# MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

## **Kyiv National University of Trade and Economics**

### EDUCATIONAL-PROFESSIONAL PROGRAMME

"Commodity Science and Organization of Foreign Trade"

The first level of higher education

Specialty 076 Entrepreneurship, trade and stock exchange activity Sphere of knowledge 07 Management and Administration

Qualification: higher education level bachelor specialty "Entrepreneurship, trade and stock exchange activity" specialization "Commodity Science and Organization of Foreign Trade"

### 1. The educational program profile on 076 specialty "Entrepreneurship, trade and stock exchange activity" (specialization "Commodity Science and Organization of Foreign Trade")

1 – General information			
Full name of IHE	Kyiv National University of Trade and Economics		
and structural unit	Department of Commodity Science and Customs		
Level of higher	Level of higher education «Bachelor»		
education and	specialty "Entrepreneurship, trade and stock exchange		
qualification name	activity"		
in the original	specialization "Commodity Science and Organization of		
language	Foreign Trade"		
Educational	"Commodity Science and Organization of Foreign Trade"		
program official			
name			
Diploma type and	D 1 1 D 1 1 240 FGTG 11		
volume of the	Bachelor Diploma single, 240 ECTS credits,		
program	training period 3 years 10 months		
Accreditation	Ministry of Education and Science of Ukraine, Ukraine,		
recreatation	Certificate on Accreditation ND No1196398 from		
	21.11.2017 valid to 01.07.2024		
Cycle\Level	NQF of Ukraine – 7 level, FQ-EHEA – the first cycle,		
	EQF-LLL – 6 level		
Preconditions	Comprehensive General Secondary Education / Junior		
	Specialist Degree		
Language(s) of	Ukrainian		
instruction			
<b>Duration period</b>	Valid up to 01.07.2024		
Educational	https://knute.edu.ua		
Program Link	•		
2 – Educational program aim			

Formation and development of general competence and professional competence in the field of entrepreneurship, trade and stock exchange activity aimed at obtaining professional training at the up-to-date level needed by a student for further employment and self-realization in society.

A graduate must possess knowledge in the field of entrepreneurship, trade and stock exchange activity, practical competence and skills, needed to develop assortment and goods quality control, the organization of foreign trade of goods at an enterprise.

3 – Educational program characteristics					
Subject area (sphere	Sphere of knowledge 07 Management and administration,				
of knowledge,	specialty 076 "Entrepreneurship, trade and stock exchange				
speciality, and	activity" specialization "Commodity Science and				
specialization)	Organization of Foreign Trade"				
	The volume of compulsory modules – 75%,: subjects of				
	general training – 27,5%, professional training – 63,3%,				
	practical training – 7,5%, foreign language learning –				
	11,7%. Subjects of student's free choice – 25%, among				
	them those that expand: general competence - 50%,				
	professional competence – 50%.				
Educational	Educational-Professional Program				
program orientation					
Main focus of the	General education in the field Management and				
educational	administration specialty "Entrepreneurship, trade and stock				
program and	exchange activity" specialization "Commodity Science and				
specialization	Organization of Foreign Trade"				
	Key words: entrepreneurship, trade, stock exchange				
	activity, commodity science, foreign trade				
E4	The magazine curates conditions for the anadystes to be				
Features of the	The program creates conditions for the graduates to be employed at the enterprises and organizations, which				
program	perform foreign economic activity; also, it allows to				
	develop scientific and practical activities in the field of				
	management and administration. It is fulfilled within active research environment. Moreover, it allows students to				
	continue their studying abroad on related specialties.				
	continue their studying abroad on related speciatites.				
4 – Gr	aduate employability and further learning				
Employability	A graduate can hold the first positions as well as the				
	positions of a deputy according to the professional titles of				
	work, which is a part of the following qualification groups:				
	Merchandiser,				
	Sales Manager,				
	Inspector-merchandiser/ trade inspector,				
	Trade broker,				
	Dealer (trade),				
	Commercial agent/ trade agent,				
	Inspector on labour safety and goods quality control				
	, On a man 1 mm and a man				

