BORYS GRINCHENKO KYIV UNIVERSITY

ACADEMIC PROFESSIONAL PROGRAMME
032.00.02 History and archeology
the first (bachelor) level of higher education

Branch of knowledge: 03 Humanities
Specialty: 032 History and Archeology
Qualification: Bachelor of History and Archeology

Launched on 01. 09. 2017
(order of May 26, 2017, № 348)

Kyiv – 2017

LETTER OF APPROVAL
of the Academic Professional Programme

History of Ukraine Department
The Minutes from March 04, 2017, No. 9
Head of Department _____ O. Salata

World History Department
The Minutes from March 06, 2017, No. 9
Head of Department _____ I. Sribniak

Academic Council of the History and Philosophy Faculty
The Minutes from April 19, 2017, No. 10
Head of the Academic Council_____ O. Aleksandrova

Scientific-methodical center of standardization
and quality of education
Head of the Standardization and quality of education Cen-
ter_____ O. Leontieva

 ____._____2018

Vice-Rector on Academic Affairs_____ O. Zhyltsov
____._____2018

INTRODUCTION

The educational program is developed on the basis of a draft standard for higher education in Ukraine in the branch of knowledge 03 – Humanities, for 032 History and Archeology as a major.

Developed by a working group consisting of:
Salata Oksana Anagoliivna – Doctor of History, professor, Head of the History Department at Borys Grinchenko Kyiv University (Head of the group, guarantor);

Nadtoka Henadiy Oleksiiovych – Doctor of History, professor, Head of the Word History Department at Borys Grinchenko Kyiv University;

Mykhailovsky Vitaliy Mychailovych – Doctor of History, professor at the History Department at Borys Grinchenko Kyiv University.

External experts:

Patryliak Ivan Kazymyrovych, Doctor of History, professor, Dean of the History Faculty at Taras Shevchenko Kyiv National University;

Potylchak Oleksandr Valentynovych, Doctor of Historical Sciences, Professor, Head of the Historic Data and Special Subjects Department at National Pedagogical Dragomanov University

The academic program implemented since 2017.
The term for reviewing the program: once every _____ years.

Authorized:

Date of the review / Amendments to the Program			
Signature			
Initials of group coordinator			

I. Profile of the program 032 History and Archeology

1 – General information	
Full name of the higher educational institution and structural unit	Borys Grinchenko Kyiv University, Faculty of History and Philosophy
The degree of higher education and qualification title	degree of higher education: bachelor specialty: 032 – History and Archeology Academic program: 032.00.02 - History and Archeology Academic qualification: bachelor of History Professional qualification: historian, teacher of history
Official title of educational program	032.00.02 - History and Archeology
Type diploma and scope of the educational program	Bachelor diploma, unitary, 240 ICTS credits term of study: 3 years 10 months
Availability of accreditation	Accreditation commission. Ukraine. License – НД № 1187359 Ministry of Science Certificate valid until 01.07.2019
Cycle / Level	NRC of Ukraine - level – 7, FQ-EHEA – in the first cycle, EQF-LLL – 6 level
Background	Full secondary education certificate
Teaching language	Ukrainian
The duration of the educational program	Until 01.07.2019
Internet address of the permanent description of the educational program	http://kubg.edu.ua/informatsiya/vstupnikam/napryami-pidgotovki/bakalavr.html
2 – Aim of the program	
To train a competent specialist in History with a wide range of employment opportunities who are capable of solving practical and theoretical issues, and teach History	
3 – Characteristics of the program	
Subject area (branch of knowledge, major, minor)	Systemic knowledge of global and Ukrainian historical past, causation relations between historic events and processes, historic tendencies, dependencies in humanity's functions, formation of application of historic and cultural heritage.
Program orientation	Practical-applied focus of the Program.
The main focus of the educational program and specialization	Specific education in major – History Key terms: archeology, History of Ukraine, World History, Culture Studies, Historic Urban Studies
Subject area (branch of knowledge, major, minor)	Available minors: South Europe (Italy, Spain, Portugal); Central-Eastern Countries (Poland, the Check Republic, Slovakia); Far East Countries (Japan, China, Korea); Historic Urban Studies
4 – Eligibility of graduates for employment and further studying	
Graduates' employment	According to the National Professional Catalogue ДК 003:2010 the Program's graduates with BA in History and Archeology are eligible for the following positions: 2443.2 – historian (history, economy, politics, social relations),

