

PLAN STUDIÓW STACJONARNYCH I-EGO STOPNIA NA KIERUNKU MAKROKIERUNEK

Specjalność: Automatyka

Numer	NAZWA PRZEDMIOTU	GODZINY						Sem.1				EC TS	Sem.2				EC TS	Sem.3				EC TS	Sem.4				EC TS	Sem.5				EC TS	Sem.6				EC TS	Sem.7						EC TS
		Σ	W	Ć	L	P	S	W	Ć	L	P		W	Ć	L	P		W	Ć	L	P		W	Ć	L	P		W	Ć	L	P		W	Ć	L	P		W	Ć	L	P	S	D	
1	Physical education	60	0	60	0	0	0	2					2																															
2	Foreign language	120	0	120	0	0	0	2					2			2			2					2																				
3	Algebra and analytic geometry	75	45	30	0	0	0	2	1				5	1	1		E	5																										
4	Calculus and differential equations	120	60	60	0	0	0	2	2				6	2	2		E	5																										
5	Circuit theory	120	60	45	15	0	0	2	2				5	2	1	1		E	6																									
6	Fundamentals of computer programming	60	30	0	30	0	0	2		2			5																															
7	Theory of logic circuits	90	30	30	30	0	0	2	2				5			2		3																										
8	Social sciences 1	30	15	0	0	15	0	1					1				E	2																										
9	Physics	120	60	30	30	0	0							2	1			3	2	1	2		E	6																				
10	Computer programming	90	45	0	45	0	0							1		1		3	2		2			4																				
11	Discrete mathematics	30	15	15	0	0	0							1		1		3																										
12	Optimization and decision making	60	30	0	30	0	0												2		2			5																				
13	Probability and statistics	60	30	0	30	0	0												2		2			5																				
14	Introduction to electronics	120	60	30	30	0	0												3					3	1	2	2		E	6														
15	Introduction to system dynamics	45	30	15	0	0	0												2		1			E	5																			
16	Numerical methods	60	30	0	30	0	0																		2		2			4														
17	Digital circuits	60	30	15	15	0	0																		2		1	1		5														
18	Measurement systems	60	30	0	30	0	0																		2		2		E	6														
19	Theory of computer science	90	30	30	30	0	0																		2	2			5		2		3											
20	Social sciences 2	30	15	0	0	15	0																		1			1	2															
21	Artificial intelligence	60	30	0	30	0	0																			2		2			4													
22	Control fundamentals	105	45	30	30	0	0																			3	2		E	6		2			2									
23	Computer networks	60	30	0	30	0	0																			2		2		E	6													
24	Fundamentals of signal processing	60	30	0	30	0	0																			2		2		5														
25	Microprocessor systems	60	15	0	30	15	0																			1		2	1	4														
26	Social sciences 3	15	15	0	0	0	0																			1				1														
27	Project management	30	15	0	0	15	0																			1			1	1														
28	Computer graphics	60	30	0	30	0	0																								2	2			4									
29	Embedded systems	60	30	0	30	0	0																							2	2			4										
30	Databases	60	30	0	30	0	0																				2	2		E	5													
31	Operating systems	60	30	0	30	0	0																							2	2		E	4										
32	Robotics 4	60	30	0	30	0	0																							2	2			3										
33	Optional course A1	30	15	0	15	0	0																							1	1			2										
34	Optional course A2	30	15	0	15	0	0																							1	1			2										
35	Industrial training	0	0	0	0	0	0																													4								
36	Final project	45	0	0	0	30	15																														2	1	E	15				
37	Optional course A3	30	15	0	15	0	0																									1	1						2					
38	CAD of control systems	60	30	0	30	0	0																								2	2						3						
39	Hierarchical control	60	30	0	30	0	0																								2	2						3						
40	Applied Digital Signal Processing	45	30	0	15	0	0																								2	1						3						
41	Optional course A4	45	15	0	30	0	0																								1	2						2						
42	Optional course A5	45	15	0	30	0	0																								1	2						2						
		2580	1140	510	825	90	15	11	11	2	1	30	9	10	4	0	30	13	4	8	0	30	10	7	7	1	30	12	2	10	2	30	12	0	14	0	30	9	0	10	2	1	30	
		Liczba godzin tygodniowo						25					23					25					25					26					26					23						
		Liczba egzaminów						1					3					2					3					2					2					1						
		Liczba zaliczeń						7					6					5					4					6					7					6						

Przedmiot wybieralny:

Variant teaching techniques: classical vs interactive and problem based

Optional courses

Powyższy plan studiów obowiązuje studentów rozpoczynających naukę w roku akademickim 2017/2018 i w latach następnych.