

# Timetable

## Student Group

First Name	Surname	Matrikel Nr.

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# Timetable

Semester week	Chapter	Topics	Exercises
1	1	Overview over all chapters 1.1 Electric Field and Field Lines 1.2 Electric charge and Coulomb force (reloaded)	
2	1	1.3 Work and Potential 1.4 Conductors in the Electrostatic Field 1.5 The Electric Displacement Field and Gauss's law of electrostatics 1.6 Non-Conductors in electrostatic Field	Task 1.4.5, 1.4.3, 1.4.1 "capacitor lab" in wikipage <a href="#">Falstad Capacitor Simu</a>
3	1 + 2	1.7 Capacitors 1.8 Circuits with Capacitors 1.9 Configurations of multiple Dielectrics 2.1 Current Strength and Flux Field	
4	2+3	2.2 Gauss's Law for Current Density 3.1 Magnetic Phenomena 3.2 Magnetic Field Strength (until Magnetic Voltage)	
5	3	3.3 Magnetic Flux Density and Lorentz Law	
6	3 + 4	3.4 Matter in the Magnetic Field 4.1 Recap of magnetic Field 4.2 Lenz Law	
7	4 + 5	4.3 Motional Induction 4.4 Self-Induction 4.5 Inductance 5.1 Linear magnetic Circuits	
8	5	5.2 (not included) 5.3 Mutual Induction and Coupling 5.4 Magnetic Energy	
9	5 + 6	6.1 Basic Circuits (with Inductances) 6.2 Charging and Discharging 6.3 Resonance Phenomena	
10	6 + 7	6.4 Applications of Inductors 6.5 Examples 7.1 Power in AC	
11	7	7.1 Power in AC	
12	7	7.2 Polyphase Networks	
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14	-	exam preparation	

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