

COURSE CONTENTS

ELECTRICAL ENGINEERING & INFORMATION TECHNOLOGY

| 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 10 | | Metrology 1 & practical course 5 | Programming 2 & practical course 5 | Processor Technology & practical course 5 | Mathematics 3 Analysis 2 5 | 30 | |
| 3 | Electrical Engineering 3 & practical course 5 | Metrology 2 & practical course 5 | Robotics & practical course 5 | Digital Electronics Labs 5 | Electronics 5 | Circuit Design 1 & practical course 5 | 30 | |
| 4 | Power Electronics 5 | Communication Technology 5 | Profil 10 | | Professional English 5 | Circuit Design 2 & practical course 5 | 30 | |
| 5 | Internship | | | | | | 30 | 30 |
| 6 | High Frequency Engineering & practical course 5 | Elective Module 5 | Communications Networks 5 | Digital Signalprocessing & practical course 5 | Microcontroller & practical course 5 | Seminar 5 | 30 | |
| 7 | Bachelor-Thesis 12 | | Automation & practical course 7 | Control Engineering & practical course 6 | Elective Module 5 | | 30 | |