

Borys Grinchenko Kyiv University

"APPROVED"

Administered by Scientific board of Borys
Grinchenko Kyiv University
27 May 2017 p., record № 5

Head of Scientific board, rector
Ogneviuk V. O.

Educational and professional program

025.00.01 “Musical Art”

the second (master's) level of higher education

Field of knowledge: 02 Culture and art
Specialty: 025 Musical Art
Qualification: Master of Musical Art

Implemented from 01 September 2017
(order of 26 May 2017, № 348)

Kyiv 2017

APPROVAL FORM
of education professional program

Department of theory and methodology of musical art

Order of April 5, 2017, № 10

The Head of the Department _____ O.M.Oleksiuk

Academic board of the Institute of Arts

Order of April 26, 2017, № 8

The Head of Academic board _____ K. Yu. Batsak

The Head of Academic center of

standardization and quality of education

_____ O. V. Leontieva

_____._____. 2017

Vice-rector on Academic Affairs

_____ O. B. Zhyltsov

_____._____. 2017

INTRODUCTION

The educational and professional program has been developed on the basis of the Law of Ukraine «On Higher Education» taking into account the Standard Project on specialty 025 Musical art of the second (Master's) level of higher education by a working group including:

Head of project group (the guarantor of the program):

Oleksiuk Olha Mykolaivna, Doctor of Pedagogical Sciences, Professor, head of the Department of theory and methodology of musical art of the Institute of Arts

Project team members:

1. Izvarina Olena Mykolaivna, Doctor of Arts, Associate Professor, Professor of the Department of theory and methodology of musical art of the Institute of Arts;
2. Kuryshchuk Yevhen Volodymyrovych, candidate of Pedagogical Sciences, Associate Professor of the Department of instrumental and performing Art of the Institute of Arts.

External reviewers:

1. Zhyhinas Tetiana Mykolaivna, Associate Professor of the Department of theory and methodology of voice production of the Faculty of Arts named after A. Avdiievskyi of National Dragomanov Pedagogical University, candidate of Pedagogical Sciences;
2. Ladina Iryna Viktorivna, Deputy Director of the Kyiv municipal academic Opera and ballet theatre for children and youth.

Educational and professional program implemented from 01.09.2017
The term of educational program revision 1 time in 2 years.

Updated:

Date of viewing EP / Changes to the EP			
Signature			
Name and surname of guarantor of EP			

1. The profile of the educational and professional program

Specialty 025 «Musical Art»

1 – General information	
Name of the higher education institution and structural subdivision	Borys Grinchenko Kyiv University Institute of Arts
Degree of higher education and qualification	Higher education degree: Master`s Educational qualification: Master of Music Art Educational program: Musical art Professional qualification: teacher* (by specialization) of a higher educational institution
Official name of the educational and professional program	025.00.01 Musical art
Type of diploma and the volume of the educational program	Master`s diploma, single, 90 credits ECTS, Studying period – 1 year 4 months
Accreditation	The deadline for submitting for an accreditation - 2018.
Cycle / level	NQF Ukraine – 8 level, FQ-EHEA – second cycle, EQF - LLL – 7
Preconditions	Bachelor's degree
Language(s) of instruction	Ukrainian
Duration of the educational program	2019
Internet address of the permanent placement of the description of the educational and professional program	http://kubg.edu.ua/informatsiya/vstupnikam/napryami-pidgotovki/magistr.html
3-Aim of educational program	
	To prepare a competent, competitive specialist in the field of musical and pedagogical education, capable of carrying out professional training of students (future teachers of higher education) in musical subjects. To provide higher art education with the possibility of teaching subjects within the qualification at higher education institutions.
3 - Description of educational and professional program	
Subject area (field of knowledge, study program, specialization (if necessary))	Culture and art. Musical art
Orientation of the educational program	Educational-professional. Directed to independent creative, practical activity
The main focus of the educational program and study program	Special education in the field of musical art. Additional specialization: "Teaching vocals", "Teaching musical instrument", "Teaching conductor and choral disciples", "Teaching musical and theoretical disciplines", "Teaching methodology of musical education".
Features of the program	Formation of professional competitions while studying pedagogy and psychology of higher education, the theory of musical education, methodology of scientific research in the field of art studies and musical pedagogy and teaching methods of musical disciples in higher education.

