APPROVED

Decision of the Academic Council of KNUTD

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Chairman of the Academic Council

Ivan GRYSHCHENKO

EDUCATIONAL AND SCIENTIFIC PROGRAM

DESIGN

Level of higher education _____**third (educational and scientific)**_____

Degree of higher education_____**Doctor of philosophy**_____

Field of knowledge_____ **02 Culture, Arts and Humanities**_____

Specialty _____**022 Design**_____

Qualification_____**Doctor of Philosophy in Design**_____

Kyiv 2025

Educational and professional program profile Design

1 – General information	
Full name of the higher education institution and structural unit	Kyiv National University of Technologies and Design. Faculty of Design.
Degree of higher education and qualification in the original language	The level of higher education is the third (educational and scientific). Degree of higher education - Doctor of Philosophy. Field of knowledge - B Culture, Arts and Humanities. Specialty - 022 Design.
Type of diploma and scope of the educational program	Doctor of Philosophy degree, single, 48 ECTS credits.
Availability of accreditation	Certificate of accreditation of the educational and scientific program dated 04.10.2021, № 2408.
Cycle/level	The National Qualifications Framework of Ukraine is the eighth level.
Background	Master's degree, specialist's degree.
Language(s) of education	Ukrainian, English
Duration of the educational program	Until 01.07.2027
Internet address of the permanent placement of the description of the educational program	http://knutd.edu.ua/ekts
2 – The purpose of the educational and scientific program	
The purpose of the educational and scientific program is to form and develop the general and professional competencies of highly qualified personnel ready to carry out research, design and analytical activities, scientifically based consulting in the field of design and engineering, as well as teaching. The program is designed in accordance with the mission of the university, aimed at acquiring competencies sufficient to generate new ideas and develop research and design concepts in design, solving complex problems of research and design activities aimed at making decisions in non-standard situations, mastering the methodology of scientific and pedagogical activities and improving the system of design project culture, as well as conducting scientific research in the field of art history, the results of which have scientific novelty, theoretical and practical significance.	
3 – Characteristics of the educational program	
Subject area	The program is designed as an optimal combination of academic and professional requirements. It is focused on the formation of applicants' competencies in acquiring in-depth knowledge of the specialty, possession of general scientific (philosophical) competencies, integral competencies, as well as general and professional competencies in the field of design, provided by the educational component of the program; acquisition of universal research skills and presentation of their own research results in oral and written form, in particular in a foreign language, provided by the scientific component of the program. Compulsory educational components - 75%, of which: compulsory disciplines of professional training - 44%, general training - 34%, knowledge of a foreign language - 22%. Disciplines of the applicant's free choice that provide professional training - 25% are selected from the university catalog in

