MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE KYIV NATIONAL UNIVERSITY OF TRADE AND ECONOMICS

EDUCATIONAL - PROFESSIONAL PROGRAM

«BANKING»

The first level of higher education in specialty 072 Finance, Banking and Insurance branch of Knowledge 07 Management and Administration

Qualifications: degree of higher education bachelor specialty ''Finance, Banking and Insurance'' specialization ''Banking''

APPROVED BY ACADEMIC SENATE OF KNUTE

Rector	/ A.A. Mazaraki/
	.

(protocol №___dated «___»____2019)

The educational program will be operational from

____2019

Rector _____ / A.A. Mazaraki/

(order №____ dated «____»____2019)

Kyiv 2019

PREFACE

Developed by a working group consisting of:

1.Plisak T.O.project team leader,

Candidate of Economic Sciences, Associate Professor,

Associate Professor at the Department of Banking

2. Shulga N.P. Doctor of Economics, professor,

Head of the Department of Banking

- Kirieieva K.O. Candidate of Economic Sciences, Associate Professor, Associate Professor at the Department of Banking
- 4. Netrebchuk L.O. Senior Lecturer at the Department of Banking
- 5. Lupin O.B. Candidate of Economic Sciences, Head of Operations
 Department at the Financial Markets of the Open
 Markets Department of the NBU
- 6. Driuk A.V. student, member of the CSS FFB
- 7. Siomash A.V. Head of the CSS FFB

Reviews-opinions of external stakeholders:

1. Pliusnina T.M., Director of the Personnel Department of PJSC "Raiffeisen Bank Aval".

2. Bogatykh I.V., Head of the Apparatus of the Independent Association of Ukrainian Banks.

1. Profile of the educational program in the specialty 072 «Finance, Banking and Insurance» (on specialization «Banking»)

	1 – General information
Full name of IHE and structural subdivision	Kyiv National University of Trade and Economics,
SH UCTUFAL SUDUIVISION	Faculty of finance and banking,
	Department of Banking
The degree of higher	The degree of higher education bachelor
education and the	specialty «Finance, Banking and Insurance»
name of the qualification in the	specialization «Banking»
language of the	
original	
The official name of	«Banking»
the educational	
program Type of diploma and	Bachelor's degree, unitary, 240 ECTS credits, term of training 3 years
the volume of the	and 10 months
educational program	
Availability of	Accredited, Accreditation Commission of Ukraine, Ukraine
accreditation	until 01.07.2019
Cycle / Level	NQF of Ukraine – 7th level,
	FQ-EHEA – first cycle,
	EQF-LLL – 6th level
Prerequisites	 complete secondary education;
	 the rules for admission to the program are regulated by the Rules of admission to study at KNUTE
Language(s) of teaching	Ukrainian
The validity of the	until July 1, 2019
educational program	
Internet address of the permanent	https://knute.edu.ua
placement of the	
educational program	
description	
	2 – The purpose of the educational program
-	sional training of a specialist of the national economy staffing, taking into s for the socially important qualities and professional competence of the
specialist.	
	3 - Characteristics of the educational program
Subject area (branch	branch of knowledge 07 «Management and administration»
of knowledge, specialty,	Specialty 072 «Finance, Banking and Insurance» Specialization «Banking»
specialization (if	Disciplines that form the core competencies – 75%, from them:
available))	disciplines of the general training cycle -25% , cycle of professional
	training -43% , practical training -7% .

