

Block plan

Student Group

First Name	Surname	Matrikel Nr.

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Block plan

Introduction in Electrical Engineering 2

Chapter 1 — Switching operations in DC networks

(approx. 3 blocks,
based on previous
lectures on [DC
transients](#))

- [Block 01](#) —
Charging/discharging an RC element
- [Block 02](#) —
Switching coils
- [Block 03](#) —
Magnetically coupled coils

Chapter 2 — AC Networks (approx. 5 blocks, based on previous lectures on [Intro to AC](#) and [AC circuits](#))

- [Block 04](#) —
Sinusoidal quantities and L, C in AC
- [Block 05](#) —
Complex calculation
- [Block 06](#) —
Complex Power
- [Block 07](#) — R, L, C with alternating current
- [Block 08](#) —
Oscillating circuits

Chapter 3 — Semiconductor Components (approx. 4 blocks, based on previous lectures on [Diodes](#) and [Transistors](#))

- [Block 09](#) —
Semiconductor Fundamentals and Diodes
- [Block 10](#) —
Application of Diodes
- [Block 11](#) —
Transistors
- [Block 12](#) —
Application of Transistors

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