	accordance with the approved procedure at the University.
Orientation of the educational program	Doctor of Philosophy degree program.
The main focus of the program	The educational and scientific program has a scientific-theoretical, research and applied orientation; it is formed as an optimal combination of academic and professional requirements. The emphasis is on the scientific art history organization of the analytical and research project process, the use of heuristic methods aimed at overcoming creative problems, professional self-improvement, development of creative thinking, and the search for non-standard project solutions. Among the main objectives of the program is the formation and development of professional competencies in the field of design, aimed at acquiring the ability to master the methods of content and social content of the project, methods of theoretical and project work, the essence of heuristic methods of creativity.
Features of the program	The program is based on innovative project-based methods of scientific and creative research in the field of design, taking into account the current state of design activity. The priority is the formation and development of project and professional competencies in the field of web, motion and photo-video design; fashion design, as well as accessories and jewelry; interior and furniture design; graphic, landscape and industrial design, aimed at introducing methods and techniques of theoretical and research and project-practical design activities. The program provides preparation for the performance of functional duties of a teacher of a higher education institution, a researcher in the field of art history, as well as the formation of the ability to continuous self-development and self-improvement throughout life. The program is implemented in an active research environment.
4 – Suitability of graduates for employment and further education	
Suitability for employment	The graduate is suitable for employment in organizations, institutions, enterprises and institutions operating in the field of design and design education. Graduates are able to hold positions of research and teaching staff in scientific institutions and higher education institutions, engineering positions in research and design departments of enterprises, institutions and organizations.
Further training	Lifelong learning to improve professional, scientific and other activities. Opportunity to continue education at the scientific level of higher education (Doctor of Science).
5 – Teaching and assessment	
Teaching and learning	Student-centered learning, self-study, and problem-based learning are used. The system of methods of problem-based learning is based on the principles of purposefulness, binarity (direct interaction between a research and teaching staff member and a higher education student); it consists of demonstration, dialogic, heuristic, and research methods. When teaching the thematic material, the general scientific methodology that is most widely used in the field of art history is applied: historical, terminological, functional, systemic, process, cognitive approaches, as well as generalization, modeling, etc. The program involves active learning of the higher education student, including learning through research. Forms of organization of the educational process: lecture, practical training, practical training, independent work, consultation, development of professional projects (works).
Evaluation	Exams, quizzes, tests, essays, individual project-analytical tasks, project work, presentations, reports, portfolios, surveys, and discussions.
6 – Program competencies	
Integral competence	Ability to generate new ideas, solve complex problems in the field of design, apply the methodology of scientific and pedagogical activities, and conduct

(IC)		their own research, the results of which have scientific novelty, theoretical and practical significance.
General competencies (GC)	GC 1	Ability to generate new ideas (creativity).
	GC 2	Ability to identify, formulate and solve problems.
	GC 3	Ability to work in an international context.
	GC 4	Здатність розв'язувати комплексні проблеми у сфері дизайну на основі системного наукового світогляду та загального культурного кругозору із дотриманням принципів професійної етики та академічної доброчесності.
Professional competencies (PC)	PC 1	Ability to perform original research, achieve scientific results that create new knowledge in the field of design and related interdisciplinary areas and can be published in leading scientific journals in design and related fields.
	PC 2	Ability to identify, formulate and solve research problems in the field of design, evaluate and ensure the quality of and ensure the quality of the research performed.
	PC 3	Ability to present and discuss the results of scientific research in the field of design in Ukrainian and foreign languages, understanding of foreign language scientific texts.
	PC 4	Ability to initiate, develop and implement complex innovative projects in the field of design and related interdisciplinary projects, leadership in their implementation.
	PC 5	Ability to analyze, systematize and summarize the results of interdisciplinary research in the field of design, assess the current state and trends in design.
	PC 6	Ability to identify, formulate and solve research problems in the field of design, evaluate and ensure the quality of research.
	PC 7	Ability to carry out research and teaching activities in higher education.
	PC 8	Ability to synthesize complex design solutions based on the implementation of the results of pre-design analysis, understanding of current trends and patterns of design development.

7 – Programmatic learning outcomes	
PLO 1	Possess advanced conceptual and methodological knowledge in the field of design and on the border of subject areas, as well as research skills sufficient to conduct scientific and applied research at the level of world-class design achievements, gain new knowledge and innovate.
PLO 2	Formulate and test hypotheses; use appropriate evidence to support conclusions, including the results of theoretical analysis and applied research on design problems, available literature; analyze the problem under study with regard to the broader intellectual and socio-cultural contexts.
PLO 3	Critically analyze the results of own research and the results of other researchers in the context of the whole complex of modern knowledge on the problem under study.
PLO 4	To plan and carry out theoretical research in the field of design and related interdisciplinary areas using modern tools and in compliance with professional and academic ethics.
PLO 5	Understand the general principles and methods of design, as well as the methodology of scientific research, and apply them in their own research in the field of design and in teaching practice.
PLO 6	Use modern software products for searching, processing, analyzing, and presenting scientific information, including statistical methods for analyzing large-scale and complex data, specialized databases, and information systems.
PLO 7	To freely present and discuss research results, scientific and applied design problems with specialists and non-specialists in the state and foreign languages, to publish research results in scientific publications in leading scientific journals.
PLO 8	To develop and implement scientific and innovative projects that make it possible to create new holistic knowledge and professional practice and solve significant scientific design problems, taking into account social, economic, and legal aspects.
PLO 9	Draw up proposals for international scientific cooperation, as well as for funding research in the field of design.
PLO 10	Organize and carry out the educational process in the field of design, its scientific, educational, methodological and regulatory support, apply effective methods of teaching academic