Disciplines at the choice of higher education applicant -25%, from

	them: from the general training evels 5% professional training 20%
The educational	them: from the general training cycle -5% , professional training -20% . Educational and professional
program orientation	
The main focus of the	General education in the subject area «Finance, Banking and Insurance»
educational program	in branch of knowledge «Management and administration», «Banking»
and specialization	specialization of «Bachelor» educational degree.
and specialization	specialization of "bachelor" educational degree.
	Key words: money and credit, bank, banking system, banking
	operations, bank activity analysis, bank security, bank reporting, bank
	management, international bank calculations, payment systems, bank
	audit, financial monitoring, information banking technologies
Features of the	Industrial practice in banks and training in a higher education institution
	industrial practice in banks and training in a inglier education institution
program	
	4 – Eligibility of graduates
	for employment and further training
Eligibility for	Chief of the functional unit. Chief Economist. Head cashier. Specialist
employment	in financial and economic security. Specialist in corporate governance.
	Manager of monetary intermediation. Financial Leasing Manager. Loan
	manager. Financial Intermediary Manager. Manager of foreign
	economic activity. Manager of auxiliary activities in the field of finance.
	Manager in the field of providing information. Manager of Regional
	Development issues. Manager of administrative activity. Manager for advisory services organization. Manager of social and corporate
	responsibility. Professional in registering holders of registered
	securities. Professional and organizer of trading in the securities market.
	Professional in Corporate Governance. Professional in depository
	activity. Professional in asset management. Professional in securities
	trading. Professional in financial and economic security. Economist in
	Accounting and Business Analysis. Planning Economist. Economist in
	financial work. Adviser. Broker. Dealer. Specialist in stock trading.
	Specialist in registering holders of registered securities. Specialist in
	corporate governance. Specialist in asset management. Bank compliance
	officer. Analyst on financial and economic security. Investment Analyst.
	Analyst on lending. Economist. Economist in financial work. Consultant
	on Economic Issues. Inspector for collecting and transporting valuables.
	Inspector of credit. Inspector of the exchange office. Secretary of the
	Board. Corporate Secretary. Secretary of the Committee (organizations,
	enterprises, institutions). Accountant. Cashier expert. Assistant of
	Accountant expert. Referrer. Specialist. Office employee (pledge and
	mortgage). Office (the same?) Employee (investments). Office
	employee (credit). Office employee (securities). Collector. Cashier (in
	the bank). Bank Controller. Money changer. Operator (bank).
Further training	Have the right to continue their studies at the NQF of Ukraine -8
	«Master»
T . 1. 1	5 – Teaching and evaluation
Teaching and	- student-centered training where the center is a student who, with the
learning	help of the acquired competencies, needs to find a place in the labor
	market in unpredictable conditions;
	- Self-education is an independent educational and cognitive activity of
	the student in an organic connection with the educational process, which

	professi	to obtain skills of independent acquisition of knowledge in onal life in order to increase the level of his professional encies and improve his professional skills;
	1	
		em-oriented training, which forms the ability of the student to
		omplex specialized problems and practical problems in the field
	-	ssional banking activity.
Evaluation		tions, project work, defense of course work, practice, exams,
	qualifica	ation exam.
Internal commetence	Ability	6 – Program competencies
Integral competence		to solve complex specialized tasks and practical problems in the of professional activity or training in the field of finance,
		and insurance.
General competencies		The ability to exercise their rights and responsibilities as a
(GC)	001	member of society, to realize the values of a civil (free
		democratic) society and the need for its sustainable
		development, the rule of law, rights and freedoms of man and
		citizen in Ukraine.
	GC 2	Ability to preserve and increase the moral, cultural, scientific
		values and achievements of society on the basis of
		understanding of the history and laws of banking
		development, its place in the general system of knowledge about nature and society and in the development of society,
		engineering and technology, use different types and forms of
		motor activity for active rest and healthy lifestyle.
	GC 3	Ability to abstract thinking, analysis, synthesis and
		application of knowledge in practical situations
	GC 4	Ability to learn and master modern knowledge, using the
		ability to plan and manage time.
	GC 5	Ability to take initiatives, responsibilities and skills to operate
		safely in accordance with the future profile of work, industry
		norms and regulations, as well as the required level of
		individual and collective security level in emergency situations.
	GC 6	Ability to evaluate critically and predict social, economic,
	000	political, environmental, cultural and other events and
		phenomena.
	GC 7	Ability to use specialized conceptual knowledge acquired in
		the process of learning and / or professional activity at the
		level of the latest achievements that are the basis for original
		thinking and innovation activity.
	GC 8	Understanding the essence of the economic system and
		economic relations as an essential component of society
		development.
	GC 9	Ability to operate economic categories and concepts.
	GC 10	Ability to evaluate the prospects of globalization as the latest stage of socio-economic transformations.
	GC 11	Understanding the essence of the factors and consequences of
		macroeconomic development and their impact on the bank
		activities.
	GC 12	Ability to use foreign languages in professional activities.
	5012	rionity to use rereign languages in professional activities.

