MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

KYIV NATIONAL UNIVERSITY OF TECHNOLOGIES AND DESIGN

SCIENTIFIC STUDY PROGRAM DESIGN AND TECHNOLOGY OF SEWING PRODUCTS

Level of higher educatio	n first (bachelor's)	
Degree of higher education	ionbachelor	
Knowledge area	18 Manufacturing and technology	
Specialty	182 Consumer industry technologies	<u> </u>
Qualification	bachelor in Consumer industry technologies	•

1. Profile of the educational and professional program <u>Design and Technology of</u> <u>Sewing Products.</u>

I – General Information				
Full names of the higher		Kyiy National University of Technologies and Design		
education institution and		Kylv National University of Technologies and Design,		
structural unit		Department of Technology and Design of Sewing Floddets.		
Degree of higher education and		Level of higher education - first (bachelor's).		
qualification		Degree of higher education - bachelor.		
		Knowledge area - 18 Manufacturing and technology.		
		Specialty - 182 Consumer industry technologies.		
Diploma and the scope		Bachelor's degree, single, 240 ECTS credits /		
		180 ECTS credits for a reduced period of study.		
Accreditation		Accreditation Certificate of accreditation of the educational-		
		professional program UD № 11007001 dated July 11, 2018.		
Cvcle / level		the sixth level according to National Qualifications		
		Framework		
Prerequisites		Complete general secondary education, professional higher		
1 rer equisites		education or junior bachelor's degree (junior specialist). In		
		accordance with the Standard of Higher Education in the		
		specialty based on the degree of junior bachelor (OOR of the		
		iunior specialist) the University recognizes and recalculates		
		ECTS credits received within the previous educational		
		program of junior bachelor (junior specialist)		
Longuaga		Likrainian		
The velidity of the stud	ly program			
Wohlink to the study n	iy program	1 July 2025.		
description	Weblink to the study program https://knutd.edu.ua/ekts/			
description	2 There	unage of the educational ane gram		
Training of specialist	2 - 1 lie p	in depth tracycledee as well as basis and professional		
competencies in the fiel	d of garment	production with wide access to employment and the possibility		
of further training Suc	cessful gradi	lates must demonstrate theoretical knowledge and mastery of		
practical skills and a	bilities to o	lesign competitive garments and highly efficient modern		
manufacturing processe	s.	songh competitive guillents and inging efficient modern		
The main objectives of	the program	<i>are</i> : formation and development of general and professional		
competencies in the sr	becialty of li	ght industry technology, which involves the introduction of		
professional knowledge	and practica	I skills to solve specialized problems and practical problems in		
the production and tech	nology of ga	rments; meeting the needs of the individual in intellectual and		
cultural development by	v obtaining h	igher education in the field of garment production; meeting the		
needs of society in qu	alified perso	nnel by training specialists in the design and technology of		
garments.				
3 – Characteristics of the educational program				
	3 – Charac	teristics of the educational program		
Subject area	3 – Charac The program	n is focused on the formation of applicants for competencies to		
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Subject area	3 – Charace The program acquire dee Compulsory vocational	m is focused on the formation of applicants for competencies to p knowledge, skills and abilities in the specialty. y study modules - 75%, of which: general training - 30%, training - 44%, practical training - 13%, foreign language		
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Study program	Forms specialists in design, manufacturing technology and quality				
features	assessment of garments with creative thinking, proactive and able to				
	quickly	quickly adapt to the requirements of the modern production environment.			
	Takes i	Takes into account modern requirements for solving practical problems by			
	using the acquired knowledge. Production practice is carried out at modern				
	garmer	nent enterprises of Ukraine of various organizational forms. Leading			
	practiti	titioners of the industry (presentations, lectures, webinars, round			
	tables,	etc.) are involved in the implementation of the program.			
<u>4 – Su</u>	itability of graduates for employment and further study				
Suitability for	The gr	The graduate is suitable for employment in enterprises, organizations and			
employment	institut	institutions operating in the field of production and quality examination of			
	garmer	garments. Can work in all administrative positions of the lower level of			
	industr	industrial garment enterprises (master, technologist, head of the			
	departr	department, shop, department); in the positions of designer and			
	technol	technologist at the enterprises of service individual manufacturing of			
	clothes	clothes and the fashion industry; as an expert on the quality of clothing and			
	its man	austoms service and departmental organizations of various levels			
	control, customs service and departmental organizations of various levels.				
	education.				
Further training	Opportunity to study according to the educational-scientific or				
	educati	onal-professional program of the second (master's) level of higher			
	education.				
		5 – Teaching and assessment			
Teaching and	Studen	t-centered and problem-oriented learning, learning through training			
learning	and in	dustrial practice and self-study are used. The system of teaching			
	methods is based on the principles of purposefulness, binary - active direct				
	participation of teacher and student.				
	romis	romis of organization of the educational process: lecture, seminar,			
	practical, laboratory classes, practical training, independent WOFK,				
Grading	Exams tests tests niece projects and works presentations reports on				
Grading	laborat	ory works reports on practice control works			
	1000100	6 – Program competencies			
Integral competence	Ability	to solve complex specialized problems and practical problems in			
(IC)	the proc	duction and technology of light industry or in the learning process,			
	which i	nvolves the application of certain theories and methods of relevant			
	sciences	s and is characterized by complexity and uncertainty of conditions.			
General competencies	GC 1	The ability to exercise their rights and responsibilities as a			
(GC)		member of society, to realize the values of civil (free democratic)			
		society and the need for its sustainable development, the rule of			
		law, human and civil rights and freedoms in Ukraine.			
	GC 2	Ability to preserve and increase moral, cultural, scientific values			
		and achievements of society based on understanding the history			
		and patterns of development of the subject area, its place in the			
		general system of knowledge about nature and society and in the			
		development of society, techniques and technologies. active			
		recreation and a healthy lifestyle.			
	GC 3	Ability to abstract thinking, and analyze			
	GC 4	Ability to apply knowledge in practical situations.			
	GC 5	5 Ability to adapt and act in a new situation.			
	GC 6	C 6 Skills in the use of information and communication technologies.			
	GC 7	Ability to make informed decisions.			

