

**Doctoral Educational Program “Physics”
CURRICULUM**

№	Components	Course Code	Prerequisite Code	Number of Credits	Number of Hours	Contact hours	Including							Credit distribution within semesters					
							Lecture	Group Work / Practical	Laboratorial	Internship	Midterm Exam	Final Exam	Independent Work	I semester	II semester	III semester	IV semester	V semester	VI semester
Compulsory Courses				40	500	120	60	51	0	0	3	6	380	20	10	10	0	0	0
1	Modern Teaching Methods	D1140101001		5	125	30	15	12			1	2	95	5					
2	Academic Writing for PhD Students	D1140701001		5	125	30	15	12			1	2	95	5					
3	Seminar in the Field of Study	D1140901001		5											5				
4	Seminar in the Sub-field of Study	D1140901002		5												5			
5	Professor’s Assistance I	D1140901003		5											5				
6	Professor’s Assistance II	D1140901004		5												5			
7	Research Tools and Methods	D1140702601		10	250	60	30	27			1	2	190	10					
Major elective courses or university elective courses				20	500						1	2	190	0	10	10	0	0	0
1	Social Psychology for PhD Students	D1140302009		5	125	30	15	12			1	2	95						
2	Science Management	D1140202001		5	125	30	15	12			1	2	95						
3	Information-Communication Technologies in Research/ Teaching and Creation of Electronic Courses	D1140903001		5	125	30	15	12			1	2	95						
4	Diagnostics of Water Media by Laser Spectroscopy	D1140901005		10	250	60	30	27			1	2	190						
5	Radio Physics and Electronics	D1140901006		10	250	60	30	27			1	2	190						
6	Solar and Weather Radio Physics	D1140901007		10	250	60	30	27			1	2	190						

7	Study of Statistical Characteristics of Scattering Electromagnetic Waves at Propagation in Turbulent Non-Isotropic Collisional Plasma Media	D1140901008		10	250	60	30	27			1	2	190						
8	Internship																		
Research Component				120										10	10	10	30	30	30
1	Accomplishment of Dissertation Thesis			120										10	10	10	30	30	30
Total				180	1000	120	60	51	0	0	4	8	570	30	30	30	30	30	30