

Specialization: **Robotics**

No.	Code	Course unit	Year II												Type of examinatino			No. hours per course unit				ECTS		Remarks
			Sem 3 (14 wks)					Sem 4 (14 wks)										Tot	C	Apl.	In. S	1	2	
			C	S	L	P	P	C	S	L	P	P	E	C	V									
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	20	21	22		
		Strength of materials	2		1									N			125	28	14	83	5		DOB-DD	
		Mechanics II	2	1										N			100	28	14	58	4		DOB-DD	
		Basics of automation systems	1			2								N			100		14	86	4		DOB-DD	
		Tolerances and dimensional control	2		2									N			100	28	28	44	4		DOB-DD	
		Computer aided graphics	2		2	1								N			100	28	42	30	4		DOB-DF	
		Electronics and automation	2		2									N			100	28	28	44	4		DOB-DD	
		Driving systems	2	2										N			75	28	28	19	3		DOB-DD	
		Optional 3	1	1										N			50	14	14	22	2			
		Industrial management																					DOP-DC	
		Creativity and inventics																					DOP-DC	
		Modern languages III (English)																					DOP-DC	
		Modern languages III (French)																					DOP-DC	
		Modern languages III (German)																					DOP-DC	
		Etics and academic integrity																					DOC-DC	
		Mechanisms and machine elements I						3		2	2			N			125	42	56	27		5	DOB-DD	
		Fluid mechanics						2		1				N			75	28	14	33		3	DOB-DD	
		Applied electronics for robotics						1		2							50	14	14	22		2	DOB-DS	
		Electrical drives of industrial robots						1		1				N			75	14	14	47		3	DOB-DS	
		Control systems in robotics						2	1					N			75	28	14	33		3	DOB-DD	
		Computer aided design I						1	2					N			75	14	28	33		3	DOB-DD	
		Applied modern languages (English)						1	1					N			50	14	14	22		2	DOB-DC	
		Optional 5						2		2				N			100	28	28	44		4	DOB-DS	
		Hydraulic drives of industrial robots																						
		Pneumatic drives																						
		Practical work II (for the field of mechatronics and robotics)										4 wks x	30			A/R	125		120	5		5	DOB-DD	
																1500	364	484	652	30	30			

Facultative (Voluntary) [run only with minimum 20 students]

		Innovation management	1		2									N			14	28					DFA-DS
		Entrepreneurship						1			2			N			14	28					DFA-DC

TOTAL			14	4	7	3	0	13	4	8	2	30										
			28					27														
No. ex/ No. Col+No. Verif.			4/4					5/2+1														

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