	GC 8	Ability to learn and master modern knowledge.			
	GC 9	Safety skills.			
	GC 10	Ability to act on the basis of ethical considerations (motives).			
Professional	PC 1	Ability to use knowledge and understanding of basic sciences to			
competencies (PC)		solve professional problems			
competencies (1 C)	PC 2	Ability to use mathematical methods in the design of garments and			
	102	technologies for their manufacture as well as in product			
		control			
	DC 2	Ability to apply modern experimental methods to determine the			
	103	characteristics of materials and garments and find appropriate			
		solutions to improve their quality.			
	PC 4	Ability to systematically describe the processes of manufacturing			
	104	arments and find optimal solutions to production and			
		technological problems			
	DC 5	Ability to organize and implement offective technological			
	rt s	processes of manufacturing and / or sales of garmants of different			
		processes of manufacturing and / or sales of garments of different			
	DC	range and purpose.			
	PC 6	Ability to ensure the efficiency and quality of design and			
	DC 7	Ability to a los a mile serve of an airlined and bloom and tasks in			
	PC /	Ability to solve a wide range of specialized problems and tasks in			
		protessional activities, justifying the choice of methods and			
	DCIO	proposed solutions.			
	PC 8	Ability to professionally use special terminology for the design			
	DCO	and manufacture of garments and their manufacturing processes.			
	PC 9	Ability to carry out feasibility studies of production decisions, in			
		particular on the choice of materials, range of garments, the			
		consumer properties and equipment of technological processes of			
	D (110	their manufacturing.			
	PC 10	Ability to receive, store, process and analyze information needed			
		to solve problems of professional activity, quality forecasting at all			
	DC 11	stages of design, manufacture and / or safe of garments.			
	PC II	Ability to apply knowledge of the main aspects of the use of			
		terminology for the design and manufacture of garments in			
	DC 10	Okrainian and foreign languages.			
	PC 12	Adding to use information and communication technologies solve experimental and practical problems in the field of communication			
		solve experimental and practical problems in the field of garment			
	DC 12	manufacturing.			
	PC 13	Ability to create sketches of models and their technical drawings			
		using modern graphic computer programs; to carry out the express			
		materials for production of clothes: build basic structures			
		according to different methods and perform modeling of different			
		types in manual and automated modes with the use of modern			
		CAD: to qualitatively make all range of garments of various			
		complexity to work on modern sewing equipment and perform			
		actions aimed at its adjustment and maintenance: to develop and			
		draw up in compliance with the existing regulatory requireme			
		design and technological documentation for the manufacture of			
		garments in industrial production; to perform design			
		documentation in compliance with existing regulatory			
		requirements for the product and the technological processes of			
		the main industrial production of garments.			
	1				