Further learning	The possibility to study by the programme of the second (master) cycle of higher education by educational-professional program.				
	5 – Training and assessment				
Teaching and	Student-centered education, problem-oriented education,				
learning	education through practical training and self-education. Education methods system is based upon the principles of purposefulness, binarity – active direct participation of both a lecturer and a student. Training is done via lectures, practical lessons, workshops, laboratory work in small groups, consultations by lecturers.				
Assessment	Oral test, test control, individual tasks, term essays/projects, practices, written exams. Final control – to pass a qualification exam.				
	6 – Program competence				
Integral	The ability to solve complex specialized tasks and practical				
competence(IC)	problems in the sphere of entrepreneurship, trade and stock exchange activity on practice or during the education process that implies to use specific theories and methods of correspondent sciences, as well as it is characterized by complexity and ambiguity of conditions.				
General competence(GC)	GC 1 The ability to abstract thinking, analysis and synthesis.  Здатність до абстрактного мислення, аналізу та синтезу.				
	GC 2 The ability to employ the knowledge received in practical situations.  3датність застосовувати отримані знання в практичних ситуаціях, виявляти, ставити та вирішувати завдання у сфері професійної діяльності.				
	GC 3 The ability to communicate orally and in writing using the national language Здатність спілкуватися державною та іноземною мовами у професійній сфері.				
	GC 4 The ability to communicate using a foreign				

		language Навички використання інформаційних і			
		комунікаційних технологій.			
	GC 5	The skills to employ information and			
		communication technologies. Здатність до пошуку,			
		обробления та аналізу інформації з різних			
		джерел.			
	GC 6	The ability to search, process and analyze			
		information from different sources.			
		Здатність працювати автономно та в команді,			
		навички міжособистісної взасмодії.			
	GC 7	The ability to work in a team. Здатність виявляти			
	220	ініціативу та підприємливість.			
	GC 8	The ability to demonstrate the initiative and			
		entrepreneurial skills. Здатність ініціювати заходи			
		щодо эбереження навколишнього природного			
	CCA	середовища та здійснення безпечної діяльності.			
	GC 9	The desire to save natural environment. Здатність			
	CC	діяти відновідально та свідомо.			
	GC_	The ability to act consciously and with			
	<u>10</u>	responsibility.			
	GC <u>11</u>	The ability to implement own rights and duties as a			
		member of society, realize the values of the civil (free democratic) society and the necessity its			
		continuing growth, supremacy of the law, rights and			
		liberties of a citizen in Ukraine.			
		moetties of a citizen in Oxidine.			
	GC <u>12</u>	The ability to preserve and increase moral, cultural,			
	00 <u>12</u>	scientific values and achievements of the society on			
		the base of understanding the history and			
		regularities of the subject area development, its			
		place within the general system of knowledge about			
		nature and society as well as within the			
		development of society, technology and technics, to			
		use different types and forms of motion activity to			
		rest actively and keep a healthy lifestyle.			
Professional	PC 1	Critical comprehension of theoretical principles in			
Competence (PC)		the sphere of entrepreneurship, trade and stock			
		exchange activity.			
		Знання і розуміння теоретичних засад			
		підприємницької, торговельної та біржової			
		діяльності.			
	PC 2	*			
		methods, tools to justify the decisions concerning			
	PC 2	The ability to choose and employ therelevant			

	the setting-up, functioning of entrepreneurial, trade		
	and stock exchange organizations.		
	Здатність обирати та використовувати		
	відповідні методи, інструментарій для		
	обгрунтувания рішень щодо створення,		
	функціонування підприємницьких,		
	торговельних і біржових структур.		
PC 3			
PC 3	The ability to perform activities in the form of		
	market relations entities' interaction.		
	Розуміння форм взасмодії суб'єктів ринкових		
	відносин.		
PC 4	The ability to employ innovative approaches in the		
	entrepreneurial, trade and stock exchange		
	organizations' activities.		
	Здатність застосовувати інноваційні підходи в		
	діяльності підприсміницьких, торговельних та		
	біржових структур.		
PC 5	The ability to determine and assess goods and		
	services characteristics in the field of		
	entrepreneurial, trade and stock exchange		
	activities.		
	здатність визначати та оцінювати		
	характеристики товарів і послуг в		
	<del>підприємницькій, торговельній, біржовій</del>		
	діяльності.		
PC 6	The ability to perform activities in accordance with		
	the requirements of normative legal instruments in		
	the sphere of entrepreneurial, trade and stock		
	exchange activities.		
	Знання і розуміння нормативно правового		
	регулювання у сфері підприємницької,		
	торговельної та біржової діяльності.		
PC 7	The ability to define and fulfil professional		
	assignments on organizing the entrepreneurial, trade		
	and stock exchange structures' activities.		
	Здатність визначати і виконувати професійні		
	завдання з організації діяльності		
	підприємницьких, торговельних та біржових		
	структур.		
PC 8	The ability to employ the fundamentals of		
100	accounting and taxation in entrepreneurial, trade		
	and stock exchange activities.		
	and stock exchange activities.		

