

introduction_in_ee1

Student Group

First Name	Surname	Matrikel Nr.

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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



Big atom: David Carrera/Romero - @ wikimedia, CC BY-SA 4.0

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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 Hagmann	Grundlagen der Elektrotechnik, $\text{\tiny{\substack{\begin{align} & \text{AULA-Verlag} \\ & \text{about the same} \\ & \text{level as the course; covers ET1 and ET2 (German)} \end{align}}}}$
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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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