		<p>The emphasis is on the high level of professional training in teaching vocals, musical instruments, conducting and choral, musical and theoretical subjects, methodology of musical education.</p> <p>General education in the fields of philosophy of culture, professional communication in a foreign language.</p>
4 – Eligibility of graduates for employment and further education		
	Suitability for employment	<p>Jobs in educational and scientific institutions, employment in higher educational institutions; administrative and managerial structures of the branch; institutions of the sphere of communication, management; public and private educational institutions.</p> <p>Graduates can work in professions according to the National Classification of Professions DK 003: 2010: 2310.2 - teacher * (by specialization) of a higher educational institution 1229.6 - Heads of units in the field of culture, recreation and sports 1492 - Managers in the field of culture, recreation and sports 3476 - Organizers in the field of culture and art 3479 - Other specialists in the field of culture and art</p>
	Further education	<p>Possibility to continue research activity at the Doctor of Philosophy (Phd.D.) level. Doctor programs in the field of musical pedagogy, professional education, culture (art studies).</p>
5 – Teaching and Assessment		
	Teaching and learning	<p>Educational process is carried out:</p> <ul style="list-style-type: none"> - on the basis of student-centered, person-oriented, competition, systemic, activity-based, integrated, differentiated and other approaches; - with observation of general scientific, didactic, artistic and aesthetic principles; - with the use of author's techniques and special courses. <p>Styles of interaction between subjects of the educational process</p> <ul style="list-style-type: none"> - democratic tolerance; - professional oriented activity-based style; - artistic and creative. <p>Forms and methods of organization of the educational process:</p> <ul style="list-style-type: none"> - theoretical (lectures, seminars, individual classes, consultations with teachers, independent studying by students of theoretical teaching material: working with textbooks, study aids, search of information in Internet, using abstracts, electronic training courses); - practical (classes in small groups, in computer classes, consultations with teachers). <p>Methods:</p> <ul style="list-style-type: none"> - general science; - pedagogical.