	disciplines.
PLO 11	Organize collective research activities and manage the research team.
PLO 12	Understanding of the principles of design process formation, the main project stages and methods of their implementation, which ensure consistent and high-quality project implementation; understanding of modern design systems and technologies.
PLO 13	Ability to navigate modern design trends, the needs of society in order to use them in the field of contemporary design.
8 – Resource support for the program implementation	
Personnel support	All academic staff providing the educational and scientific program are qualified to meet the profile and direction of the educational components taught; have the necessary experience in scientific and pedagogical work and practical experience. In the process of organizing training, professionals with experience in research, management, innovation, creative work and/or work in the specialty and foreign lecturers are involved.
Material and technical support	The material and technical support allows us to fully ensure the educational process throughout the entire cycle of training under the educational and scientific program. The condition of the premises is certified by sanitary and technical passports that comply with applicable regulations.
Information and educational support	The program is fully equipped with teaching and methodological complexes for all components of the educational program, the availability of which is presented in the modular environment of the educational process of the University.
9 – Academic mobility	
National credit mobility	Provides for the possibility of academic mobility in some components of the educational and scientific program that ensure the acquisition of general competencies and/or professional competencies.
International credit mobility	The program develops prospects for participation and internships in research projects and academic mobility programs. It is implemented in an active research environment.
Training of foreign students of higher education	Foreign students are taught in accredited educational programs.

2. List of components of the educational and scientific program and their logical sequence

2.1.1 List of educational components of the educational and research program

Code	Components of the educational program (academic subjects, course work (projects), internships, qualification work)	Number of credits	Form of final control
1	2	3	4
Mandatory components of the educational and scientific program			
General training subjects			
EC 1	Philosophy of science and research methodology	4	examination
EC 2	Foreign language for academic purposes	8	examination
EC 3	Information and communication technologies in scientific research	4	offset
EC 4	Intellectual property and commercialization of scientific research	4	offset
	Total	**20**	
Professional training subjects			
EC 5	Teaching excellence in higher education	4	offset
EC 6	The general theory of forming	4	examination
EC 7	Design and ergonomics	4	examination
EC 8	Pedagogical practice	4	offset
	Total	**16**	
	Total amount of mandatory components	**36**	
Selective components of the educational and scientific program			
ES	Elective Subjects	12	examination
	Total volume of selected components	**12**	
TOTAL VOLUME OF THE EDUCATIONAL PROGRAM		**48**	

2.1.2 Content of the scientific component of the educational and scientific program of the third (educational and scientific) level of higher education

Search for scientific sources and their processing. Identification of the main tasks of the dissertation. Selection of optimal theoretical and/or experimental methods for solving them. Collecting data, processing and analyzing the results. Correction of the initial hypotheses and objectives in accordance with the results of the analysis. Preparation of scientific results for publication. Testing of scientific results at scientific conferences of various levels. Generalization of research results. Finalizing the range of problems to be addressed in the dissertation, establishing the place of the research in the context of the results of other authors. Formation of conclusions and recommendations. Finalization of the work and submission for defense. Defense of the dissertation.

The dissertation is submitted for defense in the form of a specially prepared manuscript. The dissertation should contain new scientifically based results of research conducted by the applicant, which perform a specific scientific task that is essential for the field of knowledge 02 Culture and Art.

The volume of the main text of the dissertation is 6.5-9 author's sheets.

The dissertation can be written in the state language or in English.

