

Przedmiot	Kierunek	Semestr	Przydział godzin w semestrze									ECTS	Forma zaliczenia	
			w.	ćw.	konw.	lab./ ćw. ter.	war- szta- ty	projek- ty	sem.	prak- tyka	zal.		egz.	
Foreign language	IMDA	1		30								2		
Elective course	IMDA	1	30									2		
Elective humanities or social sciences course	IMDA	1		15								1		
Measurement systems in medical engineering	IMDA	1				20						1		
Python programming	IMDA	1	20									1		
						30							2	
Elements of human anatomy	IMDA	1	20									1		x
						30							2	
Reverse engineering and 3D printing in medicine	IMDA	1	15									1		
						30							2	
Artificial intelligence methods in medicine	IMDA	1	15									1		x
						30							2	
Tissue engineering and biomaterials	IMDA	1	15									1		
						30							2	
Elective course I	IMDA	1	10									1		
							10						1	
Practical AI solutions in medical diagnostics	IMDA AI	1	15									2		x
							45						5	
Razem semestr I			140	45	0	170	55	0	0	0	30	0	3	
Foreign language	IMDA	2		15								1		
Elective course	IMDA	2	30									2		
Self-presentation and public speaking	IMDA	2					15					2		
Mechanics of biological fluids	IMDA	2	15									1		
						15							1	
Elements of medical imaging	IMDA	2	15									1		x
						30							2	
Medical instruments and apparatus	IMDA	2					40					2		
Medical device certification	IMDA	2					30					2		
Computer-aided design and simulation in medical engineering	IMDA	2				45						2		
Medical robotics	IMDA	2	15									1		x
						20							1	
Elective course II	IMDA	2	10									1		
							10						1	
Engineering project	IMDA	2				50						3		
Design of decision-making models in medical diagnostics	IMDA AI	2					30					3		
Elements of computer vision in diagnostics	IMDA AI	2	15									2		x
						15							2	
Razem semestr I			100	15	0	175	125	0	0	0	30	0	3	