	advisor on History issues; 2431.2 – archive specialist, museum and exhibit expert, exhibitor and museum specialist; 2441.1 – anthropologist; 2442.2 – archeologist, archeolograph, ethnologist, paleograph; 2320 – teacher of a secondary education institution.
Further education	Second (master's) level in major
5 – Teaching and assessment	
Education and teaching	Student-driven education, which involves strengthening of practical orientation, interactive teaching methods, lectures, seminars and practical classes; self-study with sources and bibliography; individual consulting with supervisors; using elements of distance learning, the last year is 75% dedicated to academic and training practices, writing and defence of bachelor`s paper.
Assessment	Written and oral examinations, tested credits, coursepapers, ongoing module tests, practice reports, tests, current control, public paper defense
6 – Program competencies	
Integral competence	1. Ability to solve specialized tasks and practical problems in the field of history and archeology in the process of scientific research or studying. 2. Ability to analyze historical phenomena and events, which involves the application of theories and methods of historical science, and is characterized by complexity and uncertainty of conditions.
General competencies GC	Thinking skills: GC 1 Ability to conceptual thinking, analysis and synthesis. GC 2 Profeciency in creating semantic generalizations and conclusions, identifying flaws, contradictions and incompleteness of the argumentation in the information data and concepts. GC 3 Readiness to new data cognition and continuous learning, mastering new knowledge and strategies / ways of thinking. GC 4 Ability to organize personal activities and use time efficiently. Development of reflection: GC 5 The ability to distinguish subjective and spontaneous components of judgments from objective to reasonable, giving preference to the latter. GC 6 Criticism and self-criticism of thinking. GC 7 Tendency to self-testing, taking care of the qualitative performance of professional tasks. Intelligent communication: GC 8 Attention and tolerance to another (different) opinion, the ability to analyze the content and structure in the process of communication and respond to it adequately. GC 9 Advanced skills in leading intellectual discussions, using polite forms of appeal to the opponent, concentrating on meaningful judgments, not going personal. GC 10 Public speaking skills, the ability to express yourself clearly and distinctively during the communication process.

	GC 11. Skills in teamwork, managing responsibilities in team work.
	GC 12. Openness, capability to perceive and take into account the observations to adjust one's own position in the process of discussion, inclination to a dialogue, involvement of personal intelligence in good ideas expressed.
	GS 13. Skills in applying information and communication technologies.
	Linguistic and textual ability:
	GC 14 Analysis and interpretation of the humanitarian text: the ability to distinguish and reproduce semantic structure of the text, to evaluate the sequence and validity of the argumentation, to highlight productive ideas.
	GC 15 Comparison of the content of different texts, search and generalization of information on the problem investigated.
	GC 16 Skills of writing analytical and journalistic humanitarian texts, summarising, creating systematic reviews of special literature. Compliance with the standards of academic text arrangement.
	GC 17 Ability to use (orally and in writing) state language in all spheres of public life, to read professional literature in foreign languages, in English particularly.
	Personal value attitude:
	GC 18 Intellectual conscience, honesty, resulting in shunning plagiarism, academic dishonesty and cheating.
	GC 19 Understanding the necessity of responsible attitude to work, fulfil the duties accurately and in time.
	GC 20 Ability to work in a team and individually, to show initiative, to avoid uncritical pursuit of authorities.
	GC 21 Ability to self-realization personally and professionally on the basis of value-reflectional achievements of humanity (in particular, perception of a man not as a means, but as goals and values), which is inseparably connected with skills of critical thinking, mastering and advocacy of civil virtues and rights, social responsibility, as well as patriotic care of the productive development of the state and society.
	GC 22. Mature ability to understand worldview, legal, social, economic, cultural-historical, spiritual-moral issues that go beyond the scope of professional specialization, therefore, to act responsibly and effectively in different social contexts, contributing to the positive resolution of urgent problems.
Professional competencies (PC)	PC 1 Critical awareness of relationship between facts, events, phenomena and processes in the past as well as present.
	PC 2 Critical awareness with differences in historiographical views on different periods and in different contexts.
	PC 3 Understanding of social functions of a Historian, possibilities of history using and abusing.
	PC 4 Ability to communicate in national language, mother tongue and one of the foreign languages using terms and techniques gained in the professional environment; know and be able to use

