

Year	Sem	Subject name	Weekly number of hours				Practice	ECTS
			Lecture	Tutorial	Labwork	Project		
First Year Compulsory subjects								
1	1	Mathematical Analysis	3	1				5
1	1	Linear Algebra, Analytic and Differential Geometry	3	1				5
1	1	Physics 1	3		1			5
1	1	Computer Programming and Programming Languages 1	2		2			4
1	1	Fundamentals of Electrical Engineering 1	3	2				5
1	1	Chemistry	2		1			3
1	1	Physical Education and Sport 1		1				1
1	2	Special Mathematics	3	1				5
1	2	Physics 2	3		1			4
1	2	Computer Programming and Programming Languages 2	2		1			4
1	2	Fundamentals of Electrical Engineering 2	2	1				4
1	2	Measurements in Electronics and Telecommunications	2		2			4
1	2	Electronic Materials	2		2			4
1	2	Applied Informatics - Project				1		2
1	2	Physical Education and Sport 2		1				1
Optional Subject - O1								
1	1	Foreign Language 1 - English			2			2
1	1	Foreign Language 1 - French			2			2
1	1	Foreign Language 1 - German			2			2
Optional Subject - O2								
1	2	Philosophy	2					2
1	2	Sociology	2					2
1	2	Psychology	2					2
1	2	Communication	2					2
1	2	European Culture and Civilization	2					2
1	2	European Political and Administrative Institutions	2					2
1	2	European Integration	2					2
Facultative subjects Year 1								
1	1	Educational Psychology	2	2				5
1	1	Volunteering 1				4		3
1	2	Internet Services	1		1			2

1	2	Foreign Language 2		2				2
1	2	Complements of mathematics	2					2
1	2	Pedagogy I	2	2				5
1	2	Volunteering 2					4	3
Second Year Compulsory subjects								
2	1	Signals and Systems 1	2	2	1			6
2	1	Electronic Devices	2	2	1			6
2	1	Microprocessor Architecture	2		2			4
2	1	Passive Components and Circuits	2		2			4
2	1	Algorithms and Data Structures	2		2			4
2	1	Physical Education and Sport 3		1				1
2	2	Signals and Systems 2	2	1	1			5
2	2	Basic Electronic Circuits	3	2	1			6
2	2	Digital Integrated Circuits	2	1	2			5
2	2	Microprocessor Architecture 2. Microcontrollers	2		2			4
2	2	Probability Theory and Mathematical Statistics	2	1				3
2	2	Databases	2		1			3
2	2	Physical Education and Sport 4		1				1
Optional Subject O1								
2	1	Computer Aided Graphics - CAD Techniques for Electronics	1		1			2
2	1	Computer Aided Graphics - 3D Modelling and Design	1		1			2
Optional Subject O2								
2	1	Computer Programming and Programming Languages 3 - Python Project				1		1
2	1	Computer Programming and Programming Languages 3 - Matlab Project				1		1
2	1	Computer Aided Graphics - CAD Project for Electronics				1		1
Optional Subject O3								
2	1	Macroeconomy	2					2
2	1	Microeconomy	2					2
2	1	Elements of Law and Business Legislation	2					2
Optional Subject O4								
2	2	SPICE Models	1		1			3
2	2	CAD Techniques for Electronic Modules Design	1		1			3
2	2	Object Oriented Programming	1		1			3
Facultative subjects								
2	1	Foreign Language 3		2				2
2	1	Pedagogy II	2	2				5

2	1	Volunteering 3					4	3
2	2	Foreign Language 4		2				2
2	2	Didactics of the specialization	2	2				5
2	2	Volunteering 4					4	3
Third Year Compulsory subjects								
3	1	Signals and Systems 3	2	1	1			5
3	1	Information Transmission Theory	2	1	1			5
3	1	Analogic Integrated Circuits	3	1	1			5
3	1	Electronic Measuring Instruments	2	1	2			5
3	1	Microwaves	3	1	1			5
3	1	Basic Electronic Circuits 2 - Project				1		2
3	2	Decision and Estimation in Information Processing	3	1	1			4
3	2	Digital Signal Processing	2	1	2			4
3	2	Television	2		1			2
3	2	Fundamentals of Data Acquisition Systems	2		1			2
3	2	Artificial Intelligence	2		1			3
3	2	Industrial Electronics and Informatics	2		1			2
3	2	Programming Technologies for Internet	2		1			2
3	2	Basic Electronic Circuits 3 - Project				1		1
3	2	Practical work					30	8
Optional Subjects O1								
3	1	Automatic Control in Electronics and Telecommunications	2		1			3
3	1	Electromagnetic Compatibility	2		1			3
3	1	Operating Systems	2		1			3
3	1	Optoelectronics	2		1			3
3	1	Digital Integrated Circuits	2		1			3
3	1	Databases - Interface Programming	2		1			3
Optional Subjects O2								
3	2	Practical Applications of Microcontrollers - Project				1		2
3	2	Programmable Automata - Project				1		2
Facultative subjects								
3	1	Innovative Software Applications and Services Development	1		1	1		3
3	1	Verification in Circuit Design	1		2			3
3	1	Physical Education and Sport 5		2				2
3	1	PC assisted work	1	1				2
3	1	Pedagogical practice in pre-university education (1)					3	3
3	1	Volunteering 5					4	3

3	2	Applied Linux and Python	1		1	1		3
3	2	Digital Commerce Applications Development	1		2			3
3	2	Physical Education and Sport 6		2				2
3	2	Students classroom management	1	1				3
3	2	Pedagogical practice in pre-university education (2)					3	2
3	2	Volunteering 6					4	3
Fourth Year Compulsory subjects								
4	1	Computer Architectures	2		2			5
4	1	Neural Networks and Fuzzy Systems	2		1			4
4	1	Medical Imaging	2		2			4
4	1	Medical Electronics and Informatics	2		2			4
4	1	Power Electronic Processors	2		1			4
4	1	3D Graphics	2		2			4
4	2	Robotics	2		1			3
4	2	Automatic Testing of Equipments and Processes	2		1			4
4	2	Quality and Reliability	1		1			2
4	2	Computer Aided Analysis of Power Electronic Circuits	2		2			4
4	2	Hybrid Mobile Communications Systems	2		1			3
Diploma Project								
4	2	Practical Activity for Diploma Project				4		4
4	2	Diploma Project Preparation Activities					30	4
Optional Subjects O1								
4	1	Programmable Electronic Systems	2		1			3
4	1	Software Engineering	2		1			3
Optional Subjects O2								
4	1	Programmable Electronic Systems - Project				1		2
4	1	Automotive Electronics - Project				1		2
4	1	Web Technologies - Project				1		2
Optional Subjects O3								
4	1	Reconfigurable Computing Systems	2		1			4
4	1	Integrated Computational Intelligence	2		1			4
Optional Subjects O4								
4	2	Management and Regulation in Communications and Electronics	1	1				3
4	2	Marketing	1	1				3
Facultative subjects								
4	1	Automotive Electronics	2		1			3
4	2	Peripheral Equipment	2		1			3
4	1	Volunteering 7					4	3

4	2	Volunteering 8						4	3
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