	Знання і розуміння основ обліку та			
	оподаткування в підприємницькій, торговельній,			
	біржовій діяльності.			
PC 9	The ability to organize the foreign economic			
	activity of entrepreneurial, trade and stock exchange			
	structures.			
	Знання та розуміння організації			
	зовнінньоекономічної діяльності			
	підприємницьких і торговельних структур.			
PC10	The ability to business-planning, evaluation of the			
1010	current situation on the market and the activities			
	results of the entrepreneurial, trade and stock			
	exchange practice including risks.			
	exchange practice including risks.			
	2			
	Здатність до бізнес-планування, оцінювання			
	кон'юнктури ринків і результатів діяльності у			
	ефері підприємництва і торгівлі з урахуванням			
DC.	physicia.			
PC	The ability to analyze the infrastructure, state and			
11	trends of the goods market development in Ukraine			
	and abroad.			
PC	The ability to substantiate the choice of the indices			
12	range to assess the quality and competitive ability			
	of goods.			
PC	The ability to employ informational data bases for			
13	making operational decisions at an			
	enterprise/organization/institution.			
PC	The ability to form and perform an effective			
14	purchasing activity on logistic base, using the forms			
	and methods of international payment.			
PC	The ability to prepare documents for foreign trade			
15	operations, control of the contracts, agreements			
	fulfilment.			
PC	Knowledge of the goods different categories			
16	peculiarities, which are used in foreign trade, the			
	ability to determine the code of goods in accordance			
	with UKTZED.			

	PC 17	The ability to define the totality of customs formalities while transferring goods across the customs borders.
	PC 18	The ability to perform the enterprise and personnel's effective management
7	_ Progr	ram learning outcomes (PLO)
		To employ basic knowledge on entrepreneurship, trade and stock exchange activity as well as critical thinking, analysis, synthesis in professional purposes.
	PLO 2	To employ the knowledge acquired to discover, state and solve assignments within different practical situations in the field of entrepreneurial, trade and stock exchange activity.
	PLO 3	To acquire the skills of written and oral professional communication by both the national and foreign languages.
	PLO 4	To employ the state-of-the-art computer and telecommunication technologies of exchanging and distributing the information of professional purposes in the sphere of entrepreneurship, trade and stock exchange activity.
	PLO 5	To organize the search, independent selection, quality processing of information from different sources to form data bases in the sphere of entrepreneurship, trade and stock exchange activity.
		and in a team, have the skills of interpersonal interaction, which allow to achieve professional services, be initiative and have entrepreneurial sense in different spheres of professional activities.
	PLO 7	To employ the knowledge and skills acquired to

	push forward and put into practice the assignments in the sphere of environmental protection and to perform safe functioning of entrepreneurial, trade and stock exchange structures.
PLO 8	To know terminology and possess basic and well-structured knowledge in the sphere of entrepreneurship, trade and stock exchange activities for further implementation into practice.
PLO 9	To know methods and tools to substantiate the effective managerial decisions concerning establishing and functioning entrepreneurial, trade and stock exchange structures.
PLO 10	To employ the knowledge of the market relations entities' interaction methods for the entrepreneurial, trade and stock exchange structures functioning.
PLO 11	To employ innovative approaches within entrepreneurial, trade and stock exchange activities.
PLO 12	To know the fundamentals of legal and regulatory support for the entrepreneurial, trade and stock exchange structures functioning.
PLO 13	To be able to perform professional tasks on managing the entrepreneurial, trade and stock exchange structures functioning and solve problems in critical situations considering external and internal influence.
PLO 14	To employ the knowledge of essential accounting and taxation in entrepreneurial, trade and stock exchange activities.
PLO 15	To implement the knowledge and skills concerning the effective organization of foreign economic activity of entrepreneurial, trade and stock exchange