7 – Program learning outcomes			
Knowledge and understanding:			
PLO 1	Know and understand the basic and applied sciences at the level necessary to achieve		
	other results of the educational program.		
PLO 2	Know and understand the technology of manufacturing light industry products,		
	including the implementation of technological, technical and economic and design.		
PLO 3	Know and understand the general anatomy of the human figure and methods of modern		
	anthropometric and biomechanical research.		
PLO 4	To know and understand features of construction of drawings of details of basic designs		
	of clothes of various assortment.		
Application	on of knowledge and understanding (skills):		
PLO 5	Apply abstract thinking in solving complex specialized problems in the production and		
	technology of light industry.		
PLO 6	Use modern information systems and technologies, general and specialized software in		
	professional activities.		
PLO 7	Have the skills of business communication, teamwork, be able to lead a discussion in the		
	field of light industry technology.		
PLO 8	To determine the characteristics and quality of light industry products in the laboratory		
1200	using modern methods of production control.		
PLO 9	Have professional terminology and basic concepts of materials science, design,		
	technology, design, commodity science, technological processes of manufacturing light		
	industry products, the range of quality indicators.		
PLO 10	Describe, identify and classify light industry facilities. Know and understand modern		
	principles of light industry organization.		
PLO 11	Organize, control and manage the technological processes of manufacturing light		
	industry products.		
PLO 12	Collect, process, analyze information related to light industry products, production		
	technologies, quality expertise, technical and economic indicators and demand.		
PLO 13	Have the skills to independently perform typical professional tasks, group leadership and		
	mentoring.		
PLO 14	Perform engineering calculations necessary for the implementation of professional		
	activities, following standard methods and applicable regulations.		
ПРН 15	To form the structure of the range of light industry products in accordance with their		
	purpose and the requirements of standards and consumers.		
PLO 16	Be able to develop, improve or evaluate production products and light industry		
	technologies.		
PLO 17	Adhere to occupational safety and environmental requirements in professional activities.		
PLO 18	Ensure economic efficiency of production and sale of light industry products through the		
	introduction of resource-saving and competitive technologies.		
PLO 19	Adhere to ethical norms in relation to other people and nature (the principle of		
	bioethics), understanding the impact of advances in light industry technologies on the		
	social sphere.		
PLO 20	Use creative thinking in solving practical problems of design and manufacturing		
	technologies of garments from different materials (knitwear, natural and artificial leather		
PF 0 01	and fur, etc.).		
PLO 21	Be able to create sketches of models of modern clothing and their technical drawings in		
DI O CC	accordance with the laws of composition and color.		
PLO 22	Perform typical professional tasks in commodity science and examination of garments,		
	Tollowing standard methods and current regulations.		
PLO 23	Use modern graphic computer programs and computer-aided design (CAD) systems to		
	solve the problems of designing garments of different styles, snapes, silhouettes and		
	design solutions.		

Formation	n of judgment	s:		
PLO 24	Communicate freely on professional issues orally and in writing in the state and foreign			
	languages.			
PLO 25	To form an	d defend one's own worldview and public position, to act socially		
	responsibly a	nd consciously.		
PLO 26	Preserve and increase the achievements and values of society, lead a healthy lifestyle.			
	8	- Resource support 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. Professionals with		
		research and / or professional experience and foreign lecturers are		
		involved in the training process.		
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		
1		regulations.		
Informati	on and	The program is fully provided with an educational and methodical		
methodical support		complex of all courses, which availability is presented in the modular		
		environment of the educational process of the University.		
9 – Academic mobility				
National	credit	Provides for the possibility of academic mobility in some components of		
mobility		the educational program, providing the acquisition of general		
		competencies.		
Internatio	nal credit	al credit The program develops prospects for participation and internships in		
mobility	research projects and academic mobility programs abroad.			
Studying	ng for foreign Studying of foreign students is according to accredited programs.			
students				

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

	Components of the study program	Number		
Cod	(study courses, courses projects (works), practices, qualification	of credits	Form of control	
1	2	3	4	
-	Required components of the educational program			
	General training cycle	0		
RC 01	Ukrainian and foreign culture	3	залік	
RC 02	Business Ukrainian language	3	залік	
RC 03	Philosophy, political science and sociology	6	екзамен	
RC 04	Foreign Language (english, german, france)	12	екзамен	
RC 05	Higher mathematics	6	екзамен	
RC 6	Physics	6	екзамен	
RC 7	Chemistry	3	екзамен	
RC 8	Information systems and technologies	6	екзамен	
RC 9	Life safety and civil protection	3	екзамен	
RC 10	Physical education ¹	3	залік	
RC 11	Engineering and computer graphics	6	екзамен	
RC 12	Foreign language of professional orientation (english,	10		
	german)	12	екзамен	
	Total from the cycle	69		
	Cycle of professional training			
RC 13	Composite bases in clothes	3	екзамен	
RC 14	Basics of making sewing products	6	екзамен	
RC 15	Fundamentals of design of sewing products	3	залік	
RC 16	Professional communications	3	залік	
RC 17	Entrepreneurial business	3	залік	
RC 18	Materials science	6	екзамен	
RC 19	Anthropometry and basics of biomechanics	3	екзамен	
RC 20	Equipment for the manufacture of products	3	екзамен	
RC 21	Technology of sewing products	12	екзамен	
RC 22	Design of garments	12	екзамен	
RC 23	Qualitology of garment production	3	екзамен	
RC 24	Design preparation of production	3	екзамен	
RC 25	Features of design of various purpose products	3	екзамен	
RC 26	Features of technology of production of products from	3	екзамен	
DC 27	Various materials	6		
RC 27	<u>Commodity science and quanty evaluation of garments</u>	0	скзамен	
KC 20	production of clothing	6	екзамен	
RC 29	Computer technologies in the garment industry	6	екзамен	
RC 30	Automated production control systems (APCS) and			
110 00	automated technological processes of clothing production	3	залік	
RC 31	Educational practice	18	залік	
RC 32	production practice	6	залік	
	Total from the cycle	111		
	Total credits for Compulsory components	180		
	Elective components			
EC	Courses for student's choice	60	залік	
	Total credits for Elective components	60		
	TOTAL CREDITS	240		

¹ - non-credit discipline