MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

KYIV NATIONAL UNIVERSITY OF TECHNOLOGIES AND DESIGN

EDUCATIONAL PROFESSIONAL PROGRAM

FASHION INDUSTRY

Level of higher education second

Degree of higher education Master

Knowledge area18 Manufacturing and technology

Specialty 182 Consumer industry technologies

Qualification Masterin Consumer industry technologies

Kyiv 2021

1. Profileoftheeducational professional program Fashion industry

1 – General information	
Full names of the higher education institution and structural unit	Kyiv National University of Technologies and Design, DepartmentofDesignandTechnologiesof LeatherProducts.
Degree of higher education and qualification	Level of higher education - second. Degree of higher education - Master. Knowledge area - 18 Manufacturing and technology. Specialty - 182 Consumer industry technologies.
Diploma and the scope	Master`s Diploma, unitary, 90 credits ECTS.
Accreditation	Accreditation Certificate of study program 182 Consumer industry technologies degree of higher education - Master НД № 1185369, 27.06. 2017 р
Cycle/level	the seventh level according to National Qualifications Framework
Prerequisites	Bachelor degree
Language	Ukrainian
The validity of the study program	1 July 2023
Weblink to the study program description	http://knutd.edu.ua/ekts/
2 – The purpose of the study program	
Training of specialists with in-depth knowledge, as well as basic and professional competencies in the field of fashion industry and production of light industry products, aimed at acquiring knowledge, skills, abilities and abilities for research activities in the design and engineering of products and other consumer goods of mass and individual production and special purpose. *The main goals of the program* are: formation and development of professional, scientific and communicative competencies in scientific and practical activities in the field of development and promotion of competitive in the foreign and domestic markets of goods of the fashion industry and technologies of their production.	
3 – Характеристика освітньої програми	
Subject area	The program is focused on the competencies formation for the acquisition of deep knowledge, skills, and abilities in the specialty. Compulsory studying modules - 73%, of which: general courses - 9%, vocational training - 32%, practical training - 23%, a foreign language studying - 4%, diploma - 32%. Elective disciplines (23%) are chosen by students from the general University catalog according to the approved University Procedure.
Program orientation	Educational and professional program for master's degree preparation
The main focus of the program	Emphasis is placed on the formation and development of professional, scientific and communicative competencies in the development of competitive products in the fashion industry and technologies for their manufacture.
Особливості освітньої програми	The program develops the prospects of student mobility in terms of practical application of the results of educational activities in design studios, fashion houses. Performed in an active research environment and in enterprises, firms and organizations engaged in business activities in the fashion industry, activities in the fashion industry, covering issues of fashion, style and image. The program is focused on acquiring competencies for solving and optimizing complex tasks and problems in various segments of the fashion industry, which provides analysis, justification and application of optimal methods of process management and implementation of technologies for manufacturing and service of products in the fashion industry; conducting research and / or innovation; ensuring the appropriate level of product quality. The program focuses on the formation of competencies in three areas: fashion industry, design of footwear and haberdashery, technology and design of knitwear.

4 – Graduate's suitability for employment and further study		
The employment suitability	The graduate is suitable for employment in enterprises, organizations and institutions operating in the light industry and fashion industry, in show business. Names of professions and positions that can be performed by the applicant: designer, fashion designer, stylist, image maker, visual merchandiser, decorator, costume designer, buyer, designer-technologist in the fields of clothing, knitwear, footwear, leather goods, fashion editor, trend -analyst, assistant of the department, employee of the scientific laboratory, research sector.	
Further study	Lifelong learning to improve professional, scientific and other activities. Possibility to continue studying at the educational-scientific program of the third level of higher education (PhD).	
5 – Teaching and grading		
Teaching and learning	Student-centered and problem-oriented learning, learning through research, scientific-pedagogical and practical training, and self-study are used. The system of teaching methods is based on the principles of purposefulness and binary - active direct participation of research and teaching staff and students. Forms of the education: lecture, seminar, practice, laboratory classes, practical training, individual work, consultation, Master`s thesis.	
Grading	Exams, tests, courses projects, presentations, reports, qualification work.	
6 – Program competencies		
Integral competence (IC)	Ability to solve complex problems and problems of production and technology of light industry or in the learning process, which involves research and / or innovation and is characterized by uncertainty of conditions and requirements.	
General competencies (GC)	GC 1	Ability to apply knowledge in practical situations.
	GC 2	Ability to plan and manage time.
	GC 3	Ability to communicate in a foreign language.
	GC 4	Interpersonal skills.
	GC 5	Ability to work in a team.
Professional competencies (PC)	PC 1	Ability to develop and manage projects in the field of production and light industry technologies.
	PC 2	Ability to collect, analyze and process information from various sources, including foreign ones, to solve complex scientific and creative problems in the field of production and technology of light industry.
	PC 3	Ability to carry out safe activities in the field of light industry products.
	PC 4	Ability to show initiative and leadership qualities, to bear personal responsibility in the professional sphere.
	PC 5	Ability to use information technology for processing and analysis of empirical data, modeling, design, manufacture and quality control of light industry products for various purposes.
	PC 6	Ability to make effective decisions and ensure the appropriate level of quality of work performed, safety and economic efficiency in the field of production and technology of light industry.
	PC 7	Ability to organize and implement effective technological processes of manufacturing and / or sales of light industry products for various purposes.
	PC 8	Ability to adapt and solve a wide range of complex problems and tasks, characterized by uncertainty of conditions and requirements in the field of production and light industry technologies.
	PC 9	Ability to implement spatial and planar modeling for the development of products of the fashion industry.