	ancient languages for professional purposes.
	PC 5 Knowledge, abilities and skills of working out scientific and informational sources and using information retrieval tools such as: bibliographical references, guides to archival funds, archive descriptions and links to electronic resources.
	PC 6 Ability to detect and properly process sources of information (bibliographies, documents, ethnographic materials, museum exhibits, archaeological artifacts, etc.) for implementation of research projects.
	PC 7 Knowledge and ability to use various methods of detecting and processing historical and archaeological sources, in particular, tools for special historical disciplines, advanced computer technologies for searching and processing historical or related data.
	PC 8 Professional knowledge and skills in detecting, processing and protection of material and intangible cultural heritage.
	PC 9 Awareness of the peculiarities of human development in the preliterate period of its history and the possession of the basic principles and skills of this period research on the empirical and theoretical levels.
	PC 10 Ability to use knowledge in Humanities for professional activity, The ability to analyze, evaluate and predict political, economic, cultural social events and phenomena.
	PC 11. The ability to comment, annotate or edit texts and documents in accordance with certain criteria; present the results of scientific researches in printed form, organize their presentation.
	PC 12. Mastering and implementing professionally methods of teaching history and related disciplines in general educational institutions of different types.
	PC 13. Ability to select and accept for preservation artifacts and documents in accordance with the standards.
	PC 14. Knowledge of the rules of archaeological, archival and museum work, principles of exhibiting artifacts and preparing a thematic-exposition plan.
7 – Program learning outcomes	
	PLO 1. Knowledge of the most important facts, events and processes of the historical past of the Ukrainian people and humanity as a whole.
	PLO 2. Knowledge of the main tendencies of historical development in specific historical periods.
	PLO 3. Learning scientific chronology, periodization and characteristics of the main stages of national and world history.
	PLO 4. Knowledge of basic approaches to the study of national and world history, categorical apparatus on history and archeology.
	PLO 5. Mastering basic principles and methods of historical cognition.
	PLO 6. Understanding main types and kinds of historical sources.
	PLO 7. Judgement of the necessary facts for a particular historical research.
	PLO 8. Detailed knowledge of a certain historical period or problem.
	PLO 9. Understanding and ability to interpret the main tasks of