	structures taking into consideration the market conditions and current legal norms.
PLO 16	To demonstrate the abilities of business-planning, the assessment of the market conditions and entrepreneurial, trade and stock exchange structures' functioning including risks.
PLO 17	To employ knowledge, abilities and skills in the field of natural-scientific subjects for the theoretical study of general-professional subjects and solving practical assignments on Commodity Science.
PLO 18	The ability to evaluate the influence of raw and technological factors on the finished goods consumer properties .
PLO 19	To measure the goods safety and quality in accordance with the current legislation within national and international levels.
PLO 20	To be able to substantiate the goods range optimal structure at manufacturing and trade enterprises according to the consumers' needs and commodities competitiveness.
PLO 21	To be able to solve complex unpredictable tasks and problems of organizing the foreign trade that anticipates collecting and interpreting the data, the methods and tools choice.
PLO 22	To perform the economic substantiation of contractors and distribution channels choice, offer the methods to increase the effectiveness of foreign trade operations.
PLO 23	To be able to set up the merchandise delivery logistic channels and make professional decisions in the sphere of international commodity circulation.
PLO	To be able to define the product code in accordance

	24	with UKTZED.		
	PLO	To be able to declare goods and guarantee customs		
	25 procedures fulfilment to perform foreign econom			
		activity.		
8 – Res	ource si	upport for program implementation		
Staff support				
	The a	cademic staff that provide education-professional		
	progra	m on qualification, correspond to the profile and		
	course	of disciplines which are taught, also they have the		
	require	ed pedagogical and practical work experience.		
	Profess	sionals with research, managerial, innovative,		
	creativ	e work experience as well as foreign lecturers are		
		ed in the educational process organization.		
		-		
Material and	Traini	ng premises, computer workplaces, multimedia		
technical support	classro	oms allow to ensure the educational process during		
	the wh	ole cycle of training along the educational program.		
Information and	Official website <a href="https://knute.edu.ua/">https://knute.edu.ua/</a> contains information			
educational-	about educational programs, instructional, pedagogic and			
methodical support	scienti	fic activities, structural divisions, enrolment rules,		
	contacts.			
	Materials of educational program's training-methodical			
		on are presented in the Laboratory of distant learning		
	KNUT	E: http://ldn.knute.edu.ua/.		
	All res	sources of scientific-technical library are available in:		
		ib.knteu.kiev.ua/.		
		orary fund comprises almost 1.5 bln. copies.		
		orary hall has Wi-Fi.		
	9	9 – Academic mobility		
National credit		general base within Ukraine. Short-term education of		
mobility		ts at other higher education establishments according		
	to the	specific educational components that guarantee the		
	genera	l or professional competence acquisition.		
		-		
International credit	The po	ossibility to acquire higher education at the higher		
mobility		ional establishments abroad within the agreements		
-				

	concluded:  1. Mutual educational programs: The University of Clermont – Auvergne, Grenoble Alpes University (Grenoble); Paris Est Créteil University (Paris); Audencia Business School (Nantes); ESCP Europe (Paris); University Paris-Est Creteil; The University of Central Lancashire, the University Hohenheim Germany.  2. Studying during a term at the following higher educational establishments: Krakow Economic University, Poznan Economic University, Wrocław Economic University (Poland).
Training of overseas students	It is possible in conditions of: - knowledge of the Ukrainian language; - having the certificate of comprehensive general secondary education/junior specialist degree, adopted by the Ministry of Education and Science of Ukraine.

## 2. List of educational program components and their logic sequence 2.1. List of components of EP

	Components of educational program		
	(academic disciplines, term projects	Amount	Forms of
Code	(papers), placement, qualification exam,	of	final
	final qualification work)	credits	control
1	2	3	4
	Compulsory components of EP		
	<del>Цикл загальної підготовки</del>		
CC 1	Foreign language for specific purposes	21	E/w
CC 2	Philosophy	6	E/w
CC 3	Jurisprudence	6	E/w
CC 4	Economic Cybernetics	6	E/w
CC 5	Economic Theory	6	E/w
CC 6	Life safety	4,5	E/w
	<b>Цикл професійної підготовки</b>		
CC 7	Trade entrepreneurship	6	E/w
CC 8	Materials science and fundamentals of	6	E/w
	manufacturing products technology		
CC 9	Stock Exchange Trade	6	E/w
CC 10	Economics of Trade	6	E/w
CC 11	Organization of Trade	6	E/w
CC 12	An Enterprise Foreign Economic Activity	6	E/w