Block 1 of professional orientation " Fashion Industry"		
	PC 10.1	Ability to independently formulate and perform engineering tasks to create competitive products in modern light industry enterprises with the use of innovative technologies
	PC 11.1	Ability to develop design documentation for products of mass and individual production of products in the fashion industry.
	PC 12.1	Ability to perform spatial modeling with the use of modern graphic computer programs, to develop basic designs in an automated mode with the use of modern CAD.
Block 2 of professional orientation "Footwear and Haberdashery Design"		
	PC 10.2	Ability to perform spatial modeling of the shape and elements of shoes in the environment of specialized graphic CAD
	PC 11.2	Ability to independently formulate and perform engineering tasks in the conditions of modern shoe and haberdashery enterprises with the use of innovative technologies
	PC 12.2	Ability to set and formalize tasks for the creation of competitive products: the formation of a range of leather products under the influence of trends, modeling and manufacture of footwear a wide range of products, creating and promoting a brand.
Block 3of professional orientation "Technologies and design of knitwear"		
	PC 10.3	Ability to design knitwear production and choose the optimal technological process of knitwear production depending on the range of products by type of economic activity.
	PC 11.3	Ability to independently formulate and perform engineering tasks in modern knitwear companies, different types of economic activity.
	PC 12.3	Ability to set and formalize tasks for automated artistic design of knitted fabrics and products on specialized computer software for knitting equipment
7 – Program learning outcomes		
Knowledge and understanding:		
PLO 1	Have specialized conceptual knowledge, including modern scientific achievements in the field of production and light industry technologies, sufficient to produce new ideas and conduct research.	
PLO 2	Understand the broad interdisciplinary context of production and light industry technologies, take into account legal, economic, social, ethical, environmental aspects in solving complex scientific, engineering and production problems and making appropriate decisions.	
PLO 3	To know the stages of design and technological processes of manufacturing knitted products of different assortment groups by types of economic activity, methods of calculating the productivity of knitting equipment of different types.	
PLO 4	To know the principles of knitting design development and creation of electronic sketches of collections of knitted products by means of computer graphics, possibilities of specialized computer support of knitting equipment of different types	
PLO 5	Know the basics of management and protection of intellectual property rights, the legal framework of Ukraine for the legal protection of intellectual property.	
PLO 6	Know the basic laws and regulations on labor protection in the industry, international norms in the field of labor protection, social responsibility.	
Skills:		
PLO 7	Plan scientific and / or applied research in the field of light industry technologies, choose effective research methods, process and analyze research results, substantiate conclusions.	
PLO 8	Develop and implement innovative projects in the field of production and technologies of light industry, taking into account technological, commercial, legislative and other aspects, to carry out the necessary protection of intellectual property.	