	historical and archaeological science.
	PLO 10. Ability to find out the relationship between historical events, phenomena, processes and demonstrate meaningful thoughts, substantiated positions and conclusions.
	PLO 11. Capability to classify historical sources with the purpose of realization specific research projects.
	PLO 12. Ability to interpret information from various sources (archaeological artifacts, archival documents, oral evidence, museum exhibits, periodicals, scientific works, etc.);
	PLO 13. Proficiency in substantiation of the choice of methodology for processing of material sources and texts.
	PLO 14. Ability to identify the relationship between past and present processes.
	PLO 15. Evaluating main tendencies and peculiarities of historical development of mankind in certain historical periods.
	PLO 16. Profecieny in analyzing differences in historiographical views of different periods and in different contexts.
	PLO 17. Possibility to demonstrate skills of professional communication using scientific terms adopted to the professional environment.
	PLO 18. Means of organizing practical solution of the problems of historical memory and protection of material and intangible cultural heritage of Ukraine.
	PLO 19. Capability to plan research projects on history, archeology, historiography, source studies, local history studies, etc.
	PLO 20. Applying modern methods of teaching history.
8 – Resource support for the program implementation	
Staff support	The Educational Program staff includes scientific - teaching staff of the Departments of History of Ukraine and World History of History and Philosophy Faculty. For teaching particular disciplines the following teaching staff is involved: Philosophy Department of Philosophy History and Philosophy Faculty; Sports and Fitness Department of the Faculty of Health, Physical Education and Sports; English language Department of Law and International Relations Faculty; Ukrainian language Department in the Institute of Philology; Department of general, age and pedagogical psychology of the Institute of Human Rights; Department of Theory and History of Pedagogy, Pedagogical Institute. The practice-oriented character of education programs provides broad participation of practitioners in the learning process, reinforcing synergistic relationship of theoretical and practical training. The head of the project team and teaching staff who ensures its implementation, meet the requirements set out by license conditions of educational activities of educational institutions.
Material and technical support	For successful implementation of the educational program considering its purpose, classrooms, computer equipment and interactive whiteboards (SMART Board) are used.
Information and educational-methodological sup-	In the process of education, visual teaching materials (maps, diagrams) in paper and electronic media, as well as materials from

port	the Archaeological Museum at the Department of History of Ukraine and the Faculty Centers of Competences (Center of Archaeological Research, Center of Source, Archival, and Museology) are used.
9 – Academic mobility	
National credit mobility	The agreements of cooperation with the Kyiv T. Shevchenko National University, National Pedagogical University named after. MP Drahomanov are applicable.
International credit mobility	The cooperation agreements with the University of Seaton Hall (New Jersey, USA), Jagiellonian University (Cracow, Poland) are applicable.
Studying of foreigners	The educational program is open to foreign applicants of higher education on the grounds of current Ukrainian legislation.

II. List of the program components and their logical consistency

2.1. List of program's components

Code n	Code c/d	Components of the Programme (Subjects, course projects (papers), practice, qualification work)	Number of credits	Form of final control
1	2	3	4	5
Compulsory components				
AC 1	CSG.01	University Studies	4	credit
AC 2	CSG.02	Philosophy Studies	4	exam
AC 3	CSG.03	Foreign Language (English)	12	exam
AC 4	CSG.04	Culture of oral and written communication (Ukrainian)	4	exam
AC 5	CSG.05	Physical Training	4	credit
AC 6	CSP.1	Archeology and Ancient History of Ukraine	6	exam
AC 7	CSP.2	Ethnography of Ukraine	4	exam
AC 8	CSP.3	Ancient World History	6	exam
AC 9	CSP.4	Medieval History of Ukraine	4	exam
AC 10	CSP.5	Medieval History of Western Civilization	6	exam
AC 11	CSP.6	Early Modern History of Ukraine	4	exam
AC 12	CSP.7	Early Modern History of Western Civilization	4	exam
AC 13	CSP.8	Medieval History of Eastern Countries	4	exam
AC 14	CSP.9	Modern History of Ukraine	4	exam
AC 15	CSP.10	Modern History of Western Civilization	4	exam
AC 16	CSP.11	Contemporary History of Ukraine	4	exam
AC 17	CSP.12	Contemporary History of Western Civilization	4	exam
AC 18	CSP.13	Modern and Contemporary History of Eastern Countries	4	exam
AC 19	CSP.14	Resource, Archives and Museum Studies	6	exam
AC 20	CSP.15	Historiography	4	exam
AC 21	CSP.16	Specialized Historical Subjects	4	exam
AC 22	CSP.17	ICT for History	4	credit
AC 23	CSP.18	Psychology	4	exam
AC 24	CSP.19	Pedagogy	4	exam
AC 25	CSP.20	History Teaching Methodology	6	exam
AC 26	CSP.21	Course paper (Ukraine in the World History)	2	credit
AC 27	CP.1	Archeological Practice	6	credit
AC 28	CP.2	Field Practice (bibliography and resource)	6	credit
AC 29	CP.3	Field Practice (Archive and museum)	6	credit
AC 30	CP.4	Pre-Defense (research) Practice	9	credit
AC 31	CP.5	Educational (psychology and pedagogy) Practice	3	credit
AC 32	CP.6	Field Practice (pedagogy)	16,5	credit
AC 33	CP.7	Field Practice (museum and pedagogy)	6	credit
AC 34	CA.1	Preparation and defense of a bachelor qualification paper	6	exam
AC 35	CA.2	Complex exam in Psychology, Pedagogy and History Teaching Methodology	1,5	exam

