculator
  - 2 double-sided sheets DIN-A4 handwritten formulary  
(or 4 one-sided sheets)
- Note: A legible and comprehensible calculation process must be available for each result.

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