FACULTY OF ELECTRICAL AND ELECTRONICS ENGINEERING

- COURSES of the DEPARTMENT OF AUTOMATION
- COURSES of the DEPARTMENT OF ELECTRONICS ENGINEERING
- COURSES of the DEPARTMENT OF ELECTRIC POWER SYSTEMS
- COURSES of the PROJECTS and PRACTICE

DEPARTMENT OF AUTOMATION

Course code	Course title	ECTS Credits	Semester
Bachelor's level courses			
T125B003	Automatic Control of Electromechanical Systems	6	autumn
T125B117	Computational Intelligence Methods	6	autumn
T125B123	Automation Devices and Systems	9	autumn
T125B149	Robot End Effectors 1	6	autumn
T125B152	Mobile Robots	9	autumn
T125B361	Automatic Control Theory	6	autumn
Master's level courses			
T125M003	Systems Modelling and Identification	6	autumn
T125M123	Programmable Logical Controllers	6	autumn
T125M125	Robotics	6	autumn
T125M165	Digital Control Systems	6	autumn

DEPARTMENT OF ELECTRONICS ENGINEERING

Course code	Course title	ECTS Credits	Semester
Bachelor's level courses			
T110B401	Basics of Measurements and Metrology	6	autumn
T121B002	Signal Transmission and Reception	6	autumn
T121B201	Signals and Systems 1	6	autumn
T170B121	Programming of Electronic Systems	6	autumn
T170B129	Basics of Biomedical Engineering	6	autumn
T170B151	Fundamentals of Digital and Microprocessor Systems	6	autumn
T170B402	Sensors	6	autumn
T170B202	Electronics	6	autumn
Master's level courses			
B140M008	Methodology of Biomedical Engineering	6	autumn
B140M011	Biophysics	6	autumn
T110M007	Inovative Measuring Systems	6	autumn
T121M100	Electromagnetic Compatibility	6	autumn
T121M501	Digital Signal Processing	6	autumn
T170M026	Experiment Methodology and Planning	6	autumn

DEPARTMENT OF ELECTRIC POWER SYSTEMS

Course code	Course title	ECTS Credits	Semester
Bachelor's level courses			
T140B011	Power Transmission	6	autumn
T140B125	Smart Electric Power Systems	6	autumn
T140B128	Electric Power Economics and Market	6	autumn
T190B117	Smart Electrical Systems of Buildings	3	autumn
T140B001	Power System Stability	6	autumn
T140B457	High Voltage Engineering	6	autumn
T190B015	Analysis of Electric Circuits 1	6	autumn
T500B002	Human Safety	3	autumn
Master's level courses			
B140M164	Electronic Medical Instrumentation	6	autumn
P176M001	Artificial Intelligence in Smart Grids	6	autumn
T110M112	Advanced Sensors and Condition Monitoring	6	autumn
T140M100	Electrical Equipment Testing and Fault Diagnostics Methods	~~6~~	autumn
T140M116	Electric Power Systems	~~6~~	autumn
T140M163	Reliability and Quality of Power Systems	~~6~~	autumn
T190M001	Energy Conversion Technologies of Renewable Energy	~~6~~	autumn
T190M100	Engineering Electrodynamics	6	autumn
T190M108	Power System Dynamics and Stability	6	autumn

PROJECT and PRACTICE*

Course code	Course title	ECTS Credits	Semester
Bachelor's level courses			
PR00B143	Additional Practice	12	autumn/spring
PR00B203	Additional Practice	18	autumn/spring
PR00B144	Additional Practice	24	autumn/spring
PR00B140	Project	12	autumn/spring
PR00B141	Project	18	autumn/spring
PR00B113	Project	24	autumn/spring
Master's level courses			
PR00M100	Additional Practice	12	autumn/spring
PR00M116	Additional Practice	18	autumn/spring
PR00M114	Project	18	autumn/spring
PR00M115	Project	24	autumn/spring

*it is necessary to coordinate with the Faculty of Electrical and Electronics Engineering before choosing a practice or project module, subject and supervisor.