Отформатированная таблица

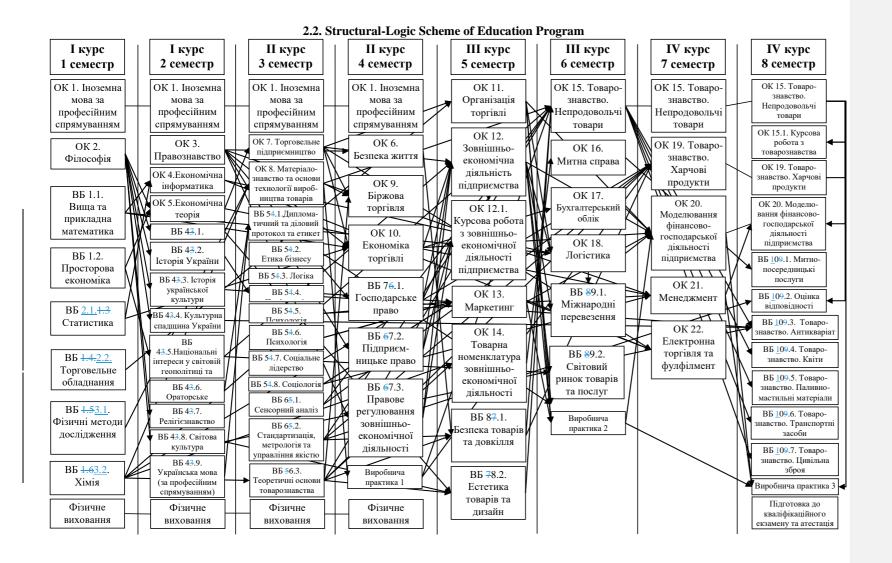
CC 12.1	Test on an Enterprise Foreign Economic Activity		
CC 13	Marketing	6	E/w
CC 14	The commodity nomenclature of foreign economic activity	6	E/w
CC 15	Commodity Science. Non-food goods	15	E/w
CC 15.1	Test on Commodity Science	-	
CC 16	Customs	6	E/w
CC 17	Accounting	6	E/w
CC 18	Logistics	6	E/w
CC 19	Commodity Science. Food products	12	E/w
CC 20		9	E/w E/w
	Modelling of an enterprise financial-economic activity	9	E/W
CC 21	Management	6	E/w
CC 22	Electronic trade and fulfilment	6	Е/п
	Physical education	_	Credit
	<del>Практична підготовка</del>		
	Всього,	<del>13,5</del>	
	<del>у т.ч. виробнича практика 1</del>	4,5	3
	<del>виробнича практика 2</del>	4, <del>5</del> 3	3
	виробнича практика 3	6	3
	<del>Атестація</del>		
	Підготовка до кваліфікаційного екзамену та	3	
	атестація		
Total an	nount of compulsory components:	163,5	1
	Optional components of EP		
OP 1.1	Higher and applied mathematics	6	E/w
OP 1.2	Spatial Economics	6	E/w
OP <del>1.3</del> 2.1	Statistics	6	E/w
OP 1.42.2	Trading equipment	6	E/w
OP <del>1.5</del> 3.1	Physical methods of investigation	6	E/w
OP 1.63.2	Chemistry	6	E/w
OP 3.14.1	Esthetics	6	E/w
OP 34.2	History of Ukraine	6	E/w
OP 34.3	History of Ukrainian Culture	6	E/w

 Отформатированная таблица
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OP	Cultural heritage of Ukraine	6	E/w
34.4			
OP	National Interests in the World's geopolitics and	6	E/w
<del>3</del> 4.5	geoeconomics		
OP	Elecution	6	E/w
<del>3</del> 4.6	Elocution		
OP	Religious Studies	6	E/w
34.7 OP		6	E/w
34.8	World Culture	U	L/W
OP	The I Illuminian language for an aidin annuan	6	E/w
<del>3</del> 4.9	The Ukrainian language for specific purposes		
OP	Diplomatic and Business Protocol and Etiquette	6	E/w
45.1		6	E/w
OP 45.2	Business Ethics	υ	E/W
OP	T .	6	E/w
45.3	Logic		
OP	Polytology	6	Е/п
45.4	1 02,0000 8,000		T:/
OP 45.5	Psychology	6	E/w
OP	1 sychology	6	E/w
<del>4</del> 5.6	Trade Psychology		
OP		6	E/w
45.7	Social Leadership		E/
OP 45.8	Sociology	6	E/w
OP		6	E/w
<del>5</del> 6.1	Sensory analysis	0	<b>1</b> / <b>VV</b>
OP	Standardizing, metrology and quality	6	E/w
<del>5</del> 6.2	management		<b></b>
OP	Commodity Science theoretical fundamentals	6	E/w
56.3 OP		6	E/w
67.1	Economic Law	U	L/W
OP		6	E/w
<del>6</del> 7.2	Entrepreneurial Law		
OP	Legal regulation pf foreign economic activity	6	E/w
67.3 OP		6	E/w
78.1	Safety of goods and environment	0	E/W
OP	Salety of goods and environment	6	E/w
<del>7</del> 8.2	Goods esthetics and design		

