MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

KYIV NATIONAL UNIVERSITY OF TECHNOLOGIES AND DESIGN

SCIENTIFIC STUDY PROGRAM

CONSUMER INDUSTRY TECHNOLOGIES

Level of higher education	second
Degree of higher education	n Master
Knowledge area	18 Manufacturing and technology
Specialty	182 Consumer industry technologies
QualificationM	aster in Consumer industry technologies

1. Profile of the scientific study program Consumer industry technologies

	1 – General information									
Full names of the higher	Kyiv National University of Technologies and Design,									
education institution and	Department of Ergonomics and Design;									
structural unit	Department of Technology and Design of Sewing Products,									
	Department of Textile Technology and Design,									
	Department of Design and Technologies of Leather Products.									
Degree of higher	Level of higher education - second.									
education and	Degree of higher education - Master.									
qualification	Knowledge area - 18 Manufacturing and technology.									
	Specialty - 182 Consumer industry technologies.									
Diploma and the scope	Master's Diploma, unitary, 120 credits ECTS.									
Accreditation	Accreditation Certificate of study program УД № 11008923 від									
	12.06.2019 p.									
Cycle/level	the seventh level according to National Qualifications Framework									
Prerequisites	Bachelor degree									
Language	Ukrainian									
The validity of the study	1 July 2024									
program	1 July 2024									
Weblink to the study	http://en.knutd.edu.ua/ekts/									
program description	intp.//en.knutu.euu.ua/ekts/									
2 – The nurnose of the study program										

2 – The purpose of the study program

Training the specialists with deep knowledge, as well as basic and professional competencies in the field of manufacturing and technologies of the consumer industry is the goal of the program. It is aimed at gaining the student's ability to conduct research at the appropriate level from the stage of problem setting to results analysis and conclusions as well as the ability to carry out the scientific and pedagogical activity in HEI.

The main objectives of the program are the formation and development of general and professional competencies in the consumer industry field. It involves the following: the introduction of professional knowledge and practical skills of integrative solution of research problems in the field of the consumer industry manufacturing technologies into professional activity; effective professional communication in the scientific and pedagogical team; formation of own style of scientific and pedagogical activity

of own style of s	scientific and pedagogical activity.								
	3 – Characteristics of the study program								
Subject area	The program is focused on the competencies formation for the acquisition of								
	deep knowledge, skills, and abilities in the field of manufacturing and								
	technology of the consumer industry.								
	Compulsory studying modules - 73%, of which: general courses - 13.3%,								
	vocational training - 33.4%, practical training - 23.3%, a foreign language								
	studying - 6.7%, diploma - 23.3%.								
	Elective disciplines (27%) are chosen by students from the general University								
	catalog according to the approved University Procedure.								
Program	the Masters scientific study program.								
orientation									
The main	Emphasis is on the formation and development of professional competencies in								
focus of the	the field of manufacturing and technology of the consumer industry; the study								
program	of theoretical and methodological provisions, organizational and practical tools								
	for scientific and pedagogical activities								
Study	The education process is performed in an active research environment, focused								
program	on the competencies acquisition for solving complex problems in the field of								
features	manufacturing and technology of the consumer industry in the following areas:								
	Fashion Industry; Design and Technology of Sewing Products; Technologies								

