

# introduction\_in\_ee1

## Student Group

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# 0. Introduction to electrical Engineering

## 0.0 myself

**My Resume**

**My Resume**

**My Resume**

**My Resume**

**My Resume**

## my subjects

- Electrical Engineering and Electronics I/II
- Electronics Laboratory  
combined with Elektronik Labor
- Microcontroller Technology  
combined with Microcontrollertechnik
- Electronic Systems  
combined with Elektronische Systeme

## further connections

- Projects Studies (Laborarbeit)
- Student Research Project for Bachelor  
(Bachelor-Seminararbeit)
- Bachelor-Thesis
- Student Research Project for Master  
(Master Seminararbeiten)
- Master Thesis
- Promotions-Thesis

# 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:
  - scientific, non-programmable 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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