Total for compulsory components			180 credits	
Elective Components				
Elective block 1 «Southern Europe Countries (Italy, Spain, Portugal)»				
EC 1.1	ESC.1.01	Civilizational identity of the region's countries	8	exam
EC 1.2	ESC.1.02	Ethnic Cultural Specificity of the Region	4	credit
EC 1.3	ESC.1.03	Social History of the region's countries	4	credit
EC 1.4	ESC.1.04	Community and Utility History in the region's countries	4	credit
EC 1.5	ESC.1.05	Regional Historical Urban Studies	4	exam
EC 1.6	ESC.1.06	Second foreign language (Spanish)	24	exam
EC 1.7	EP.1	Ethnographic Country-Studies Practice	6	credit
EC 1.8	EP.2	Language Practice	3	credit
EC 1.9	EP.3	Analytical-Expert Practice	3	credit
Elective block 2 «Central Eastern European Countries (Poland, the Check Republic, Slovakia)»				
EC 2.1	ESC.2.01	Civilizational identity of the region's countries	8	exam
EC 2.2	ESC.2.02	Ethnic Cultural Specificity of the Region	4	credit
EC 2.3	ESC.2.03	Social History of the region's countries	4	credit
EC 2.4	ESC.2.04	Community and Utility History in the region's countries	4	exam
EC 2.5	ESC.2.05	Regional Historical Urban Studies	4	credit
EC 2.6	ESC.2.06	Second foreign language (Polish)	24	exam
EC 2.7	EP.1	Ethnographic Country-Studies Practice	6	credit
EC 2.8	EP.2	Language Practice	3	credit
EC 2.9	EP.3	Analytical-Expert Practice	3	credit
Elective block 3 «Far East Countries (China, Japan, Korea)»				
EC 3.1	ESC.3.01	Civilizational identity of the region's countries	8	exam
EC 3.2	ESC.3.02	Ethnic Cultural Specificity of the Region	4	credit
EC 3.3	ESC.3.03	Social History of the region's countries	4	credit
EC 3.4	ESC.3.04	Community and Utility History in the region's countries	4	exam
EC 3.5	ESC.3.05	Regional Historical Urban Studies	4	credit
EC 3.6	ESC.3.06	Second foreign language (Chinese)	24	exam
EC 3.7	EP.1	Ethnographic Country-Studies Practice	6	credit
EC 3.8	EP.2	Language Practice	3	credit
EC 3.9	EP.3	Analytical-Expert Practice	3	credit
Elective block 4 «Urban Historical Studies»				
EC 4.1	ESC.4.01	City as Center of Civilization Development	8	exam
EC 4.2	ESC.4.02	Evolution of Ukrainian Town Traditions	4	credit
EC 4.3	ESC.4.03	Urban Sights Studies and Historical Tourism	4	credit
EC 4.4	ESC.4.04	Architectonics of Urban Space	4	credit
EC 4.5	ESC.4.05	Regional Historical Urban Studies	4	exam
EC 4.6	ESC.4.06	Foreign language (Advanced English)	24	exam
EC 4.7	EP.1	Ethnographic Country-Studies Practice	6	credit
EC 4.8	EP.2	Language Practice	3	credit
EC 4.9	EP.3	Analytical-Expert Practice	3	credit
Total of Electives			**60 credits**	
TOTAL OF THE PROGRAM			**240 credits**	

