CURRICULUM

Type of Studies – First cycle, full-time

Direction: **Automatic Control and Robotics –** general academic profile

General subjects

POZNAN UNIVERSITY OF TECHNOLOGY

Faculty of Electrical Engineering

No	Course name/module	Number of exams	Total hours	including				Distribution of courses over semesters																															
								Semester I					Semester II					Semester III					Semester IV					Semester V					Semester VI					Semester VII					Semester VIII					Semester IX				
								Hours and credits per semester																																															
				Lectures	Exercises	Labs	Project	Lec	Ex	Lab	P	ECTS	Lec	Ex	Lab	P	ECTS	Lec	Ex	Lab	P	ECTS	Lec	Ex	Lab	P	ECTS	Lec	Ex	Lab	P	ECTS	Lec	Ex	Lab	P	ECTS	Lec	Ex	Lab	P	ECTS	Lec	Ex	Lab	P	ECTS	Lec	Ex	Lab	P	ECTS
				Lec	Ex	Lab	P																																											
	from the transfer:	6	735	330	270	120	15	210	90	30	15	**30**	60	120	30		**14**	30	60	30		**11**	30		30		**4**																									
C.	**Major Courses**																																																	
15	Theoret. mechanics and mechanics of materials	1	60	30	30								**30**	**30**			**5**																																			
16	Electrical engineering (circuit theory)	1	105	45	30	30							**45**	**30**			**7**			**30**		**2**																															
17	Signals and dynamic systems	1	75	30	15	30							**30**	**15**			**4**			**30**		**2**																															
18	Electronics	1	120	60		60												**30**		**30**		**5**	**30**		**30**		**4**																									
19	Real-time systems	1	60	30		30												**30**				**3**			**30**		**2**																									
20	Automatic control	1	135	60	45	30												**30**	**30**			**4**	**30**	**15**	**30**		**5**																									
21	Electrical machines in control engineering																																																	
	and robotics	1	75	45		30												**45**				**3**			**30**		**2**																									
22	Foundations of electrical drives	1	45	30		15																	**30**				**3**			**15**		**2**																		
23	Microprocessor systems	1	120	60		60																	**30**		**30**		**4**	**30**		**30**		**5**																		
24	Robotics	1	90	45	45																		**15**	**15**			**2**	**30**	**30**			**5**																		
25	Internship																										**4**																								
26	Devices of automation and actuators	1	60	30		30																						**30**		**30**		**5**																		
27	System identification	1	60	30		30																						**30**		**30**		**5**																		
28	Flexible manufacturing systems	1	75	45			30																					**45**			**30**	**5**																		
29	Control theory of the continuous																																																	
	and discrete events processes	1	75	45	30																							**15**				**1**	**30**	**30**			**5**														
30	Electronical and electrical circuits designing		30	15			15																					**15**			**15**	**2**																		
31	Term design		60				60																																								**60**	**6**				
32	Digital controllers and PLC	1	75	45		30																											**45**		**30**		**6**												
33	Diploma work		120			30	90																																								**30**	**90**	**8**				
	S u m :	21	2175	975	465	525	210	210	90	30	15	**30**	165	195	30		**30**	165	90	120		**30**	165	30	180		**30**	195	30	105	45	**30**	75	30	30	60	**17**			30	90	**8**									
	TOTAL :			*Hours per semester:*				345					390					375					375					375					195					120												
				Exams per semester:				4					4					3					3					5					3																		

Note :

– The exam is indicated by the shaded field in the column "**Lec**".

Remarks :

– credits for all courses not ending with an exam – on the basis of current checks of the progress during semester or on the basis of final colloquium.

Internship

after sem.	duration	type of internship
IV	4 weeks	professional, 4 points ECTS

Attachment :

Valid since: **October 1, 2015**

Changes :

Approval : **Faculty Board**

Date : **March 17, 2015**

DEAN