The dissertation must be executed in accordance with the requirements established by the Ministry of Education and Science of Ukraine.

The scientific results of the dissertation must be covered in at least three scientific publications of the applicant. Such scientific publications include:

1) articles in scientific publications included in the list of scientific professional publications of Ukraine as of the date of publication. If the number of co-authors in such an article (together with the applicant) is more than two people, such an article is equivalent to 0.5 publications (except for publications specified in subparagraph 2);

2) articles in periodicals indexed in the Web of Science Core Collection and/or Scopus databases (except for publications of a state recognized by the Verkhovna Rada of Ukraine as an aggressor state);

3) no more than one patent for an invention that has passed the qualification examination and is directly related to the scientific results of the dissertation, which is equivalent to one scientific publication;

4) single monographs that are recommended for publication by the Academic Council of the University and have been reviewed, except for single monographs published in a state recognized by the Verkhovna Rada of Ukraine as an aggressor state. Single chapters in collective monographs are equated with single monographs under the same conditions.

An article in a publication ranked in the first to third quartiles (Q1-Q3) according to the SCImago Journal and Country Rank or Journal Citation Reports classification, or a single monograph that meets the above requirements, is equivalent to two scientific publications.
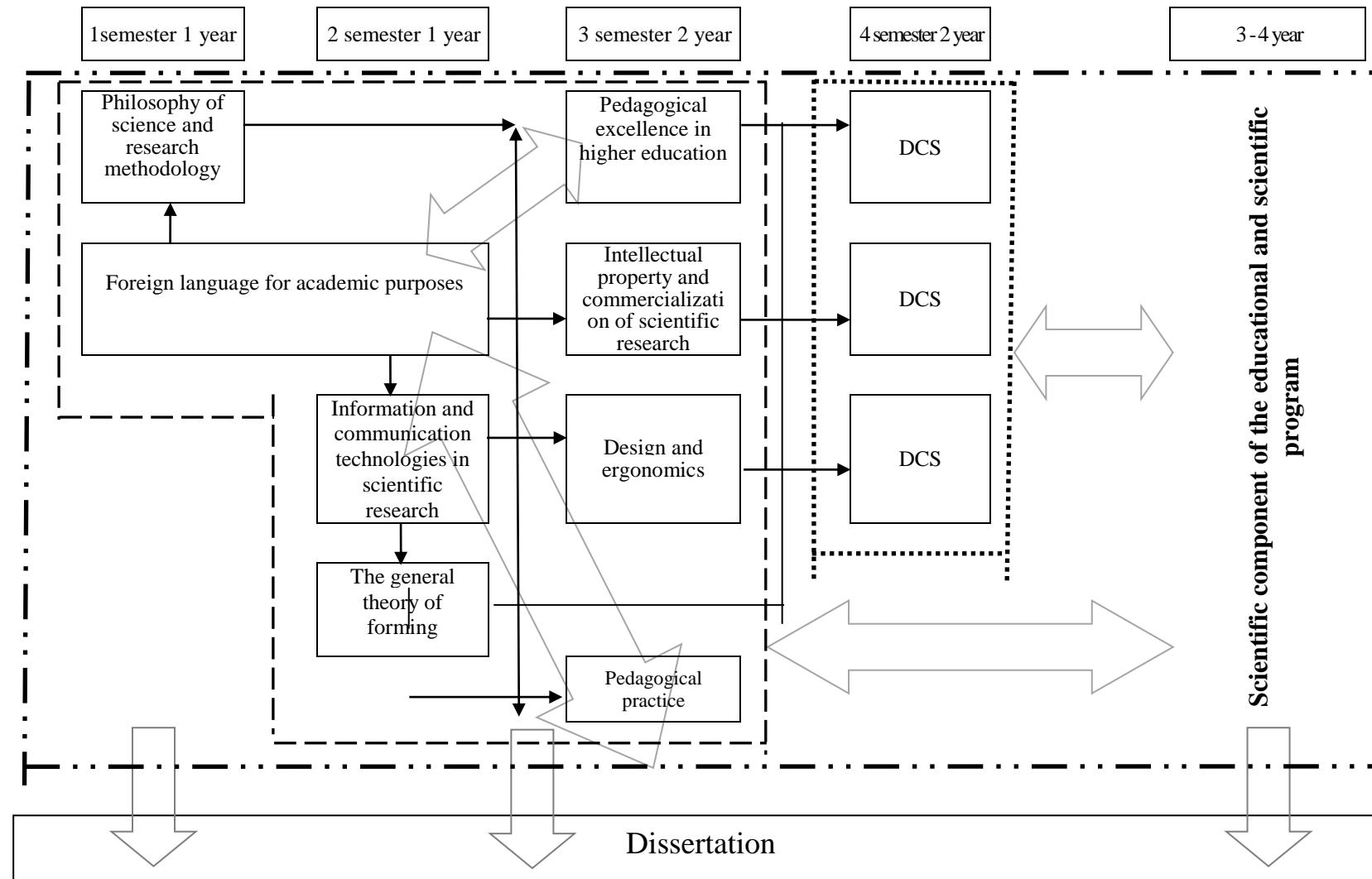
The affiliation of a scientific publication to the first to third quartiles (Q1-Q3) according to the SCImago Journal and Country Rank or Journal Citation Reports classification is determined according to the ranking in the year in which the relevant publication of the applicant was published or, if the ranking for the relevant year is not published as of the date of the formation of the one-time council, according to the latest published ranking.