2.2. Logical sequence of the Program

Year I		Year II		Year III		Year IV	
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
Center for Archeological Studies		Center for Resource, Archives and Museum Studies		Center for Pedagogical Mastery		Practice Oriented Components	
Archeology and Ancient History of Ukraine		Resource, Archives and Museum Studies			Educational Practice(psychology and pedagogy)	Field Practice (pedagogy)	
Ethnography of Ukraine	Archeological Practice		Field Practice (bibliography and resource)		Field Practice (archive and museum)		Field Practice (museum and pedagogy)
History of the Ancient World				Historiography	Specialized Historical Subjects		
Medieval History of Western Civilization	Medieval History of Ukraine	Medieval History of Eastern Countries	Contemporary History of Ukraine	Modern and Contemporary History of Eastern Countries	ICT for History		
	Early Modern History of Western Civilization	Modern History of Western Civilization		Contemporary History of Western Civilization			
	Early Modern History of Ukraine	Modern History of Ukraine					
University Studies		Philosophy Studies	Psychology				
			Pedagogy				
			History Teaching Methodology				
						Pre-Defense Practice (research)	

Year I		Year II		Year III		Year IV	
Semester 1	**Semester 2**	**Semester 3**	**Semester 4**	**Semester 5**	**Semester 6**	**Semester 7**	**Semester 8**
Foreign Language (English)							Attestation: Preparation and defense of a bachelor qualification paper Complex exam in Psychology, Pedagogy and History Teaching Metodology
Culture of oral and written communication (Ukrainian)							
Physical Training							

Year I		Year II		Year III		Year IV	
Semester 1	**Semester 2**	**Semester 3**	**Semester 4**	**Semester 5**	**Semester 6**	**Semester 7**	**Semester 8**
Minor options: *«Southern Europe Countries (Italy, Spain, Portugal)»*, *«Central Eastern European Countries (Poland, the Check Republic, Slovakia)»*, *«Far East Countries (China, Japan, Korea)»*							
		Civilizational identity of the region's countries					Analytical-Expert Practice
			Ethnic Cultural Specificity of the Region			Community and Utility History in the region's countries	
				Social History of the region's countries			
				Regional Historical Urban Studies			
		Second foreign language (Spanish, Polish, Chinese)					
						Language Practice	
						Ethnographic Country-Studies Practice	

Year I		Year II		Year III		Year IV	
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	8 семестр
Minor option *Urban Historical Studies*							
		City as Center of Civilization Development				Architectonics of Urban Space	Analytical-Expert Practice
			Evolution of Ukrainian Town Traditions				
				Urban Sights Studies and Historical Tourism			
				Regional Historical Urban Studies			
		Foreign language (Advanced English)					
						Language Practice	
						Ethnographic Country-Studies Practice	

III. Forms of graduates' certification

Program graduates' final attestation for 032.00.01 Archeology and History is conducted as the defense of a before-hand prepared bachelor paper and also as a complex examination in Pedagogy, Psychology and Teaching Methodology. Graduated receive a standard certificate of bachelor degree majoring in History, qualifying as a Teacher of History.

Certification is open and public.

