

# 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 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



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Quartz: Saeed Adnan - @ Flickr, CC BY 2.0

## Overview to the Lectures (MR)



**Overview to 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 Hagemann	<b>Grundlagen der Elektrotechnik,</b> $\text{\tiny{\substack{\begin{align} & \& \text{ AULA-Verlag } & \& \& \text{about the same} \\ & \& \text{level as the course; covers ET1 and ET2 (German) } & \& \end{align} }}}$
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## 0.6 Further information on ET2

### 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

- Time: 120 minutes
- allowed aids in exam:
  - pocket calculator
  - 2 sheets DIN-A4 handwritten formulary
- Note: A legible and comprehensible calculation process must be available for each result.

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