Professional competence of the	PC 1	Ability to create work skills in the information environment.
specialty (PC)	PC 2	Skills of general language training and mastering of the basics of official, business and scientific styles for ensuring professional communication at the proper linguistic level.
	PC 3	The desire to create the necessary level of knowledge and acquire practical skills of professional communication, reading and translation of original foreign language literature on specialty, writing annotation / essay / business letter, work with commercial documentation.
	PC 4	Skills for the formation of macroeconomic thinking and understanding of the mechanism of the national economy and the banking system functioning
	PC 5	Ability to form a legal culture that includes awareness of law as the supreme regulator of relations between citizens and the state, between the bank and its clients.
	PC 6	Skills of formation of economic thinking and knowledge of the nature of financial and economic relations in the domestic and world banking systems.
	PC 7	Ability to identify the source of danger in the conduct of banking activities and the development of skills for ensuring the economic, financial, and information security of the bank.
	PC 8	Skills to avoid negative consequences when servicing the bank clients and protecting the interests of all participants in the transaction.
	PC 9	Ability to develop skills to create safe working conditions for the preservation of health and material values.
	PC 10	Skills to study the interaction of participants in the banking system; state regulators; peculiarities of bank functioning.
	PC 11	Ability to use theoretical knowledge and practical skills for the statistical estimation of economic phenomena and processes of public life and to use the tools of applied statistics in order to generalize the indicators of development and interpretation of the state of the banking system.
	PC 12	Ability to mathematical thinking and solving financial problems with the help of mathematical apparatus.
	PC 13	Ability to carry out banking operations.
	PC 14	Ability to provide banking services to clients
	PC 15	Ability to provide intermediary services to clients in the financial market.
	PC 16	Ability to display bank operations in financial accounting, compile financial and statistical reports.
	PC 17	Ability to use the accounting and reporting data when analyzing the financial condition, financial performance and cash flows of the bank clients.
	PC 18	Ability to apply methodical tools and information base for the analysis of bank activity.
	7 – Pi	rogram Learning Outcomes (PLO)
	PLO 1	Understanding of the financial and economic mechanism of
		operation of the enterprise, directions of its activity and

	sition of skills of financial planning and estimation of its
	cial condition.
	ty to substantiate enterprise development strategies,
	ate its efficiency and competitiveness.
	ty to use methods and tools of marketing to achieve the
	gic and operational goals of the enterprise.
PLO 4 Abili	ty to provide customer service to the bank, choose the
	vay to establish relationships with them.
PLO 5 Unde	rstanding the functioning of the financial and banking
syste	n, the financial market of Ukraine.
PLO 6 Appl	ying the skills of working with mathematical tools and
mode	rn information systems and application software
produ	icts in banking.
PLO 7 Unde	rstanding the processes of transferring funds and
asses	sing the risks of conducting transactions in different
• •	of payment systems.
	rstanding the essence of banking activities and acquiring
skills	in conducting specific banking operations.
PLO 9 Unde	rstanding of International Accounting Standards and
Finar	cial Statements to disclose Bank Assets, Liabilities and
Capit	al.
PLO 10 Repr	oduction of knowledge about the procedures for
accou	inting of banking activities in the preparation of
finan	cial, statistical and tax reporting of banks and the
inter	pretation of its indicators.
PLO 11 Unde	rstanding the influence of factors of macro- and micro-
envir	onment and acquiring skills of applying economic and
statis	tical methods in the process of carrying out the analysis
of the	bank's activities.
PLO 12 Unde	rstanding the principles and methods of financial
accou	inting to assess the internal control system in the bank
and a	udit the reliability of financial statements.
PLO 13 Unde	rstanding of the bank's management system and
-	sition of skills in the development and implementation
	banking strategy; designing the organizational structure
of th	e bank, forming a personnel policy and personnel
	vation system.
	rstanding the basic principles of investment and the
	y to evaluate the effectiveness of investment projects.
	in a team, using interpersonal skills to support corporate
	e in a bank.
	ommunicate with representatives of other professional
• •	s of different levels (with experts from other branches of
	edge / types of economic activity), following the codes
	egrity business.
	y to identify and solve problems in protecting the rights
	sumers of financial services.
	y to use modern financial monitoring tools in banks.
	standing the essence and acquisition of skills in
	cting international credit-settlement and currency
opera	
-	ions in the bank. rstanding of principles of construction of operational