	Assessment	The internal quality assurance system of the University carries out continuous monitoring of the quality of educational services provided by the current and final control: written and practical exams, credits, term papers, current module tests, practice reports, tests.												
6-Program competencies														
	General competences	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td data-bbox="536 371 703 595" style="text-align: center;">GC 1</td> <td data-bbox="703 371 1489 595">Worldview: keeping national spiritual traditions. Understanding the importance of the historical experience of mankind for its own development. General cultural erudition, a wide range of interests. The presence of value-orientation position. Understanding the nature and social significance of the future profession.</td> </tr> <tr> <td data-bbox="536 595 703 779" style="text-align: center;">GC 2</td> <td data-bbox="703 595 1489 779">Civil: the ability to use the rights and perform duties of a citizen of Ukraine. The ability to make a conscious social choice and use democratic decision-making technologies. Ability to act with social responsibility and public consciousness.</td> </tr> <tr> <td data-bbox="536 779 703 963" style="text-align: center;">GC 3</td> <td data-bbox="703 779 1489 963">Communicative: ability to interpersonal communication, emotional stability, tolerance. Ability to work in a team Fluency in the Ukrainian language in accordance with the norms of speech. Ability to professional communication in a foreign language.</td> </tr> <tr> <td data-bbox="536 963 703 1111" style="text-align: center;">GC 4</td> <td data-bbox="703 963 1489 1111">IT:Ability to use cloud services in social and professional activities. Ability to independent search and process of information from various sources to address specific issues.</td> </tr> <tr> <td data-bbox="536 1111 703 1406" style="text-align: center;">GC 5</td> <td data-bbox="703 1111 1489 1406">Methodological: the ability to identify poorly researched aspects in the professional industry that are relevant for the development of pedagogical science and art studies. Understanding the methodology of education. Knowledge of the methodology of scientific and pedagogical research, compliance with the logic of scientific research through the rational use of methodological approaches, methods and tools.</td> </tr> <tr> <td data-bbox="536 1406 703 1592" style="text-align: center;">GC 6</td> <td data-bbox="703 1406 1489 1592">Self-education: the ability to independent cognitive activity, self-organization and self-development. Focus on the disclosure of personal creative potential and self-realization. Striving for personal and professional leadership and success.</td> </tr> </table>	GC 1	Worldview: keeping national spiritual traditions. Understanding the importance of the historical experience of mankind for its own development. General cultural erudition, a wide range of interests. The presence of value-orientation position. Understanding the nature and social significance of the future profession.	GC 2	Civil: the ability to use the rights and perform duties of a citizen of Ukraine. The ability to make a conscious social choice and use democratic decision-making technologies. Ability to act with social responsibility and public consciousness.	GC 3	Communicative: ability to interpersonal communication, emotional stability, tolerance. Ability to work in a team Fluency in the Ukrainian language in accordance with the norms of speech. Ability to professional communication in a foreign language.	GC 4	IT:Ability to use cloud services in social and professional activities. Ability to independent search and process of information from various sources to address specific issues.	GC 5	Methodological: the ability to identify poorly researched aspects in the professional industry that are relevant for the development of pedagogical science and art studies. Understanding the methodology of education. Knowledge of the methodology of scientific and pedagogical research, compliance with the logic of scientific research through the rational use of methodological approaches, methods and tools.	GC 6	Self-education: the ability to independent cognitive activity, self-organization and self-development. Focus on the disclosure of personal creative potential and self-realization. Striving for personal and professional leadership and success.
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	Professional Professional competence (PC)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td data-bbox="536 1592 703 1776" style="text-align: center;">PC 1</td> <td data-bbox="703 1592 1489 1776">Management: readiness to perform organizational, coordination and regulatory functions of the head of the educational-research or musical-creative project. Ability to management activities at the level of musical group (choir, orchestra, ensemble).</td> </tr> <tr> <td data-bbox="536 1776 703 1960" style="text-align: center;">PC 2</td> <td data-bbox="703 1776 1489 1960">Artistic and aesthetic: formation of artistic and aesthetic, art study and cultural knowledge. Ability to analyze, evaluate and interpret cultural phenomena of different epochs, works of art of different styles, genres, and forms; ability to express and prove their own opinion</td> </tr> </table>	PC 1	Management: readiness to perform organizational, coordination and regulatory functions of the head of the educational-research or musical-creative project. Ability to management activities at the level of musical group (choir, orchestra, ensemble).	PC 2	Artistic and aesthetic: formation of artistic and aesthetic, art study and cultural knowledge. Ability to analyze, evaluate and interpret cultural phenomena of different epochs, works of art of different styles, genres, and forms; ability to express and prove their own opinion								
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		PC 3	<p>Psychological and pedagogical: having basic knowledge in pedagogy and psychology of higher school and ability to implement them in educational and professional activity</p> <p>Understanding and complying with the main objectives and principles of music education in practical activities.</p> <p>Willingness to perform the functions of a teacher of a higher educational institution.</p>
		PC 4	<p>Methodical: knowledge of methods of teaching music disciplines in higher school. Knowledge of specifics and methods of teaching students of musical and pedagogical specialties. Understanding the content and principles of training and work programs compilation for professional subjects. Knowledge of the program requirements for the methodology of music education for students of higher educational institutions and knowledge of the methodology of their teaching.</p>
		PC 5	<p>Music and theoretical: knowledge of the theory of music education in Ukraine and abroad, principles and methods of teaching students of higher educational institutions. Ability to apply knowledge of the history and theory of music, harmony, polyphony, analysis of musical works in educational and professional activities.</p> <p>* Knowledge of program requirements for musical and theoretical disciplines for students of higher educational institutions and knowledge of methods of their teaching in higher school (for specialization "Teaching music and theoretical subjects").</p>
		PC 6	<p>Instrumental and pedagogical: the ability to apply instrumental and performing skills in educational, pedagogical and concert-performing activities; to create a personal original concept of performing interpretation of works of composers from different stylistic epochs and national schools. Knowledge of the theory and history of instrumental and performing arts, instrumental and pedagogical repertoire and knowledge of methods of work on working on various forms, genres, and styles. The ability of ensemble, accompaniment and orchestral playing. Knowledge of methods of teaching to play the musical instrument, methods of preparing for a public concert performance and methods of teaching to play the musical instrument in higher school (for specialization "Teaching the musical instrument").</p>
		PC 7	<p>Vocal and pedagogical: the ability to apply own vocal and performing skills in the educational, pedagogical and concert-performing activity.</p> <p>Knowledge of vocal and pedagogical repertoire for different types of voices and methods of its acquisition by students with different levels of training.</p> <p>Mastering the methods of teaching solo singing and methods of teaching vocals in higher school (for specialization "Vocal teaching").</p>

