

CURRICULUM

<p>ECTS Subject code T IElec No</p> <ul style="list-style-type: none"> • T – type of course: B - for BEng, M for MEng; p-Ploviv • IElec Industrial Electronics • No – subsequent number of the subject; <p>Lectures (L), tutorials (Tut.), labs (Lab.) weekly; exam (E), continuous assessment (CA); semester projects (SP)/ semester assignment (course work) (SA)</p>

No	SUBJECT	Week Load						Assessment				ETCS code	ETCS credits
		L	Tut	Lab	AT	SS	Total	E	CA	SP	SA		

SEMESTER I

1	Internal power supply networks of industrial objects	15	0	15	30	95	125	1	0	1*	0	MpIElec01	5
2	Power supply of production mechanisms and equipment	15	0	15	30	95	125	1	0	1*	0	MpIElec02	5
3	Microprocessor systems	15	0	15	30	95	125	1	0	1*	0	MpIElec03	5
4	Programing Industrial Controllers	15	0	15	30	95	125	1	0	1*	0	MpIElec04	5
Total		60	0	60	120	380	500	4	0	1	0		20

* One SP should be chosen.

SEMESTER II

5	Optional Subject (List OS - 1)	15	10	0	25	95	120	1	0		0	MpIElec05	5
6	Optional Subject (List OS - 2)	15	0	10	25	95	120	1	0	1*	0	MpIElec06	5
7	Industrial applications of electronic energy converters	15	0	15	30	100	130	1	0	1*	0	MpIElec07	5
8	Industrial robots	15	0	15	30	100	130	1	0	1*	0	MpIElec08	5
Total		60	10	40	110	390	500	4	0	1	0		20

* One SP should be chosen.

SEMESTER III

11	Optional Subject (List OS - 3)	15	0	10	25	100	125	1	0	1*	0	MpIElec09	5
12	Optional Subject (List OS - 4)	15	0	10	25	100	125	1	0	1*	0	MpIElec10	5
13	Optional Subject (List OS - 5)	15	0	10	25	100	125	1	0	1*	0	MpIElec11	5
14	Optional Subject (List OS - 6)	15	0	10	25	100	125	1	0	1*	0	MpIElec12	5
Total		60	0	40	100	400	500	4	0	1	0		20

* One SP should be chosen.

SEMESTER IV

16	Diploma project	Diploma project defence										MpIElec13	15
Total													15

LIST OF OPTIONAL SUBJECTS AND OPTIONAL SUBJECTS IN MODULES

List OS - 1 (ECTS =5)		
1	Industrial legislation	MpIElec05.1
2	Patent Law	MpIElec05.2
3	Labor law	MpIElec05.3
4	Project Management	MpIElec05.4

List OS - 2 (ECTS =5)		
1	Embedded systems	MpIElec06.1
2	Automated production units	MpIElec06.2
3	Industrial lighting	MpIElec06.3

List OS - 3 (ECTS =5)		
1	Programming networked embedded systems with OS	MpIElec09.1
2	Programming of industrial manipulators	MpIElec09.2

List OS - 4 (ECTS =5)		
1	Measuring systems in the industry	MpIElec10.1
2	Intelligent building installations	MpIElec10.2

List OS - 5 (ECTS =5)		
1	Industrial control networks	MpIElec 11.1
2	Power Consumption Forecasting and Control	MpIElec11.2

List OS - 6 (ECTS =5)		
1	Mathematical methods for digital signal processing	MpIElec12.1
2	Industrial Data Networks and Systems	MpIElec12.2