



MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE  
National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

# WORK CURRICULUM

on 2020/2021 academic year

(Enrolment 2020 of citizen of the United States of America)

## APPROVED BY

Vice Rector of Education of  
Igor Sikorsky Kyiv Polytechnic Institute

\_\_\_\_\_ Anatoliy MELNYCHENKO

« \_\_\_\_\_ » \_\_\_\_\_ 20 \_\_\_\_ .

Level	Doctor of Philosophy (PhD)	Form of study	full-time
Speciality	141 - Electric power engineering, electrical engineering and electromechanics	Faculty (Institute)	Faculty of electric power engineering and automatics
Educational and scientific program	Electric power engineering, electrical engineering and electromechanics	Qualification	Doctor of philosophy in electric power engineering, electrical engineering and electromechanics
Faculty (Institute)	Faculty of electric power engineering and automatics	Study duration	4 years

Code	Subjects	Department	ECTS Credits	Number of hours					Types of control distributed on semesters									Classroom hours per weeks										
				Total	Classroom hours			Self-study	Exams	Final Tests	Module (theme) tests	Course projects	Coursework	Calc.&graph works	Home tests	Essays	1st YEAR											
					Lectures	Practical	Laboratory										EB-01φ (0+1)											
																	1st Semester		2nd Semesters									
18 weeks		18 weeks																										
Total	Lectures	Practical	Laboratory	Total	Lectures	Practical	Laboratory	Total	Lectures	Practical	Laboratory	Total	Lectures	Practical	Laboratory													
19	20	21	22	23	24	25	26																					
<b>I. NORMATIVE TRAINING</b>																												
<b>Educational disciplines for mastering general scientific (philosophical) competencies</b>																												
1	Philosophical principles of scientific activity-1. Scientific worldview and ethical culture of the scientist	Department of Philosophy	2	60	13	13		34		1	1							2	1	1								
2	Philosophical principles of scientific activity-2. Philosophical epistemology and epistemology	Department of Philosophy	4	120	18	36		66	2								2						2	1	2			
<b>total number of part 1</b>			<b>6</b>	<b>180</b>	<b>31</b>	<b>49</b>		<b>100</b>	<b>1</b>	<b>1</b>	<b>1</b>					<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>		<b>3</b>	<b>1</b>	<b>2</b>					
<b>Educational disciplines for acquiring language competencies</b>																												

3	Foreign language for scientific activity 1. Foreign language for scientific research	Department of English for Technical Purposes No. 1	3	90		36		54		1						1	3		3								
4	Foreign language for scientific activity 2. Foreign language of scientific communication	Department of English for Technical Purposes No. 1	3	90		36		54	2		2										2		2				
<b>total number of part 2</b>			<b>6</b>	<b>180</b>		<b>72</b>		<b>108</b>	<b>1</b>	<b>1</b>	<b>1</b>					<b>1</b>	<b>3</b>		<b>3</b>		<b>2</b>		<b>2</b>				
<b>Educational disciplines for acquiring universal competencies of a researcher</b>																											
5	Advanced technologies in electric drive and electromechanical systems-1	Department of Theoretical Electrical Engineering	2	60	18	9		33		2	2					2					1,5	1	0,5				
<b>total number of part 3</b>			<b>2</b>	<b>60</b>	<b>18</b>	<b>9</b>		<b>33</b>		<b>1</b>	<b>1</b>					<b>1</b>					<b>1,5</b>	<b>1</b>	<b>0,5</b>				
<b>TOTAL IN NORMATIVE TRAINING</b>			<b>14</b>	<b>420</b>	<b>49</b>	<b>130</b>		<b>241</b>	<b>2</b>	<b>3</b>	<b>3</b>					<b>3</b>	<b>5</b>	<b>1</b>	<b>4</b>		<b>6,5</b>	<b>2</b>	<b>4,5</b>				
<b>TOTAL</b>			<b>14</b>	<b>420</b>	<b>49</b>	<b>130</b>		<b>241</b>	<b>2</b>	<b>3</b>	<b>3</b>					<b>3</b>	<b>5</b>	<b>1</b>	<b>4</b>		<b>7</b>	<b>2</b>	<b>5</b>				
<b>Number of</b>		<b>Examinations</b>																						2			
		<b>Final tests</b>																								1	
		<b>Module (theme) tests</b>																									2
		<b>Course projects</b>																									
		<b>Coursework</b>																									
		<b>Calculation and graphic works</b>																									
		<b>Home tests</b>																									
<b>Essays</b>																										2	

Head of the Scientific and Methodical Board of Speciality \_\_\_\_\_ / Oleksandr Yandulsky /

Dean of the Faculty \_\_\_\_\_ / Oleksandr Yandulsky /