	activity of the bank, interrelations between its divisions,
	procedures of passage, verification and authorization of
	documents for client and internal bank operations.
8 - Re	source support for the implementation of the program
Personnel support	Teachers with a Candidate of Sciences and Doctor of Sciences degree as
	well as an academic rank of Associate Professor and Professor.
	Practitioners.
Material and	Computer classes;
technical support	Audiences equipped with interactive whiteboards and projectors; Access
	to the Internet, Wi-Fi in classrooms.
Information and	Access to international econometric databases;
teaching and	Regulatory framework;
methodological	Methodical provision of disciplines;
support	Tutorials and textbooks.
	9 – Academic mobility
National Credit	It is envisaged by law and it is expedient when it becomes necessary to
Mobility	study (mastering) by students of fundamentally new courses, disciplines
	that are not taught in the basic IHE. A provision on academic mobility
	has been developed.
International Credit	The University has entered into agreements on cooperation between
Mobility	KNUTE and higher education institutions, in which partner exchange
	and student training are carried out. In addition, international academic
	mobility is carried out through international programs and projects
	within the framework of Erasmus + in particular with the following
	universities: Krakow University of Economics (Poland, Krakow),
	Szczecin University (Poland, Szczecin), Business School "Audencia"
	(France, Nantes), University of Grenoble Alps (France, Grenoble), Paris
	Est Creteil University (France, Paris), University of Central Lancashire
	(Great Britain, Preston), Hohenheim University (Germany, Stuttgart),
	Piraeus University of Applied Sciences (Greece, Piraeus), Sofia
	University "St. Kliment Ohridski" (Bulgaria, Sofia)
Teaching foreign	For foreign students the discipline "Ukrainian language" is taught for
applicants for higher	1-7 semesters with a separate schedule by teachers who have completed
education	special training in teaching Ukrainian as a foreign language.

2. The list of components of the educational program and their logical consistency

2.1. List of components of EP

Code of	Components of the educational program		The form
a/d	(educational disciplines, course projects (works),	Amoun	of final
	practices,	t of	control
	qualifying exam,	credits	
	graduation work)	ECTS	
1	2	3	4
	Mandatory components of EP		
MC 1.	Foreign language for specific purposes	24	Exam
MC 2.	Economic Informatics	6	Exam
MC 3.	Higher and Applied Mathematics	12	Exam