OP		6	E/w
<del>8</del> 9.1	International shipment	U	L/ W
OP		6	E/w
98.2	World market of goods and services		
OP	Customs-intermediary services	6	E/w
<u>1</u> 0 <del>9</del> .1	Customs-intermediary services		
OP	Valuation of correspondence	6	E/w
<u>1</u> 09.2	variation of correspondence		
OP	Commodity Science. Antiques	6	E/w
<u>1</u> 09.3	Commodity Stronger I maques	_	
OP	Commodity Science. Flowers	6	E/w
<u>1</u> 09.4	·		
OP	Commodity Science. Combustibles and	6	E/w
<u>1</u> 09.5	lubricants	_	
OP	Commodity Science. Means of transport	6	E/w
<u>1</u> 09.6	, 1		<b></b>
OP	Commodity Science. Civil weapon	6	E/w
<u>1</u> 09.7			
Total	volume of optional components:	60	
	Duastical training		
	Practical training	1.5	C
	Industrial placement 1	4,5	C
	Industrial placement 2	3	С
	Industrial placement 3	6	С
	Total	<u>13,5</u>	
	Attestation	,	
	Preparation for qualification exam and attestation	<u>3</u>	
Total vo	lume of educational program	240	

Отформатированная таблица



#### 3. Attestation form of candidates of higher education

Attestation of the graduates of educational programme of Specialty 076 "Entrepreneurship, trade and stock exchange activity" is conducted in the form of a qualification exam and finished by giving out the document of a standard form about conferment of a Bachelor degree with awarding the qualification: higher educational level "Bachelor" specialty "Entrepreneurship, trade and stock exchange activity" specialization "Commodity Science and Organization of Foreign Trade".

Attestation is open and public.

### 4. Matrix of correspondence of program competence to EP components

	CC1	CC2	CC 3	CC4	CC5	CC6	CC7	CC 8	CC 0	CC 10	CC 11	CC 12	CC 12 1	CC 13	CC 14	CC 15	CC15.1	CC16	CC17	CC18	CC10	CC20	CC21	CC22	Physical education
GC 1	CCI		CC 3	CCŦ		CCU	CCI	CC 0	CC /	CC 10	CC 11	CC 12		CC 13	CC 14	CC 13		CC10	CCI7	CC10	CCI	CC20	CC21	CC22	1 Hysical education
		<u>+</u> +			<u>+</u> +								+				+								
GC 2													+				+					<u>+</u> +		+	*
GC 3	+												+				+								*
GC 4	<u>+</u>			+										+								+	+	+	•
GC 5				+										+								++		<u>+</u> +	•
GC 6							+							+								<u>+</u> +	+	+	*
GC 7							+			+				+								<u>+</u> +		+	+
GC 8						+	±			+				<u>+</u>								<u>+</u>		±	*
GC 9		+	+			<u>+</u> +																+	+		4
GC <u>10</u>		<u>±</u>	<u>±</u>				±															<u>±</u>	±.		4
CC_11		+	+																						•
CC 12		+						+																	+ •
PC 1					<u>+</u> +		<u>+</u> +		<u>+</u> +	<u>+</u> +	<u>+</u> +	<u>+</u> +	+	<u>±</u> +					<u>+</u> +	<u>+</u> +					4
PC 2							<u>+</u> +		±+	±+	<u>+</u> +	++	+	<u>+</u> +								<u>+</u> +	±+	±+	*
PC 3					++		++		++			++		++											*
PC 4									++					++						<u>+</u> +					*
PC 5								<u>+</u> +								<u>+</u> +	+				<u>+</u> +	<u>+</u> +			*
PC 6			<u>+</u> +			±+	<u>+</u> +		±+		<u>±</u> +	±+			<u>+</u> +	++		++	±+		±+	++	±+	<u>+</u> +	*
PC 7							++		++		++	++		++						++		++	++	++	*
PC 8										±+		±+							±+			±+		++	*
PC 9												++										++			4