Articles are credited on the topic of the dissertation only if they have an active DOI (Digital Object Identifier), except for publications containing information classified as state secret or information for official use.

Articles are credited on the topic of the dissertation, provided that the scientific results obtained are substantiated in accordance with the purpose of the article (task) and conclusions, as well as the publication of no more than one article in one issue (number) of a scientific publication.

It is not considered self-plagiarism if the applicant uses his or her own scientific works in the text of the dissertation without reference to these works, if they have been previously published in order to cover the main scientific results of the dissertation and are indicated by the applicant in the abstract of the dissertation.

2.2 Structural and logical scheme of the Doctor of Philosophy training in the educational and scientific program "Design"

1semester 1 year	2 semester 1 year	3 semester 2 year	4 semester 2 year	3 - 4 year

Philosophy of science and research methodology

Foreign language for academic purposes

Information and communication technologies in scientific research

The general theory of forming

Pedagogical excellence in higher education

Intellectual property and commercializati on of scientific research

Design and ergonomics

Pedagogical practice

DCS

DCS

DCS

Scientific component of the educational and scientific program

Dissertation

3. Form of certification of higher education applicants

Form of certification of higher education applicants	The certification of applicants for the degree of Doctor of Philosophy is carried out in the form of a public defense of the dissertation.
Requirements for qualifying work	The dissertation for the degree of Doctor of Philosophy is an independent detailed research that proposes a solution to a complex problem in the field of design or on its border with other specialties, which involves a deep rethinking of existing and creation of new holistic knowledge and/or professional practice. The dissertation must be published on the official website of the higher education institution. The dissertation must meet the requirements established by law.
Document on higher education	Doctor of Philosophy degree with a Doctor of Philosophy degree in Design (Design program).

4. Correspondence matrix of program competences to the components of the educational and scientific program

	PC	GC 1	GC 2	GC 3	GC 4	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8
EC 1	*					*					*		
EC 2	*			*				*					
EC 3	*		*										
EC 4	*				*								
EC 5	*							*				*	
EC 6	*								*				*
EC 7	*	*			*		*			*			
EC 8	*											*	

5. Matrix of providing program learning outcomes with relevant components of the educational and scientific program

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12	PLO 13
EC 1	*	*											
EC 2							*						
EC 3						*							
EC 4				*				*	*				
EC 5			*							*	*		
EC 6													*
EC 7					*							*	
ОК 8					*							*	*