MC 4.	Jurisprudence	6	Exam
MC 4.	Philosophy	6	Exam
MC 5.	Economic theory	6	Exam
MC 0. MC 7.	Life safety	6	Exam
MC 7. MC 8.	Money and credit	6	Exam
MC 9.	Finances	6	Exam
MC 10.	Statistics	6	Exam
MC 10. MC 11.	Banking system	6	Exam
MC 11. MC 12.	Budgetary system	6	Exam
MC 12. MC 13.	Tax system	6	Exam
MC 13. MC 14.	Banking operations	0	Exam
MC 14.		12	LAdili
14.1.	CW on bank operations	12	
MC 15.	Economy and finance of an enterprise	6	Exam
MC 15. MC 16.	Accounting	6	Exam
MC 10. MC 17.	Financial accounting in banks	6	Exam
MC 17. MC 18.	Control and audit at the bank	6	Exam
MC 10. MC 19.	International credit-settlement and currency	6	Exam
WIC 19.	transactions	0	L'Adili
MC 20.	Information Systems and Technologies in	6	Exam
MC 20.	banking Sector	0	LAdin
MC 21.	Analysis of Banking activity		Exam
MC		6	Linuin
21.1.	CW on Analysis of banking activity	Ū	
MC 22.	Investment	6	Exam
MC 23.	Training Bank	3	Exam
	Physical Education		Credit
The total	amount of mandatory components:		165
	Selective components of EP		
SB 1.1.	History of Economics and Economic Thought	6	Exam
SB 1.2.	History of Ukrainian Culture	6	Exam
SB 1.3.	History of Ukraine	6	Exam
SB 1.4.	Cultural heritage of Ukraine	6	Exam
SB 1.5.	World culture	6	Exam
SB 1.6.	Ukrainian language (for specific purposes)	6	Exam
SB 2.1.	Aesthetics	6	Exam
SB 2.2.	National interests in world geopolitics and	6	Exam
	geoeconomics		
SB 2.3.	Public speaking	6	Exam
SB 2.3.	Religious studies	6	Exam
SB 3.1.	Diplomatic and business protocol and etiquette	6	Exam
SB 3.2.	Business ethics	6	Exam
SB 3.2. SB 3.3.	Logic	6	Exam
5.5 0.5.		U	Exam

SB 3.4.	Political Science	6	Exam
SB 3.5.	Social leadership	6	Exam
SB 3.6.	Sociology	6	Exam
SB 4.1.	Economic and mathematical modeling	6	Exam
SB 4.2.	International economic activity of Ukraine	6	Exam
SB 4.3.	International Economic Relations	6	Exam
SB 4.4.	Financial and credit systems of foreign countries	6	Exam
SB 4.5.	Financial Mathematics	6	Exam
SB 5.1.	Marketing	6	Exam
SB 5.2.	Insurance	6	Exam
SB 5.3.	Financial market	6	Exam
SB 6.1.	Banking Law	6	Exam
SB 6.2.	Banking statistics	6	Exam
SB 6.3.	Economic analysis	6	Exam
SB 7.1.	Payment systems	6	Exam
SB 7.2.	Finance law	6	Exam
SB 7.3	Financial analysis	6	Exam
SB 8.1.	Banking security	6	Exam
SB 8.2.	Banking Management	6	Exam
SB 9.1.	Bank reporting	6	Exam
SB 9.2.	Management	6	Exam
SB 9.3.	Psychology of business	6	Exam
SB 10.1.	Security of information systems and networks	6	Exam
SB 10.2.	Protection of the rights of financial services consumers	6	Exam
SB 10.3.	Conflictology and psychology of business communication	6	Exam
SB 10.4.	Bank collateral valuation	6	Exam
SB 10.5.	Financial monitoring	6	Exam
Total am	ount of selective components:		60
	Practice		
	Industrial practice 1	6	Credit
	Industrial practice 2	6	Credit
	Certification		1
	Preparation for a qualification exam and certification	3	
THE TO PROGRA	TAL VOLUME OF EDUCATIONAL M		240

