

No.	SUBJECT	Number of teaching hours	ECTS	Form of receiving a credit	Semester 1							Semester 2					Semester 3					Semester 4					Semester 5					Semester 6								
					Form of instruction				Form of receiving a credit	ECTS	Form of instruction				Form of receiving a credit	ECTS	Form of instruction				Form of receiving a credit	ECTS	Form of instruction				Form of receiving a credit	ECTS	Form of instruction				Form of receiving a credit	ECTS						
					L	T	D	L/S			L	T	D	L/S			L	T	D	L/S			L	T	D	L/S			L	T	D	L/S			L	T	D	L/S		
1	General chemistry with lab	45	4	E c/m						30			15	E c/m	4																									
2	Soft matter physics	60	6	E c/m																						30	30			E c/m	6									
3	Modern Materials: Fabrication and Characterization	75	6	E c/m																	30			45	E c/m	6														
4	Physics of Low-Dimensional Systems	30	3	c/m												30				c/m	3																			
5	Trends in Condensed Matter Physics	30	2	c/m																												30			c/m	2				
6	Fundamentals of Nanotechnology	30	2	c/m												30				c/m	2																			
7	Functional Metamaterials	60	6	E c/m																				30		30	E c/m	6												
8	Mechanics of Materials	60	6	E c/m												30	30			E c/m	6																			
10	Quantum Engineering	60	5	E c/m																												30	30		E c/m	5				
1	Fundamentals of medical statistics	60	4	E c/m						30			30	E c/m	4																									
2	Introduction to biology and medical biology	30	3	E														30			E	3																		
3	Fundamentals of Emergency Medical Services.	30	3	c/m																30	c/m	3																		
4	Biophysics with elements of biochemistry	60	5	c/m c/m														30	30		c/m c/m	5																		
5	Biophysical and Biochemical Laboratory.	30	2	c/m																			30	c/m	2															
6	Digital Signal Processing	60	5	E c/m														30			E c/m	5																		
7	Nuclear physics in nuclear medicine	60	5	E c/m														30	30		E c/m	5																		
8	Medical Equipment, Imaging, and Diagnostics	60	6	E c/m																					30			30	E c/m	6										
9	Practical Methods of Medical Imaging - Cardiological Therapy.	30	3	c/m																												30	c/m	3						
10	Physicochemical basis of biological life	30	3	E																									30			E	3							
11	Radiation Protection	15	1	c/m																											15	c/m	1							
Common subjects		1680	140		450				29	390				27	255				20	210				17	225				24	150				23						
Speciality 1: COMPUTER PHYSICS		465	40		0				0	60				4	120				11	150				12	60				6	75				7						
Speciality 2: MODERN MATERIAL		450	40		0				0	45				4	120				11	135				12	60				6	90				7						
Speciality 3: MEDICAL PHYSICS		465	40		0				0	60				4	120				11	150				12	60				6	75				7						
Practice		60	5																																					
Sum COMPUTER PHYSICS		2205	180		435				30	435				30	330				30	360				30	270				30	195				30						
Sum MODERN MATERIALS		2190	180		435				30	420				30	330				30	345				30	270				30	210				30						
Sum MEDICAL PHYSICS		2205	180		435				30	435				30	330				30	360				30	270				30	195				30						
Sum without Practice																																								
COMPUTER PHYSIC		2145	175																																					
MODERN MATERIALS		2130	175																																					
MEDICAL PHYSIC		2145	175																																					

Plan studiów został zatwierdzony na Wydziałowej Radzie ds. Kształcenia dnia

Blue color: all selective courses, * - common selective courses, *** - common selective courses within speciality

Selective subject in the field of humanities*: Language culture / Philosophy of science (30 hours, 3 ECTS)- credit and mark.

Selective social science subject*: Intellectual property protection, occupational safety, ergonomics / Intellectual property protection (15 hours, 2 ECTS)- credit and mark.

Professional practice after the 4th semester, 3 weeks, credit in semester V

Bachelor thesis- credit without grade.