	PC 8	Conducting and choral: skills of choral singing, choral conducting, analysis and reading choral scores. Knowledge of diverse choral repertoire, methods of its arrangement and methods of working on choral pieces. Knowledge of methods of teaching choral conducting and choral singing, methods of working with the choir (for specialization "Teaching conducting and choral disciplines").
7 – Program learning results		
PLR 1	The formation of the world outlook, active citizenship, and a common culture.	
PLR 2	The ability to analyze and interpret social and cultural phenomena and processes, to argue their own value judgments.	
PLR 3	Ability to work in a team (creative collective).	
PLR 4	Ability to speak Ukrainian fluently, the culture of speech.	
PLR 5	Readiness for effective use of IT in social and professional activities.	
PLR 6	Emotional stability, and tolerance.	
PLR 7	Readiness for professional communication in a foreign language.	
PLR 8	Ability to management activities in higher education at the level of the educational/creative project of the academic group, department, faculty in compliance with the principles of the corporate culture. Ability to plan, organize, motivate, and control.	
PLR 9	Knowledge of theory and methodology of musical education.	
PLR 10	Readiness for scientific and pedagogical activity in higher school.	
PLR 11	Ability to independent scientific research in the field of musical pedagogy and art studies.	
PLR 12	Willingness to perform the functions of a teacher of a higher educational institution. Knowledge of the content of the educational program, principles, and methods of teaching students majoring in Musical Art.	
PLR 13	Knowledge of methods of teaching music subjects in higher school (according to the chosen specialization). Ability to choose effective and pedagogically appropriate forms and methods of working with students.	
PLR 14	Understanding the technology of compiling educational and work programs for professional subjects.	
PLR 15	Knowledge of didactic material on musical and theoretical, methodical, musical and performing subjects.	
PLR 16	Ability to form students' academic repertoire for vocal, instrumental, choral and orchestra classes. Knowledge of methods of working on musical pieces of various forms, genres, styles.	
PLR 17	Readiness for public musical and creative activities. Ability to perform a solo concert program in the specialty (vocal / musical instrument/ conducting) in accordance with the chosen specialization.	
PLR 18	Ability to self-realization and disclosure of personal creative potential, professional leadership and success, self-education and self-improvement.	
8 – Resource provision for the implementation of the program		
Staffing	Professional training of students is provided by the teaching staff of the departments of Theory and Methodology of Musical Art, Instrumental and Performing Skills, Academic and Pop Vocal, Foreign Languages and Methodologies, Theory and History of Pedagogy, Pedagogy and	