	I										
		gn of Fur Products; Knitwear Technology and Design; Footwear and									
	Haberdashery Design; Styling, Design and Artistic Decoration of consum										
	_	industry products. It provides using the modern methods for theoretical and approximately approximately approximately approximately approximately approximately approximately approximately and approximately approx									
	-										
	level at a	ill stages of design and manufacture of consumer industry products for									
	various p	ourposes.									
	4 – Gradi	uate's suitability for employment and further study									
The	The gra	duate is could be employed in enterprises, institutions, and									
employment	organiza	tions of the consumer industry as an expert engineer, research									
suitability	engineer.	, engineer for technical examination of textiles and the consumer									
	industry	products; as well as in higher and vocational education institutions as									
	teaching	staff or researcher.									
Further study	Lifelong	learning to improve professional, scientific and other activities.									
	Possibili	ty to continue studying at the educational-scientific program of the									
	third leve	el of higher education (PhD).									
		5 – Teaching and grading									
Teaching and	Student-	centered and problem-oriented learning, learning through research,									
learning	scientific-pedagogical and practical training, and self-study are										
	system o	system of teaching methods is based on the principles of purposefulness									
	binary - a	inary - active direct participation of research and teaching staff and students. orms of the education: lecture, seminar, practice, laboratory classes, practical									
	Forms of	f the education: lecture, seminar, practice, laboratory classes, practical									
	training,	raining, individual work, consultation, Master's thesis.									
Grading	Exams, t	Exams, tests, courses projects, presentations, reports, qualification work.									
		6 – Program competencies									
Integral	Ability to	o solve complex problems of the consumer industry technologies or of									
competence	the traini	ng, which involves research and/or innovation and is characterized by									
(IC)		tainty of conditions and requirements.									
General	GC 1	Ability the knowledge using at practice.									
competencies	GC 2	Ability to plan and manage time.									
(GC)	GC 3	Ability to communicate in a foreign language.									
	GC 4	Interpersonal skills.									
	GC 5	Ability to the teamwork.									
	GC 6	Ability to abstract thinking, analysis and synthesis									
Professional	PC 1	Ability to develop and manage projects in the field of the consumer									
competencies		industry technologies.									
(PC)	PC 2	Ability to collect, analyze and process information from different									
		sources, including foreign ones, to solve complex scientific and									
		creative problems in the field of the consumer industry technology.									
	PC 3	Ability to safe activities when manufacturing the consumer industry									
		products.									
	PC 4	Ability to demonstrate initiative and leadership, to bear personal									
		responsibility in the professional sphere.									
	PC 5	Ability to use information technology for processing and analysis of									
		empirical data, modeling, design, manufacturing, and quality control									
		of the consumer industry products.									
	PC 6	Ability to make effective decisions and ensure the appropriate quality									
		level of work, safety, and economic efficiency the manufacturing in									
		the consumer industry.									
	PC 7	Ability to conduct research at the appropriate level in the field of the									
		consumer industry manufacturing and technologies from the problem									
		statement stage to the analysis and conclusions of the results.									
	l .	similarity simply to the unuly sit und contrastons of the feducia.									

	PC 8	Ability to scientific and pedagogical work in higher education institutions and vocational education institutions, related to the										
		teaching of courses in the field of the consumer industry technology.										
	PC 9	Ability to study the characteristics and / or properties of materials										
		and products of the textile and consumer industry using modern										
		methods and tools.										
	PC 10	Ability to develop intellectual property and solve issues of their										
	DC 11	protection.										
	PC 11	Ability to use the modern methods of research and experiment										
	PC 12	results processing. Ability to communicate professionally with potential foreign										
	1012	partners, a foreign language knowledge as a means of forming ideas										
		and strategies in the professional field.										
		7 – Program learning outcomes										
Knowled	lge and understa											
PLO 1		specialized conceptual knowledge, including modern scientific										
	achievements in	the field of the consumer industry manufacturing and technologies, luce new ideas and conduct research.										
PLO 2		sic laws and regulations for occupational safety and health in the										
DI O 2		tional norms in occupational safety, social responsibility.										
PLO 3	framework of Uk	craine for the intellectual property rights.										
PLO 4		mathematics, physics, chemistry, general engineering at the level										
		eve other learning outcomes within the study program.										
Skills:	•											
PLO 5	to plan scientific	and/or applied research in the field of textile and consumer industry										
	_	choose effective research methods, to process and analyze research										
DY O (results, to justify											
PLO 6		fluently in state and foreign languages orally and in writing on										
		eering, and manufacturing issues in the field of textile and consumer logies, to present the activities results.										
PLO 7		implement innovative projects in the field of textile and consumer										
	-	ufacturing and technologies, taking into account technological,										
		islative, and other aspects; protect the intellectual property right.										
PLO 8		methods and equipment for experimental research of technologies,										
		processes, materials, and products of the consumer industry, to apply										
	relevant method	s for planning and statistical processing of experimental data.										
PLO 9	_	work of the research or production team, to manage its activities in										
		applicable law and internal regulations of the enterprise / institution,										
		m efficiency and work quality, occupational safety, and the										
PLO 10	environmental p											
PLO 10 PLO 11		whedge and skills individually, to help teammates in learning. ay methods and tools of mathematical and computer modeling,										
		search of technologies and manufacturing processes of textile and										
		ries, to provide practical recommendations based on research results.										
PLO 12		bliance with safe at each workplace and timely update the instructions										
	-	ag conditions, taking into account the requirements of occupational										
		sanitation, and fire protection.										
PLO 13	to develop and t	each courses in HEI related to the manufacturing and technologies of										
		onsumer industries.										