IV. Matrix of competencies according to the Program

Competencies' codes	AC 1	AC 2	AC 3	AC 4	AC 5	AC 6	AC 7	AC 8	AC 9	AC 10	AC 11	AC 12	AC 13	AC 14	AC 15	AC 16	AC 17	AC 18	AC 19	AC 20	AC 21
GC 1	•	•				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 2	•	•				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 3	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 5	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 6	•	•				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 8	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 9	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 10	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 11	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 12	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 13	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 14	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 15	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 16	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 17	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 18	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 19	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 20	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 21	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 22	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Competencies' codes	AC 22	AC 23	AC 24	AC 25	AC 26	AC 27	AC 28	AC 29	AC 30	AC 31	AC 32	AC 33	AC 34	AC 35
GC 1	•	•	•	•	•								•	•
GC 2	•	•	•	•	•								•	•
GC 3	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 4	•	•	•	•	•								•	•
GC 5	•	•	•	•	•								•	•
GC 6	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 7	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 8	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 9	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 10	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 11	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 12	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 13	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 14	•	•	•	•	•		•	•	•	•	•	•	•	•
GC 15	•	•	•	•	•		•	•	•	•	•	•	•	•
GC 16	•	•	•	•	•		•	•	•	•	•	•	•	•
GC 17	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 18	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 19	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 21	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 22	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Competencies' codes	EC 1.1	EC 1.2	EC 1.3	EC 1.4	EC 1.5	EC 1.6	EC 1.7	EC 1.8	EC 1.9	EC 2.1	EC 2.2	EC 2.3	EC 2.4	EC 2.5	EC 2.6	EC 2.7	EC 2.8	EC 2.9
GC 1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 13	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 15	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 16	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 17	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 18	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 19	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 20	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 21	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 22	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Competencies' codes	EC 3.1	EC 3.2	EC 3.3	EC 3.4	EC 3.5	EC 3.6	EC 3.7	EC 3.8	EC 3.9	EC 4.1	EC 4.2	EC 4.3	EC 4.4	EC 4.5	EC 4.6	EC 4.7	EC 4.8	EC 4.9
GC 1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 13	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 15	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 16	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 17	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 18	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 19	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 20	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 21	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GC 22	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Competencies' codes	AC 1	AC 2	AC 3	AC 4	AC 5	AC 6	AC 7	AC 8	AC 9	AC 10	AC 11	AC 12	AC 13	AC 14	AC 15	AC 16	AC 17	AC 18	AC 19	AC 20	AC 21
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						•	•	•	•	•	•	•	•	•	•	•	•			•	•

Competencies' codes	AC 22	AC 23	AC 24	AC 25	AC 26	AC 27	AC 28	AC 29	AC 30	AC 31	AC 32	AC 33	AC 34	AC 35
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					•	•		•	•				•	

Competencies' codes	EC 1.1	EC 1.2	EC 1.3	EC 1.4	EC 1.5	EC 1.6	EC 1.7	EC 1.8	EC 1.9	EC 2.1	EC 2.2	EC 2.3	EC 2.4	EC 2.5	EC 2.6	EC 2.7	EC 2.8	EC 2.9
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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Competencies' codes	EC 3.1	EC 3.2	EC 3.3	EC 3.4	EC 3.5	EC 3.6	EC 3.7	EC 3.8	EC 3.9	EC 4.1	EC 4.2	EC 4.3	EC 4.4	EC 4.5	EC 4.6	EC 4.7	EC 4.8	EC 4.9
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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

V. Matrix of learning outcomes according to the Program

Program Learning Outcomes Code	AC 1	AC 2	AC 3	AC 4	AC 5	AC 6	AC 7	AC 8	AC 9	AC 10	AC 11	AC 12	AC 13	AC 14	AC 15	AC 16	AC 17	AC 18	AC 19	AC 20	AC 21
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				•																	

Program Learning Outcomes Code	AC 22	AC 23	AC 24	AC 25	AC 26	AC 27	AC 28	AC 29	AC 30	AC 31	AC 32	AC 33	AC 34	AC 35
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	•	•	•	•						•	•	•		•

Program Learning Outcomes Code	EC 1.1	EC 1.2	EC 1.3	EC 1.4	EC 1.5	EC 1.6	EC 1.7	EC 1.8	EC 1.9	EC 2.1	EC 2.2	EC 2.3	EC 2.4	EC 2.5	EC 2.6	EC 2.7	EC 2.8	EC 2.9
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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Program Learning Outcomes Code	EC 3.1	EC 3.2	EC 3.3	EC 3.4	EC 3.5	EC 3.6	EC 3.7	EC 3.8	EC 3.9	EC 4.1	EC 4.2	EC 4.3	EC 4.4	EC 4.5	EC 4.6	EC 4.7	EC 4.8	EC 4.9
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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•