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PC 10				<u>+</u> +	<u>+</u> +	<u>+</u> +	<u>+</u> +	+								<u>±</u> +		<u>+</u> +	4
PC 11									<u>+</u> +		<u>+</u> +	+			<u>+</u> +				•
PC 12									<u>+</u> +		<u>+</u> +	+			<u>+</u> +				4
PC 13		<u>+</u> +			+	<u>+</u> +	<u>+</u> +		<u>+</u> +	<u>+</u> +				<u>+</u> +		<u>+</u> +		<u>+</u> +	4
PC 14							<u>+</u> +							<u>+</u> +					4
PC 15							<u>+</u> +									<u>+</u> +			•
PC 16										<u>+</u> +		+							4
PC 17													<u>+</u> +						•
PC 18																	<u>+</u> +		•

	OP1.1	OP 1.2	OP <del>1.3</del> 2.1	OP <del>1.4</del> 2.2	OP <del>15</del> 3.1	OP <del>1.6</del> 3.2	OP 34.1	OP34.2	OP <del>3</del> 4.3	OP <del>3</del> 4.4	OP 34.5	OP <del>3</del> 4.6	OP 34.7	OP <del>3</del> 4.8	OP <del>3</del> 4.9	OP 45.1	OP 45.2	OP 45.3	OP 45.4	OP 45.5	OP 45.6	OP 45.7	OP 45.8	OP <del>≶</del> 6.1	OP 56.2	OP\$6.3	OP 67.1	OP 67.2	OP 67.3	OP 78.1	OP <del>7</del> 8.2	OP 89.1	OP 89.2	OP 910.1	OP 910.2	OP 910.3	OP 910.4	OP 910.5	OP 910.6	OP 910.7
GC 1	±+		±+		+	+	+	<u>+</u> +	+	+	<u>+</u> +		+	+				<u>+</u> +	±+	<u>+</u> +			<u>+</u> +																	
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GC_11											±								±			±.																		
GC 12					±	<u>+</u>	±	<u>+</u>	+	<u>+</u>			<u>+</u>	<u>+</u>			+1																							
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### 5. Matrix for providing program learning outcomes (PLO) with relevant components of the educational program

	CC1	CC2	CC3	CC4	CCS	CC6	CC7	CC8	CC9	CC10	CC11	CC12	CC12.1	CC13	CC14	CC15	CC15.1	CC16	CC17	CC18	CC19	CC20	CC21	CC22	Physical Education
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							+		+		+	+		+						+		+	+	+	
PLO 14										+									+			+			
PLO 15												+		+								+			
PLO 16							+			+			+									+			
PLO 17								+								+					+				
PLO 18								+								+	+				+				
PLO 19																+	+				+	+			
PLO 20																	+								
PLO 21												+	+									+			ļ
PLO 22												+	+	+						+		+			
PLO 23																				+					
PLO 24															+										
PLO 25																		+							

	op 1.1	OP1.2	OP 4.32.1	OP 4.42.2	OP <del>1.5</del> 3.1	OP <del>1.6</del> 3.2	OP 34.1	OP 34.2	OP34.3	OP34.4	OP 34.5	OP 34.6	OP 34.7	OP 34.8	OP 34.9	OP 45.1	OP 45.2	OP 45.3	OP 45.4	OP 45.5	OP 45.6	OP 45.7	OP 45.8	OP\$6.1	OP <del>≤</del> 6.2	OP <del>≤</del> 6.3	OP67.1	OP 67.2	OP 67.3	OP 78.1	OP 78.2	OP <b>89</b> .1	OP 89.2	OP910.1	OP <u>91</u> 0.2	OP910.3	OP <u>91</u> 0.4	OP <u>91</u> 0.5	OP910.6	OP <u>91</u> 0.7
PLO 1		+					+	+		+	+		+	+				+	+																					
PLO 2	+		+	+					+		+	+				+	+					+																		
PLO 3												+			+	+																								
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PLO 9	+		+																				+																	
PLO 10		+																																						
PLO 11																																								
PLO 12																									+		+	+	+						+					
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PLO 18																										+										+	+	+	+	+
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