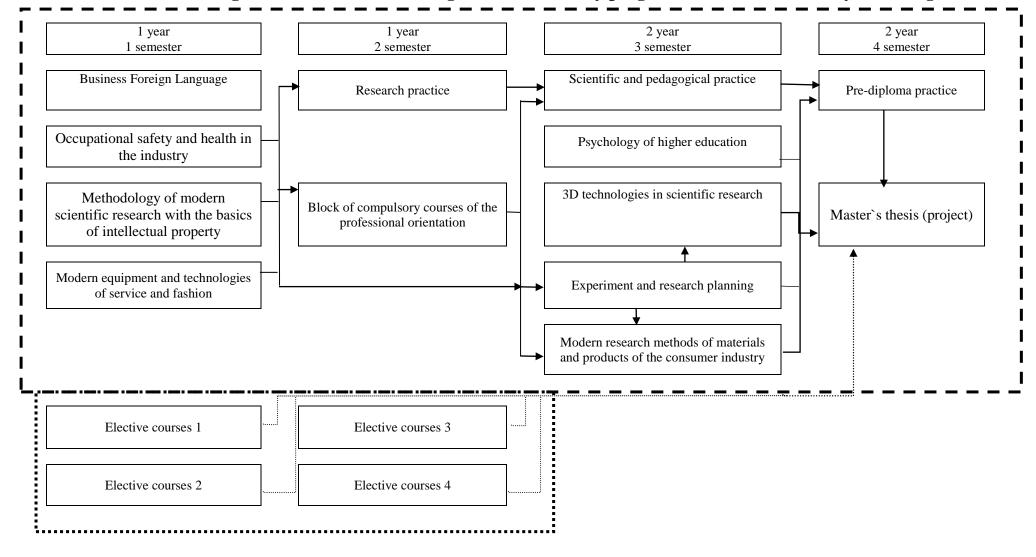
Forming	reasoning:									
PLO 14	to commu	nicate own conclusions, research and innovation results to specialists and								
	non-specia	lists, in particular to colleagues, business partners, and students, to argue								
	own positi	on clearly and unambiguous.								
PLO 15	to evaluate	e objectively the quality and efficiency of own work, the work of own and								
	other team	other teams.								
PLO 16	to find the	to find the necessary information in the scientific literature, patents, databases, other								
		o evaluate, process, and critically analyze it for the development and								
		implementation of scientific and innovative projects.								
PLO 17		and the broad interdisciplinary context of textile and consumer industries								
		es, take into account legal, economic, social, ethical, environmental aspects								
	in solving	complex scientific, engineering, and manufacturing problems and making								
		e decisions.								
PLO 18	-	the development of technologies and manufacturing, market conditions in								
	the textile	and consumer industries.								
		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 professional								
		with experience in research / management / innovation / creative work in								
		the consumer industry field are involved in the training.								
Logistics	3	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								
T 0		regulations.								
Informat		The program is fully provided with an educational and methodical								
methodic	cal	complex of all courses, which availability is presented in the modular								
support		environment of the educational process of the University.								
N-4:1	1:4	9 – Academic mobility The program provides the possibility for academic mobility in some								
National	credit	components provided the acquisition of general and / or professional								
mobility										
Internati	ional	competencies. The program develops prospects for internships and participation in								
credit me		research projects and academic mobility programs abroad.								
Studying		Studying of foreign students is according to accredited programs.								
foreign s		Studying of foreign students is according to accredited programs.								
Tor eight S	iuuciiis									

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

(master's) level of nigher education	1	
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 01	Business Foreign Language (english, german, france)	3	credit
CC 02	Occupational safety and health in the industry	3	exam
CC 03	Methodology of modern scientific research with the	3	exam
	basics of intellectual property		
	Total for the cycle	9	
	Professional courses cycle	•	
CC 04	Psychology of higher education	6	exam
CC 05	Modern equipment and technologies of service and	3	credit
	fashion		
CC 06	3D technologies in scientific research	6	credit
CC 07	Experiment and research planning	6	exam
CC 08	Modern research methods of materials and products of	6	exam
	the consumer industry		
	Block 1 of professional orientation "Fashion Ind	ustry"	
CC 13.1	Commercial modeling of fashion industry products	6	exam
CC 14.1	Marketing, design, and manufacture of the fashion	3	exam
	<u>industry products</u>		
CC 15.1	Spatial design of fashion industry products	3	exam
	Block 2 of professional orientation "Knitwear Technolog	y and Design	"
CC 13.2	Manufacture design in the knitting industry	6	exam
CC 14.2	Computer technologies in knitwear manufacture	6	exam
	Block 3 of professional orientation "Footwear and Haberd	ashery Desigr	<u>ı" </u>
CC 13.3	Commercial modeling and design of shoes, accessories based on spatial design	6	exam
CC 14.3	Innovative technologies at the footwear and leather	3	exam
	<u>haberdashery enterprises</u>		
CC 15.3	Computer technologies in the design and manufacture of	3	exam
	<u>leather products</u>		
	lock 4 of professional orientation "Design and Technology o	f Sewing Proc	lucts "
CC 13.4	<u>Competitiveness of garments</u>	3	exam
CC 14.4	Verification of conformity in the garment industry	3	exam
CC 15.4	Methodology of labor processes analysis for garment production	3	exam
CC 16.4	Special technologies for garments manufacturing from the advanced materials	3	exam
	Block 5 of professional orientation " Technologies and Design	n of Fur Produ	ıcts»
CC 13.5	Competitiveness of garments	3	exam
CC 14.5	Innovative technologies for manufacture leather and fur products	3	exam
CC 15.5	Technical design of leather and fur garments	3	exam
CC 16.5	Special technologies for manufacturing leather and fur garments	3	exam
Block 6 of	professional orientation "Styling, Design and Decoration of a	consumer indi	ustry producte"
PIOCK O OI	Professional orientation Styring, Design and Decoration or	consumer mu	asary products

