MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

SUMY NATIONAL AGRARIAN UNIVERSITY

"APPROVED"

Rector

Viadyka

PhD deg

Degree Doctor of philosophy
Studying period 4 years
Previous level Master

STUDYING PLAN 2022-2023

nD degree in the program subject area 133 "Industrial machinery engineering" Full-time study

SCHEDULE OF TEACHING PROCESS (May - September admission)

Activities distribution is weeks

Курс	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	ar	ses	us Su	ping ing	ding	ions	sis	
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SCHEDULE OF TEACHING PROCESS (November - April admission)

Activities distribution is weeks

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Abbreviation

C Classes

V Vacations
TT Teaching training

Research Thesis defending Thesis reviewing

Practical training

Title	Semester	Weeks
Teaching training	4	4

Graduation

Title	Semester
PhD thesis defending	8

CURRICULUM

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OK.1	Philosophy of science		2	4	120	40	20	20		80		4	1	T	T-	1		
OK.2	Contemporary computer technologies in science	1		3	90	30	14	16		60	4					-		
OK. 3	Communications in scientific area		2	3	90	30	14	16	1	60		3						
OK. 4	Methodology of conducting scientific researches	2		3	90	30	14	16		60		3						
OK. 5	Triootechnics	1		3	90	30	14	16		60	4					-		
OK. 6	Modeling and planning of a scientific experiment in engineering		1	3	90	30	14	16		60	4					1		
OK.7	Registration of in ellectual property rights		1	3	90	30	14	16		60	4							
OK. 8	Design and delivery of course unit	2		3	90	30	14	16		60		3				-		
OK. 9	Ukrainian language		1,2	4	120	60		60		60	4	3			Committee of the Commit			
OK. 10	Scientific project management	1	allement i describe de glimbrossonico e dell'estato per elle, appopula appearamenta as el generalmente i anno	3	90	30	14	16		60			-					
OK. 11	English in professional area		1,2	4	120	60		60		60	4	3						
OK. 12	Organization of preparation of scientific publications and writing of PhD thesis		2	3	90	30	14	16		60		3						
OK. 13	Practice in Teaching		3	3	90	20		20		70				5				
OK. 14	Innovative technological solutions in the mechanical engineering	3	CONTROL OF THE CONTRO	3	90							3						
Total by	mandatory units			45	1350	450	146	304	0	810	24	25	0	5				
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BK.1	Elective unit 1	3		5	150	48	18	30		102			8					
BK.2	Elective unit 2		3	5	150	48	18	30		102			8					
BK.3	Elective unit 3	·) Salandary bearing the management of the saland	3	5	150	48	18	30		102			8					
Total by	elective units			15	450	144	54	90	0	306	0	0	24	0	-			
Total by	Total by stadying plan				1800	594	200	394	0	1116	24	25	24	5		3		

List of elective units

The effectiveness of the use of sensors and controllers when accompanying experimental research Scientific and methodological foundations of quality assurance of mechanized agricultural technologies Methodology of strengthening effects on working surfaces of machine parts by concentrated energy sources. Scientific substantiation of the use of CAD/CAM/CAE systems in agricultural engineering.

Programme leader

Head of Postgraduate and Doctoral Programmes Department

Quality management methodology in mechanical engineering

Digital platforms in engineering research

Synthesis of rational technological solutions

Progressive technologies of surface engineering