

Faculty of Electronics, Communication and Computer Science

ELECTRONIC ENGINEERING AND INTELLIGENT SYSTEMS, Master degree

<i>Subject</i>	<i>Semester</i>	<i>Number of ECTS credits</i>
Complements of Mathematics	1 st Sem	7
Paradigms of Artificial Intelligence	1 st Sem	8
Advanced mechanisms processors	1 st Sem	8
Research and development Project Management	1 st Sem	7
Software Technologies in Artificial Intelligence	2 nd Sem	7
Electronics Circuits for Intelligent Systems	2 nd Sem	8
<i>DSP Design for BIO-signals</i>	2 nd Sem	8
<i>Intelligent Sensor</i>	2 nd Sem	7
<i>Real Time Application Design</i>	3 rd Sem	8
<i>Reconfigurable Systems and Evolutionary Hardware</i>	3 rd Sem	8
<i>Intelligent Robotics</i>	3 rd Sem	8
<i>Research Practice for Dissertation Preparing(I)</i>	3 rd Sem	6
<i>Research Practice for Dissertation Preparing(II)</i>	3 rd Sem	-

NETWORKS AND SOFTWARE FOR TELECOMMUNICATIONS, Master Degree

<i>Subject</i>	<i>Semester</i>	<i>Number of ECTS credits</i>
Mathematical Analysis	1 st Sem	5
Linear Algebra, Analytical and Differential Geometry	1 st Sem	4
Computer Assisted Graphics	1 st Sem	4
Physics	1 st Sem	5
Applied Informatics	1 st Sem	4
Materials for Electronics	1 st Sem	5
<i>English language I</i>	1 st Sem	3
<i>Advanced Mathematics for Engineers</i>	2 nd Sem	4
<i>Numerical methods</i>	2 nd Sem	3
<i>Computer Programming and programming languages</i>	2 nd Sem	4
<i>Basics of Electrotechnics</i>	2 nd Sem	4
<i>Passive Components and Circuits</i>	2 nd Sem	4
<i>Statistics and experimental data</i>	2 nd Sem	3
<i>Electrochemical</i>	2 nd Sem	2
<i>Practics I</i>	2 nd Sem	3
<i>English language II</i>	2 nd Sem	3
<i>Theory of Electromagnetic Field</i>	1 st Sem	5
<i>Object Oriented Programming</i>	1 st Sem	3
<i>Electronic Devices</i>	1 st Sem	5
<i>Signals and Systems</i>	1 st Sem	4
<i>Information transmission theory</i>	1 st Sem	4
<i>CAD techniques making electronic modules</i>	1 st Sem	3
<i>Programming in Labview</i>	1 st Sem	3
<i>Computer-aided graphic processing</i>	2 nd Sem	3
<i>Measurements in Electronics and Telecommunications</i>	2 nd Sem	4
<i>Fundamental Electronic Circuits</i>	2 nd Sem	5
<i>Digital Integrated Circuits</i>	2 nd Sem	5
<i>Desion and Estimation on Information Processing</i>	2 nd Sem	3

<i>SPICE models</i>	2 nd Sem	3
<i>Analysis and Synthesis of Circuits</i>	2 nd Sem	4
<i>Practics II</i>	2 nd Sem	3
<i>Operating systems</i>	2 nd Sem	3
<i>Analog Integrated Circuits</i>	1 st Sem	5
<i>Architecture of Microprocessors</i>	1 st Sem	6
<i>Electronic measurement systems</i>	1 st Sem	4
<i>Programming in JAVA</i>	1 st Sem	3
<i>Power Electronics</i>	1 st Sem	4
<i>Communications Networks and Services</i>	1 st Sem	4
<i>Communications Analogue and Digital</i>	1 st Sem	4
<i>Digital Signal Processing</i>	2 nd Sem	3
<i>Microprocessors to microprocessors and microcontrollers</i>	2 nd Sem	5
<i>Basics of Data Acquisition</i>	2 nd Sem	5
<i>Television</i>	2 nd Sem	4
<i>Communication Systems</i>	2 nd Sem	4
<i>Microwaves</i>	2 nd Sem	3
<i>Practics III</i>	2 nd Sem	3
<i>Company management and organization</i>	2 nd Sem	3
<i>Date communications</i>	1 st Sem	5
<i>Traffic Engineering</i>	1 st Sem	4
<i>Software Engineering for Telecommunications</i>	1 st Sem	5
<i>Microwave Circuits</i>	1 st Sem	3
<i>Radio Communications Equipment</i>	1 st Sem	4
<i>Design activity</i>	1 st Sem	3
<i>Quality Engineering for Electronics</i>	1 st Sem	3
<i>Mobile Radiocommunications</i>	1 st Sem	3
<i>Optic Communications</i>	2 nd Sem	4
<i>Switching techniques and systems</i>	2 nd Sem	4
<i>Power supplies for communications equipment</i>	2 nd Sem	4
<i>Practice for drafting diploma</i>	2 nd Sem	6
<i>Constructions and Technology of Electronic Apparatus</i>	2 nd Sem	4
<i>WEB programming</i>	2 nd Sem	4
<i>Human-machine communication systems</i>	2 nd Sem	4
<i>English Language III, IV</i>	1 st Sem, 2 nd Sem	1/1
<i>Phisical Education I,II</i>	1 st Sem, 2 nd Sem	2/2
<i>Phisical Education III, IV</i>	1 st Sem, 2 nd Sem	2/2

SYSTEMS OF ENERGY CONVERTION, Master Degree

Subject	Semester	Number of ECTS credits
Complements of Mathematics	1 st Sem	5
Special Aspects of Electrotechnics	1 st Sem	7
Systems for control renewable	1 st Sem	7
CAD in Electrical Engineering	1 st Sem	5
Research and development Project Management	1 st Sem	6
Electromechanical Converters and Wind Power Plants	2 nd Sem	7
<i>Photovoltaic Converters</i>	2 nd Sem	8
<i>Quality of Energy</i>	2 nd Sem	7
<i>Control and drive systems for industrial process control</i>	2 nd Sem	8
<i>Hybrid Electric Power Systems</i>	3 rd Sem	7
<i>Energetic Optimization of Electromechanical Systems</i>	3 rd Sem	8
<i>Industrial Informatics</i>	3 rd Sem	8
<i>Dissertation Research Design Development Activity</i>	3 rd Sem	7

ELECTRONICS SYSTEMS FOR INDUSTRIAL PROCESS CONTROL, Master degree

<i>Subject</i>	<i>Semester</i>	<i>Number of ECTS credits</i>
Modeling and simulation of processes and systems	1 st Sem	7
Microsystems with MPU and MCU for processes control	1 st Sem	9
Industrial informatics	1 st Sem	9
R & D Project management	1 st Sem	5
Sensors and actuators in industrial processes	2 nd Sem	5
Acquisition, digital processing and transmission of images	2 nd Sem	6
<i>DSP Hardware systems in control of processes</i>	2 nd Sem	6
<i>Industrial communication systems</i>	2 nd Sem	7
<i>Control and action structures for command of processes</i>	2 nd Sem	6
<i>Real-time control systems</i>	3 rd Sem	8
<i>Artificial intelligence systems for control of processes</i>	3 rd Sem	7
<i>Distributed control systems</i>	3 rd Sem	7
<i>R&D Activity for preparing of dissertation</i>	3 rd Sem	8