

## “SCIENTIFIC PREPARATORY LECTURES” COURSES

№	Courses	ECTS Credits	Type of control	Course work	classroom hours per week	Lectures	Practical lessons	Laboratory
<b>1 semester</b>								
1	Hydro-gas Dynamics	7,0	exam		5	3	1	1
2	Heat and Mass Exchange	7,0	exam		5	3	2	
3	Theory of Nuclear Reactors -1. Diffusion and neutron deceleration.	4,0	exam		3	2	1	
4	Theory of Nuclear Reactors -2. Course work	1,0		1				
5	Education disciplines on auxiliary equipment of NPP. Pumping and auxiliary equipment of NPP.	5,0	test		4	3	1	
6	Fundamentals of Security Management in Nuclear Energy.	2,0	test		2			
7	Ukrainian (Russian) professional language professional - 1.	2,0	test		2		2	
8	Foreign language of professional orientation - 1.	2,0	test		2		2	
<b>Total per semester:</b>		<b>30,0</b>	<b>3/3</b>	<b>1</b>	<b>23</b>	<b>11</b>	<b>9</b>	<b>1</b>
<b>2 semester</b>								
1	Heat exchange during phase transformations and radiation.	5,0	exam		4	2	2	
2	Nuclear Power Reactors.	4,0	exam		2,5	2	0,5	
3	Nuclear and Heat Power Plants.	3,0	test		3	2	1	
4	Technology of Coolant.	4,0	test		4	3		1
5	Theory of Nuclear Reactors -3. Critical dimensions of the reactor.	5,5	exam		4	2	2	
6	Training disciplines on kinetics and control of Nuclear Reactors. Non-stationary processes and control of Nuclear Steam Production Facilities (NSPF).	4,5	exam		3,5	2,5		1
7	Ukrainian (Russian) professional language professional - 1.	2,0	test		2		2	
8	Foreign language of professional orientation - 2. Foreign language professional communication. Business language	2,0	test		2		2	
<b>Total per semester:</b>		<b>30,0</b>	<b>3/5</b>		<b>25</b>	<b>13,5</b>	<b>9,5</b>	<b>2</b>
<b>Total:</b>		<b>60,0</b>	<b>6/8</b>	<b>1</b>				