	<p>Psychology, and Department of Philosophy from the Institute of Arts, Pedagogical Institute and Faculty of History and Philosophy.</p> <p>The practice-oriented nature of the educational program involves wide participation of practitioners, corresponding to the direction of the program, which enhances the synergy of practical and theoretical training.</p> <p>The head of the project group and the teaching staff, which ensures its implementation, meets the requirements defined by the License conditions for the implementation of educational activities of educational institutions.</p>
Material and technical support	<p>The material and technical base of the University is fully consistent with the training of specialists. The educational process is provided with the educational, methodical and scientific literature on paper and electronic media. Rooms for classroom (individual) classes are equipped with professional equipment For the organization of the educational process departments for academic teaching staff are properly equipped. There is a sufficient number of classrooms for lectures, laboratory and practical, as well as individual lessons. The premises are equipped with stationary audio and video recording equipment, a set of multimedia equipment, projecting devices.</p>
Information and educational-methodological support	<p>Visual aids - student works from the funds of the Department, library electronic resources, electronic scientific publications, e-learning courses with the possibility of distance learning and independent work, Microsoft cloud services.</p> <p>Computer classes with applications: WIN7, Smart Software, Microsoft Office, Autodesk 3DS MAX, Sibelius, Cubase Artist, 7zip, AIMP3, doPDF, Faststone image viewer, Filezilla, Foxit reader, Freeplane, Gimp 2, Google Chrome, HotPotatoes 6, iSpring free, K-Lite codec pack, LibreOffice, Pdfcreator, Photo Scape, Screamer Radio, Skype, winDjview reader, Audacity Inkscape, Mozilla Firefox, Opera, Paint.net</p> <p>Practical training centres:</p> <ul style="list-style-type: none"> - training laboratory of performing skills; - educational laboratory of information technologies in musical art; - educational laboratory of pedagogical mastery
9 – Academic mobility	
National credit mobility	
International credit mobility	
Training of foreign applicants for higher education	

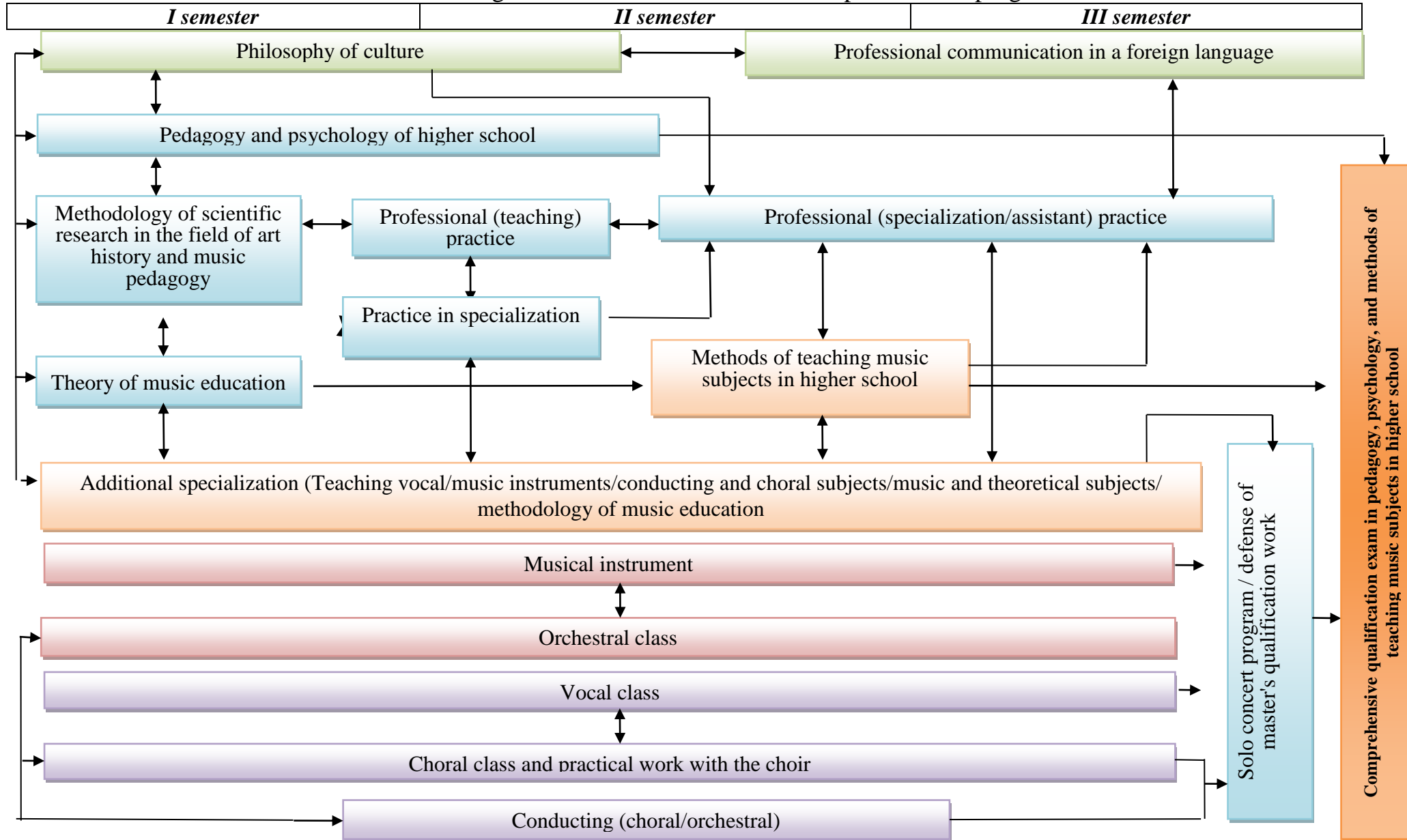
II. The list of components of the educational and professional program and their logical sequence