II course IV course IV course I course I course II course **III** course **III** course **VII semester** I semester **II** semester **III** semester IV semester V semester VI semester VIII semester MC 1. Foreign MC 21. Analysis MC 14. Banking MC 18. Control and MC 1. Foreign MC 1. Foreign MC 13. The tax system MC 1. Foreign Language for specific of Banking operations audit at the bank Language for specific Language for Language for activity purposes purposes specific purposes specific purposes MC 14.1 CW on Bank MC 21.1 CW on MC 9. Finances MC 7. Life safety MC 14. Banking operations analysis of banking MC 3. Higher and operations activity MC 2. Economic Applied MC 10. Statistics MC 17 Financial MC 19. International MC 11. Banking Informatics MC 22 Investing Mathematics accounting in banks credit-settlement and system MC 15. Economy and currency transactions SB 2.1 Aesthetics finance of an enterprise MC 6. Economic MC 12. Budgetary SB 6.1 Banking MC 23. Training SB 2.2 National interests in MC 3. Higher and theory system Law Bank world geopolitics and \rightarrow Applied MC 16. Accounting MC 20. Information Geoeconomics MC 8. Money and Mathematics SB 3.1 Diplomatic and SB 10.1 Security of Systems and credit SB 6.2 Banking business protocol and Technologies in the information systems and SB 2.3 Public speaking MC 4. etiquette statistics Banking Sector networks SB 5.1 Marketing Jurisprudence SB 1.1 History of SB 2.4 Religious studies SB 10.2 Protection of the Economics and SB 6.3 Economic SB 8.1 Banking rights of financial Economic Thought SB 3.2 Business ethics security analysis MC 5. Philosophy services consumers SB 4.1 Economic and SB 5.2. Insurance mathematical modeling SB 1.2 History of SB 10.3 Conflictology Ukrainian Culture SB 3.3 Logic and psychology of SB 7.1. Payment SB 5.3. Financial SB 4.2 International SB 8.2 Banking business communication systems SB 1.3 History of market economic activity Management SB 3.4 Political Ukraine Physical Education SB 10.4. Bank SB 7.2. Finance law collateral valuation SB 4.3 International SB 1.4 Cultural Economic Relations heritage of Ukraine SB 9.1. Bank SB 3.5 Social Statements SB 10.5 Financial leadership SB 1.5 World culture SB 4.4 Financial and credit nonitoring systems of foreign countries SB 7.3. Financial analysis SB 9.2. Management Industrial practice 2 SB 1.6 Ukrainian SB 3.6 Sociology SB 4.5 Financial language (for specific Mathematics purposes) Industrial practice 1 Preparation for a SB 9.3. Psychology of Business qualification exam and certification Physical Education Physical Education Physical Education

2.2 Structural-logical scheme of EPP

3. The form of certification of higher education applicants

Certification of graduates of educational program for specialty 072 «Finance, Banking and Insurance» is carried out in the form of a final qualifying examination and ends with the issuance of a document of an established standard for awarding him a bachelor's degree with a qualification degree of higher education «Bachelor» specialty «Finance, Banking and Insurance» specialization «Banking».

The certification is carried out openly and publicly.

4. Matrix of compliance of program competencies to the components of the educational program 4.1. Mandatory components of EP

										itory	•••]											Т	able 1
	MC 1	MC 2	MC 3	MC 4	MC 5	MC 6	MC 7	MC 8	MC 9	MC 10	MC 11	MC 12	MC 13	MC 14	MC 15	MC 16	MC 17	MC 18	MC 19	MC 20	MC 21	MC 22	MC 23
GC 1			•	•																			
GC 2		•		•								•											
GC 3				•										•	•						•		
GC 4				•											•							•	
GC 5					•							•								•			•
GC 6										•	•	•	•										
GC 7												•		•								•	•
GC 8		•									•	•	•										
GC 9		•						•	•						•								
GC 10								•	•			•	•										
GC 11									•	•		•									•		
GC 12	•											•		•								•	
PC 1						•	•			•										•			
PC 2	•											•		•									•
PC 3	•																						
PC 4		•									•	•	•										
PC 5			•									•		•									
PC 6		•							•			•		•									
PC 7					•									•			•			•			
PC 8			•											•				•					•
PC 9					•															•			
PC 10												•		•									
PC 11						•				•		•									•		
PC 12							•								•		•				•		
PC 13														•			•	•					•
PC 14														•			•						•
PC 15									•					•			•					•	
PC 16														•			•		•				•
PC 17															•						•	•	
PC 18														•			•		•		•		

