

No	Course Title	Exam after semester	Total	type of classes			I YEAR								II YEAR							
							1 sem			2 sem			3 sem.		4 sem							
				lect.	tut	lab.	lect	tut	lab	ECTS	lect	tut	lab	ECTS	lect	tut	lab	ECTS	lect	tut	lab	ECTS
1	Analysis and Visualization of Signals		90	30	60				2		4	6										
2	Modern Statistical Methods		60	30	30	2		2	4													
3	Advanced Numerical Methods of Medical Physics	3	60	30	30								2		2	3						
4	Physical Principles of Radiation Detection with Elements of Condensed Phase Physics	1	90	45	45	3	3		6													
5	Nuclear and Elementary Particles Physics for Medical Physics	1	60	30	30	2	2		5													
6	Physical Fundamentals of Medical Imaging	1	45	45		3			4													
7	Application of Electronics in Data Acquisition*)		45	15	30				1		2	3										
8	Laboratory of Medical Applications of Physics*)		60		60						4	8										
9	Physical Laboratory 2*)		75		75		5	6														
10	Specialized Physical Laboratory*)		45		45		3	2														
11	Master Laboratory*)		60		60									2	6			2	6			
12	Principles of Micro-entrepreneurship		15	15									1		2							
13	English Seminar		30	30														2	2			
14	Atomic Law and Related Regulations with Quality Management Systems	2	45	30	15				2	1		4										
15	Technical and Industrial Dosymetry	2	15	15					1			1										
16	Fundamentals of Statistics Applications in Medicine		45		45						3	3										
17	Modern Technics in NMR Investigations	1	30	30		2			3													
OPTIONAL LECTURES *)																						
18	Optional Lecture 1*)	2	60	30	30				2	2		5										
19	Optional Lecture 2*)	3	60	30	30							2	2	5								
20	Optional Lecture 3*)	3	15	15								1		2								
21	Monographic Lecture 1*)	4	45	30	15									2	1			5				
22	Monographic Lecture 2*)	4	45	30	15									2	1			5				
23	Master Seminar*)		60		60								2	2			2	2				
24	Preparation of Diploma Work*) and Master Exam	4													10					10		

credits are awarded based on continuous assessment and final exam
 credits are awarded based on continuous assessment
 *) courses with options

Total hours	1155	315	270	435	12	5	10	30	8	3	13	30	6	4	4	30	4	6	2	30	
Razem liczba egzaminów	12	hours per week				27				24				14				12			
		hours per semester				405				360				210				180			
		exams/assessments per semester				4 3				3 4				3 4				3 3			
						ex ass				ex ass				ex ass				ex ass			

Total ECTS points: 120