

0. Introduction to electrical Engineering

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
- Microcontrollertechnik (in German)
- 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
- PhD Thesis

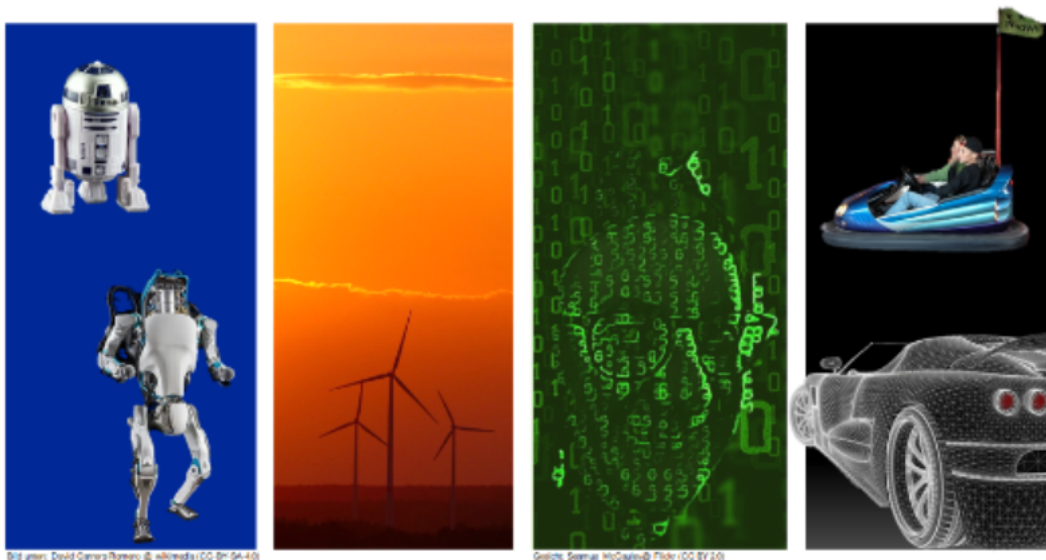
0.0 You

A glance around

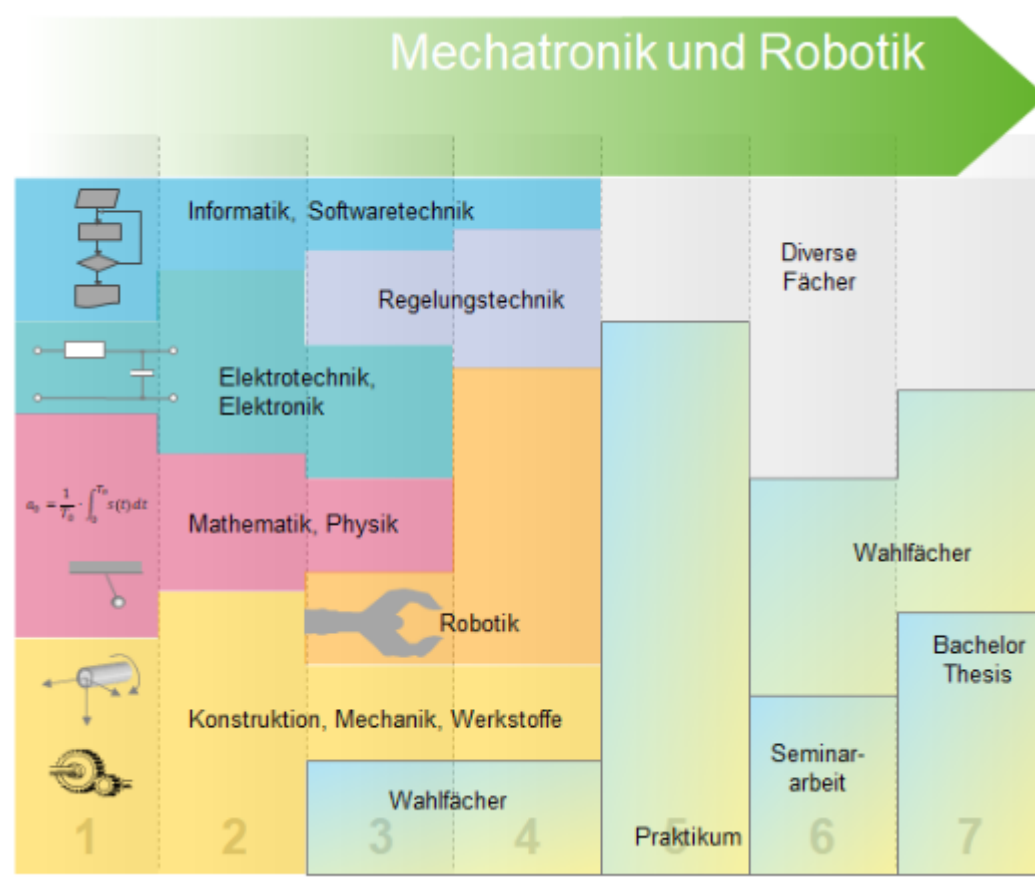
Point of Origin

0.1 What does your future look like?

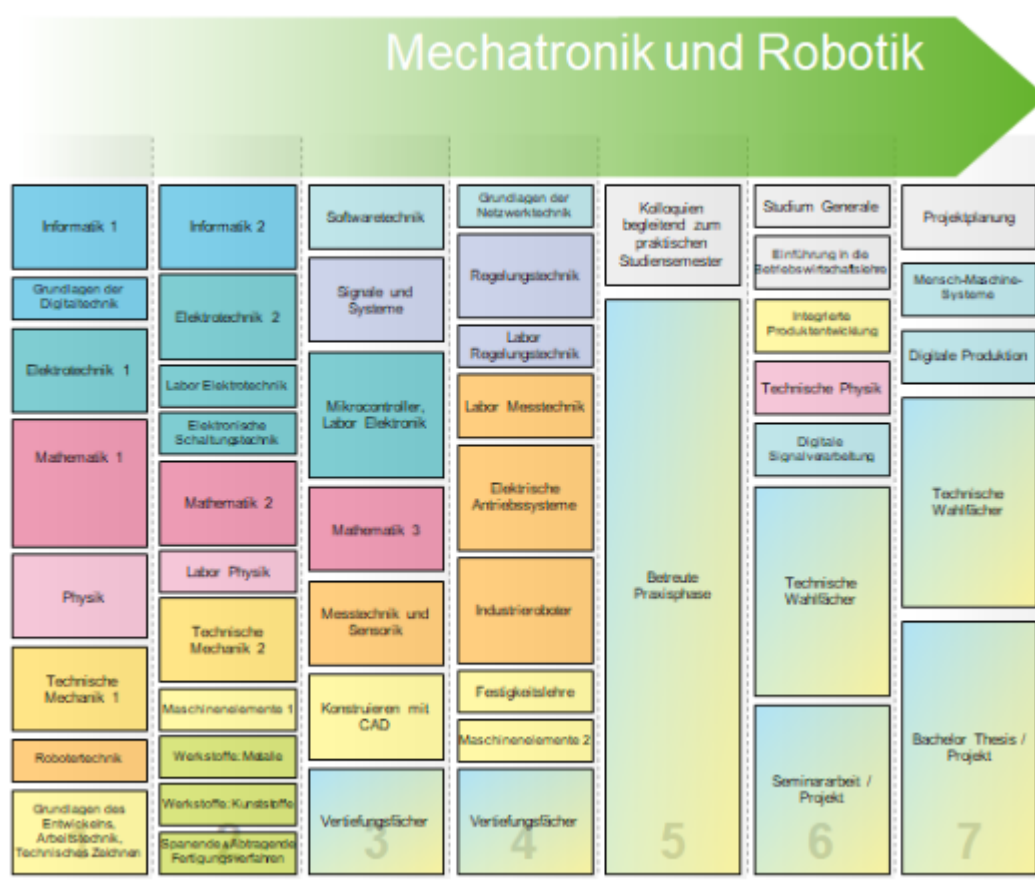
Outlook



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"

V Hacker, et al	Electrical Engineering - Fundamentals: A great, compact textbook covering about the same range as this course. (Use University VPN to get the textbook)
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- allowed aids in the exam:
 - scientific, non-programmable calculator
 - Drawing aids, e.g., set square ("Geo-Dreieck"), ruler
 - 4 double-sided sheets DIN-A4 handwritten formulary (or 8 one-sided sheets)
- **No pure printouts, no solutions from tasks** (can lead to failing the exam)
- Note: A legible and comprehensible calculation process must be available for each result.

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