

COURSE CONTENTS

E-MOBILITY AND GREEN ENERGY

SEM.	MODULE OVERVIEW							ECTS
1	Electrical Engineering 1 & practical course 5	Physics 5	Programming 1 & practical course 5	Digital Technology & practical course 5	Mathematics 1 Analysis 1 5	Mathematics 2 Linear Algebra 5		30
2	Electrical Engineering 2 & practical course 5	10	Metrology 1 & practical course 5	Maschine Design 5	Material Science 5	Mathematics 3 Analysis 2 5		30
3	Electrical Engineering 3 & practical course 5	Elektronics 5	Automotive Engineering 5	Desgin and Construction & practical course 5	Circuit Design 1 & practical course 5	Robotics 5		30
4	Power Electronics 5	Digital Signal- processing 5	Electric Drives 10		Circuit Design 2 5	Professional English 5		30
5	Internship 30							30
6	Energy Storage 5	Automotive Electronics 5	Trafic and Telematics 5	Scientific Project 5	Microcontroller & practical course 5	Embedded Systems 5		30
7	Bachelor-Thesis 12		Renewable Energies 7	Control Engineering & practical course 6	Elective Module 5			30

■ Lecture subjects
 ■ Projects and practical courses
 ■ Thesis and internship