Cod	Components of the study program (study courses, courses projects (works), practices, qualification work)	Number of credits	Form of control		
1	2	3	4		
CC 13.6	Advanced technologies of design and artistic decoration	6	exam		
	of products				
CC 14.6	Advanced methods for clothing design	3	exam		
CC 15.6	System-structural design of products for various purposes	3	exam		
	Total for the cycle	45			
	Practical training				
CC 9	Research practice	6	credit		
CC 10	Scientific and pedagogical practice	6	credit		
CC 11	Pre-diploma practice	9 credit			
CC 12	Master`s thesis (project)	21	attestation		
	Total for the cycle	42			
	Total credits for Compulsory components	9	96		
	Elective components				
EC	Courses for student's choice	24	credit		
	TOTAL CREDITS		120		

2.2. Structural and logical scheme of master's degree scientific study program « Consumer industry technologies »



3. Attestation

Form of attestation	attestation is through the public defense of the master's thesis.
Document of higher	Master's diploma with educational qualification: master's degree
education	in the consumer industry technologies (educational program
	"Consumer industry technologies")

$\begin{tabular}{ll} \bf 4. & Matrix\ of\ correspondence\ of\ program\ competencies\ to\ components\ (CC)\ of\ the\ scientific\ study\ program \\ \end{tabular}$

	GC 1	GC 2	GC3	GC 4	GC 5	GC 6	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12
CC 1			•	•			I				I							•
CC 2									•	•								
CC 3	•	•					•	•			•					•	•	
CC 4				•	•					•				•				
CC 5	•						•					•						
CC 6							•				•				•			
CC 7						•							•		•		•	
CC 8						•							•		•			
CC 13.1	•	•		•	•		•	•		•		•						
CC 14.1	•	•			•		•	•		•		•						
CC 15.1	•	•		•	•		•	•			•							
CC 13.2	•	•					•			•		•						
CC 14.2	•						•				•	•						
CC 13.3	•	•		•	•		•	•		•		•						
CC 14.3	•						•			•								
CC 15.3	•	•			•		•	•			•	•			•			
CC 13.4							•					•			•			
CC 14.4	•						•		•									
CC 12.4							•					•	•					
CC 15.4							•	•				•						
CC 13.5							•				•	•		•	•			
CC 14.5							•	•		•								
CC 15.5							•	•				•						
CC 16.5							•	•				•						
CC 13.6	•						•			•		•						
CC 14.6	•						•	•			•	•						
CC 15.6				•	•		•	•				•		•				
CC 9	•				•			•		•					•	•		
CC 10		•		•										•				•
CC 11	•				•					•					•	•		•
CC 12	•	•			_	_	•	_	_	•		•		_				

5. Matrix for providing program learning outcomes (PLO) with relevant components (CC) of the scientific study program

	components (CC) of the scientific study program													-				
	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO8	PLO 9	PLO 10	PLO 11	PLO 12	PLO 13	PLO 14	PLO 15	PLO 16	PLO 17	PLO 18
CC 1						•				•				•				
CC 2		•							•			•					•	
CC 3			•		•		•	•		•						•		•
CC 4									•	•			•	•				
CC 5	•						•			•					•	•		•
CC 6	•						•	•		•								
CC 7				•				•			•							
CC 8				•	•			•		•								
CC 13.1	•		•				•							•	•	•		•
CC 14.1	•				•		•							•		•	•	•
CC 15.1	•						•				•				•			
CC 13.2	•						•			•	•				•		•	•
CC 14.2	•						•			•								•
CC 13.3	•		•				•							•	•	•		•
CC 14.3	•						•										•	•
CC 15.3	•						•			•	•				•			
CC 13.4	•				•			•										
CC 14.4	•				•		•	•	•									
CC 12.4	•				•			•			•							
CC 15.4	•						•				•					•		
CC 13.5	•				•			•			•							•
CC 14.5	•						•		•					•	•	•		
CC 15.5	•						•				•					•		
CC 16.5	•						•				•					•		
CC 13.6	•						•			•				•				•
CC 14.6	•						•	•									•	•
CC 15.6	•						•				•			•		•		
CC 9	•				•		•	•	•		•	•		•		•	•	
CC 10						•							•	•				
CC 11							•			•	•	•		•	•	•	•	•
CC 12							•			•	•			•	•	•	•	•