2.1. The list of components of the education professional program

Component code	Code E/s code	The components of the educational-professional program (study subjects, course projects, practice, qualification work)	Amount of credits	Form of final control
1	2	3	4	5
Compulsory components of the educational and professional program				
CC 1	CDG.01	Philosophy of culture	4	Exam
CC 2	CDG.02	Professional communication in a foreign language	4	Credit
CC 3	CDP.01	Pedagogy and psychology of higher school	6	Exam, exam
CC 4	CDP.02	Theory of music education	4	Credit
CC 5	CDP.03	Methodology of scientific research in the field of art history and music pedagogy	4	Credit
CC 6	CDP.04	Methods of teaching music subjects in higher school	4	Exam
CC 7	CDP.05	Musical instrument	6	Credit, exam
CC 8	CDP.06	The orchestral class	6	Credit, credit
CC 9	CDP.07	Vocal class	6	Exam, credit
CC 10	CDP.08	Choral class and practical work with the choir	6	Credit credit
CC 11	CDP.09	Conducting (choral/orchestral)	6	Exam
CC 12	PP. 1	Production (teaching) practice	9	Credit, credit, credit
CC 13	SP.1	Comprehensive qualification exam in pedagogy, psychology, and methods of teaching music subjects in higher school	1.5	Exam
Total amount of compulsory components:			66.5	
Selective components of the educational and professional program*				
<i>Selective block 1. Choice of additional specialization "Vocal Teaching»</i>				
SC 1.1	SDS.1.1.01	Methods of teaching vocal	4	Exam
SC 1.2	SDS.1.1.02	Vocal and pedagogical practical classes	5	Credit
SC 1.3	PS.1.2.01	Professional (by specialization/continuous) practice	9	Credit, credit
SC 1.4	SS.1.3.01	Preparation of a solo concert program	4.5	Exam
		Vocal qualification exam (performance of solo concert program)	1	
<i>Selective block 2. Choice of additional specialization "Teaching a musical instrument»</i>				
SC 2.1	SDS.2.1.01	Methods of learning to play a musical instrument	4	Exam
SC 2.2	SDS.2.1.02	Instrumental and pedagogical practical classes	5	Credit
SC 2.3	PS.2.2.01	Professional (by specialization/	9	Credit, credit

