

## 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 PROJECTS and PRACTICE

### DEPARTMENT OF AUTOMATION

Course code	Course title	ECTS Credits	Semester
<b>Bachelor's level courses</b>			
<a href="#">T125B003</a>	Automatic Control of Electromechanical Systems	6	autumn
<a href="#">T125B001</a>	Automatic Control Fundamentals	6	spring
<a href="#">T125B477</a>	Electromechanical Energy Conversion	3	spring
<a href="#">T190B302</a>	Electric Drives	6	spring
<a href="#">PR00B153</a>	Professional Practice	15	spring
<b>Master's level courses</b>			
<a href="#">T125M003</a>	Systems Modelling and Identification	6	autumn
<a href="#">T125M165</a>	Digital Control Systems	6	autumn
<a href="#">T125M123</a>	Programmable Logical Controllers	6	autumn
<a href="#">T125M125</a>	Robotics	6	autumn
<a href="#">T125M008</a>	Industrial Communication Networks	6	spring
<a href="#">T125M262</a>	Computer-aided Control of Technological Equipment	6	spring
<a href="#">T000M220</a>	Research Project 2	12	autumn

### DEPARTMENT OF ELECTRONICS ENGINEERING

Course code	Course title	ECTS Credits	Semester
<b>Bachelor's level courses</b>			
<a href="#">T190B263</a>	Circuit Theory 2	6	autumn
<a href="#">T121B002</a>	Signal Transmission and Reception	6	autumn
<a href="#">T170B155</a>	Sensor Network	6	autumn
<a href="#">T170B202</a>	Electronics	6	autumn
<a href="#">T170B129</a>	Basics of Biomedical Engineering	6	autumn
<a href="#">T110B401</a>	Basics of Measurements and Metrology	6	autumn
<a href="#">T170B301</a>	Digital Devices	6	spring
<a href="#">T121B201</a>	Signals and Systems 1	6	spring
<a href="#">T180B107</a>	Optical Communication Networks	6	spring
<a href="#">T121B106</a>	Discrete Time Signal Processing	6	spring
<a href="#">T110B002</a>	Graphical Programming	6	spring
<a href="#">T170B153</a>	Electronics and Microprocessors	3	spring
<a href="#">T170B204</a>	Fundamentals of Electronics	6	spring
<a href="#">T190B014</a>	Circuit Theory 1	6	spring
<a href="#">T170B303</a>	Analogue Devices	6	spring

<a href="#">T170B159</a>	Applied Electrodynamics	6	spring
<a href="#">PR00B162</a>	Practice	15	spring
<b>Master's level courses</b>			
<a href="#">T180M111</a>	Smart Mobile Communication Networks and Applications	6	autumn
<a href="#">T121M501</a>	Digital Signal Processing	6	autumn
<a href="#">T170M026</a>	Experiment Methodology and Planning	6	autumn
<a href="#">T110M007</a>	Measurement of Electrical Quantities	6	autumn
<a href="#">T110M107</a>	Embedded Systems Design	6	spring
<a href="#">T110M111</a>	Experimental Techniques and Non-destructive Testing	6	spring
<a href="#">T111M100</a>	Biomedical Image Processing and Analysis	6	spring
<a href="#">T121M161</a>	Digital Signal Processing in Embedded Wireless	6	spring
<a href="#">T170M513</a>	Reliability and Failure Processes of Electronic Devices	6	spring
<a href="#">T180M123</a>	Management and Security of Unmanned Aircraft Systems	6	spring

## DEPARTMENT OF ELECTRIC POWER SYSTEMS

Course code	Course title	ECTS Credits	Semester
<b>Bachelor's level courses</b>			
<a href="#">T190B373</a>	Applied Electrical Engineering	3	autumn
<a href="#">T500B002</a>	Human Safety	3	autumn/spring
<a href="#">T190B394</a>	Theoretical Fundamentals of Electric Engineering	6	autumn
<a href="#">T190B270</a>	Electrical and Electronic Circuits	6	spring
<a href="#">T190B202</a>	Electromechanics	6	spring
<a href="#">PR00B169</a>	Professional Practice	15	spring
<b>Master's level courses</b>			
<a href="#">T190M100</a>	Engineering Electrodynamics	6	autumn
<a href="#">T190M010</a>	Numerical Methods in Electromagnetic Field Theory	6	autumn
<a href="#">T190M001</a>	Energy Conversion Technologies of Renewable Energy Sources	6	spring
<a href="#">T140M165</a>	Power System Planning	6	spring
<a href="#">T111M165</a>	Image Analysis and Recognition	6	spring
<a href="#">T140M163</a>	Reliability and Quality of Power Systems	6	spring
<a href="#">T140M164</a>	Experimental Investigation of Electric Power Systems	6	spring
<a href="#">T500M109</a>	Human-Computer Interaction	6	spring
<a href="#">T000M040</a>	Research Project 2	12	autumn

## PROJECT and PRACTICE

Course code	Course title	ECTS Credits	Semester
<b>Bachelor's level courses</b>			
<a href="#">PR00B143</a>	Additional Practice	12	autumn/spring
<a href="#">PR00B203</a>	Additional Practice	18	autumn/spring
<a href="#">PR00B144</a>	Additional Practice	24	autumn/spring
<a href="#">PR00B140</a>	Project	12	autumn/spring
<a href="#">PR00B141</a>	Project	18	autumn/spring
<a href="#">PR00B113</a>	Project	24	autumn/spring
<b>Master's level courses</b>			
<a href="#">PR00M100</a>	Additional Practice	12	autumn/spring
<a href="#">PR00M116</a>	Additional Practice	18	autumn/spring
<a href="#">PR00M114</a>	Project	18	autumn/spring
<a href="#">PR00M115</a>	Project	24	autumn/spring