PLO 9	Find the necessary information for the development and implementation of scientific and innovative projects in the scientific literature, patents, databases, other sources, evaluate, process and critically analyze it.
PLO 10	Predict the development of technology and production, market conditions in the field of light industry.
PLO 11	Use modern methods and equipment for experimental research of technologies, production processes, materials and products of light industry, apply relevant methods of planning and statistical processing of experimental data.
PLO 12	Organize the work of the research or production team, manage its activities in accordance with applicable law and internal regulations of the enterprise / institution, ensure the efficiency and quality of the team, occupational safety and the environment.
PLO 13	Assess and eliminate risks in making technological and organizational decisions in the field of production and light industry technologies, make effective decisions under uncertain conditions and requirements.
PLO 14	Carry out design of knitted production of different types by types of economic activity, including the choice of raw materials depending on the product range, performance of necessary technological calculations to determine filling characteristics in accordance with linear measurements of knitted products, productivity of technological equipment at all stages of production and its required quantity compliance with production volumes, selection of rational technological processes of manufacturing and optimal placement of technological equipment.
PLO 15	To develop design of ornamental cloths, products of the set form and sketches of collections of knitted clothes by means of computer graphic programs.
PLO 16	Identify trends in the development of design methods and technologies for the manufacture of products of the fashion industry, assess the innovative potential of projects of the fashion industry and introduce them in the design and manufacture of products of the fashion industry.
PLO 17	Use market research of the fashion industry market, show a creative approach and make extraordinary decisions when creating collections of products for various purposes.
PLO 18	Use specialized computer programs for spatial modeling in modern graphic systems to solve design and engineering problems of the fashion industry.
PLO 19	Predict the development of technology and production, market conditions in the field of light industry.
Forming reasoning:	
PLO 20	Fluently communicate in state and foreign languages orally and in writing on scientific, engineering and production issues in the field of light industry technologies, present the results of their activities.
PLO 21	Objectively evaluate the quality and efficiency of your own work, the work of your own team and other teams.
PLO 22	Independently master new knowledge and skills, help in training other members of the team.
PLO 23	It is clear and unambiguous to communicate one's own conclusions, research and innovation results to specialists and non-specialists, in particular with colleagues, business partners and students, to argue their position.
PLO 24	Choose the necessary optimal technological process of knitwear production depending on the type of product range; practical preparation for independent work in the conditions of modern knitted enterprises.
8 – Resources for program implementation	
Staffing	All teaching staff who provide this scientific study program correspond to the taught courses profile by qualification and have got the necessary experience of pedagogical activity and practical work. High professionals with experience in research / management / innovation / creative work in the consumer industry field are involved in the training.

Logistics	Logistics allows to fully ensure the educational process throughout the study program cycle. The condition of the classes and laboratories is certified with sanitary and technical passports that comply with existing regulations.
Information and methodical support	The program is fully provided with an educational and methodical complex of all courses, which availability is presented in the modular environment of the educational process of the University.
9 – Academic mobility	
National credit mobility	The program provides the possibility for academic mobility in some components provided the acquisition of general and / or professional competencies.
International credit mobility	The program develops prospects for internships and participation in research projects and academic mobility programs abroad.
Studying for foreign students	Studying of foreign students is according to accredited programs.

2. List of components (study courses) of the scientific study program of the second (master's) level of higher education

Cod	Components of the study program (study courses, courses projects (works), practices, qualification work)	Number of credits	Form of control
1	2	3	4
Compulsory components			
General courses cycle			
CC 1	Occupational safety and health in the industry	3	exam
CC 2	Methodology of modern scientific studies with the basics of intellectual property	3	exam
CC 3	Business Foreign Language (english, german, france)	3	credit
	Total for the cycle	**9**	
Professional courses cycle			
CC 4	Modern technologies of 3D product design	6	exam
CC 5	Modern equipment and technologies of service and fashion	3	credit
Block 1of professional orientation"Knitwear Technology and Design"			
CC 6.1	Manufacture design in the knitting industry	6	exam
CC 7.1	Computer technologies in knitwear manufacture	6	exam
Block 2 of professional orientation"Knitwear Technology and Design"			
CC 6.2	Commercial modeling and design of shoes, accessories based on spatial design	6	exam
CC 7.2	Innovative technologies at the enterprises of footwear and leather haberdashery	3	exam
CC 8.2	Computer technologies in the designing and in the production of the leather products	3	exam
Block 3 of professional orientation"Fashion Industry"			
CC 6.3	Commercial modeling of fashion industry products	6	exam
CC 7.3	Marketing, design, and manufacture of the fashion industry products	3	exam
CC 8.3	Spatial design of fashion industry products	3	exam
CC 9.1	Research practice	6	credit
CC 9.2	Pre-diploma practice	9	credit
CC 10	Master's thesis	21	attestation
	Total for the cycle	**57**	
	Total credits for Compulsory components	**66**	
Elective components			
EC	Courses for student`s choice	24	залік
	TOTAL CREDITS	**90**	