4.2. Selective components of EP

	, , ,								1	1				1		1		1		1			1									- 1		1		<u> </u>				ble 4
	SB 1.1	SB 1.2	SB 1.3	SB 1.4	SB 1.5	SB 1.6	SB 2.1	SB 2.2	SB 2.3	SB 2.4	SB 3.1	SB 3.2	SB 3.3	SB 3.4	SB 3.5	SB 3.6	SB 4.1	SB 4.2	SB 4.3	SB 4.4	SB 4.5	SB 5.1	SB 5.2	SB 5.3	SB 6.1	SB 6.2	SB 6.3	SB 7.1	SB 7.2	SB 7.3	SB 8.1	SB 8.2	SB 9.1	SB 9.2	SB 9.3	SB 10.1	SB 10.2	SB 10.3	SB 10.4	SB 10.5
GC 1	•		•		•	•	•		•																											\square				
GC 2	•	•	•		•	•		•													•																			
GC 3																					•							•				•		•						
GC 4																					•		•									•		•						
GC 5																								•							•		•		•		•			
GC 6	•		•					•	•	•			•	•	•	•																			•					
GC 7											•		•	•	•	•							•									•			•					
GC 8		•					•										٠	•																		\square			•	
GC 9																			•						•							•				\square			•	
GC 10							•		•									•														•				\square				
GC 11		•																	•							•						•				\square				
GC 12															•							٠					•					•				\square				
PC 1											•	•			•											•														
PC 2				•											•																					\square				
PC 3																						٠					•									\square				
PC 4							•					•					•		•																					
PC 5				•								•													•					•						•		•		
PC 6				•								•							•	•	•					•									•					
PC 7				•								•																			•		•			•		•	•	•
PC 8				•																					•						•					•	•			
PC 9																															•					\square	٠			
PC 10																									•							•			•	\square		•		
PC 11											•															•										\square				
PC 12											•	•								•	•							•								\square			•	•
PC 13						•																							•			•						•	•	•
PC 14						•																										•			•			•	 	
PC 15						•																		•						•						•			 	
PC 16						•																				•							•							
PC 17																												•												
PC 18														l		l		l					l			•						•								

Table 5.1 MC 2 - \mathfrak{S} 4 5 9 1 MC 8 MC 9 MC 23 33 10 MC MC 11 MC 12 13 14 14 MC MC MC MC MC MC PLO₁ . ٠ PLO₂ • PLO 3 ٠ PLO 4 • ٠ PLO 5 ٠ • ٠ . • ٠ PLO 6 ٠ ٠ ٠ ٠ ٠ PLO 7 • • • PLO 8 • ٠ ٠ ٠ PLO 9 ٠ ٠ ٠ **PLO 10** ٠ ٠ • **PLO 11** ٠ ٠ ٠ • ٠ **PLO 12** ٠ ٠ ٠ ٠ **PLO 13** ٠ ٠ ٠ **PLO 14** • • **PLO 15** ٠ ٠ **PLO 16** ٠ ٠ ٠ ٠ ٠ **PLO 17** • • **PLO 18** • • ٠ PLO 19 ٠ ٠ ٠ ٠ **PLO 20** ٠ • ٠ ٠

5. Matrix of providing program learning outcomes (PLO) with relevant components of the educational program 5.1 Mandatory components of EP

5.2 Selective components of EP

Table 5.2

r	_																																						
	SB 1.1	SB 1.2	SB 1.3	SB 1.4	SB 1.5	SB 1.6	SB 2.1	SB 2.2	SB 2.3	SB 2.4	SB 3.1	SB 3.2	SB 3.3	SB 3.4	SB 3.5	SB 3.6	SB 4.1	SB 4.2	SB 4.3	SB 4.4	SB 5.1	SB 5.2	SB 5.3	SB 6.1	SB 6.2	SB 6.3	SB 7.1	SB 7.2	SB 7.3	SB 8.1	SB 8.2	SB 9.1	SB 9.2	SB 9.3	SB 10.1	SB 10.2	SB 10.3	SB 10.4	SB 10.5
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		•		•	٠				•												•					•									•				
PLO 17		•																					•	•											•				
PLO 18																														•							•		•
PLO 19																		•		•	•																•		•
PLO 20																														•	•								