		continuous) practice		
SC 2.4	SS.2.3.01	Preparation of a solo concert program	4.5	Exam
		Qualification exam in musical instrument (performance of solo concert program)	1	
<i>Selective block 3. Choice of additional specialization "Teaching conducting and choral disciplines»</i>				
SC 3.1	SDS.3.1.01	Methods of teaching conducting and choral singing	4	Exam
SC 3.2	SDS.3.1.02	Workshop on choral conducting and reading scores	5	Credit
SC 3.3	PS.3.2.01	Professional (by specialization/continuous) practice	9	Credit, credit
SC 3.4	SS.3.3.01	Preparation of a solo concert program	4.5	Exam
		Qualification exam in choral conducting and methods of working with the choir	1	
<i>Selective block 4. Choice of additional specialization "Teaching music and theoretical subjects»</i>				
SC 4.1	SDS.4.1.01	Methods of teaching musical and theoretical disciplines	4	Exam
SC 4.2	SDS.4.1.02	Workshop on teaching musical and theoretical subjects	5	Credit
SC 4.3	PS.4.2.01	Professional (assistant/continuous) practice	9	Credit, credit
SC 4.4	SS.4.3.01	Preparation of a qualification master's work	4.5	Exam
		Defence of qualification master's work	1	
<i>Selective block 5. Choice of additional specialization "Teaching methodology of music education»</i>				
SC 5.1	SDS.5.1.01	Methodology of teaching "Methodology of music education"	4	Exam
SC 5.2	SDS.5.1.02	Workshop on teaching methodology of music education	5	Credit
SC 5.3	PS.5.2.01	Professional (assistant/continuous) practice	9	Credit, credit
SC 5.4	SS.5.3.01	Preparation of a qualification master's work	4.5	Exam
		Defence of qualification master's work	1	
Total amount of selective components:			23.5	
THE TOTAL AMOUNT OF THE EDUCATIONAL AND PROFESSIONAL PROGRAM			90	

2.2. Structural and logic scheme of the educational and professional program



III. Form of certification of applicants for higher education

Certification of graduates of the educational and professional program 025.00.01 "Musical art", specialty 025 "Musical art" is held in the form of a comprehensive qualification exam in pedagogy, psychology and methods of teaching music subjects in higher school and, depending on the choice of specialization, the performance of a solo concert program (SS.1.3.01; SS.2.3.01; SS.3.3.01) or defence of master's work (SS.4.3.01; SS.5.3.01) and ends with the issuance of a document of the established sample for the award of a master's degree with the qualification: Master of music.

Certification is carried out openly and publicly.

IV. The matrix of compliance of program competencies with components of the educational and professional program

Symbols of program competencies and educational components	CC 1	CC 2	CC 3	CC 4	CC 5	CC 6	CC 7	CC 8	CC 9	CC 10	CC 11	CC 12	CC 13	SC 1.1	SC 1.2	SC 1.3	SC 1.4
GC 1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC 2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC 3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC 4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC 5				+	+	+						+		+	+	+	
GC 6	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PC 1								+	+	+	+	+				+	
PC 2	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PC 3			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PC 4					+	+						+	+	+	+	+	
PC 5				+		+						+	+				
PC 6							+	+				+					
PC 7									+	+		+		+	+	+	+
PC 8										+	+	+					

**V. The matrix of providing program learning results
with relevant components of the educational and professional program**

Symbols of program competencies and educational components	CC1	CC2	CC3	CC4	CC5	CC6	CC7	CC8	CC9	CC10	CC11	CC12	CC13	SC 1.1	SC 1.2	SC 1.3	SC 1.4
PLR 1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PLR 2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PLR 3								+	+	+	+	+			+	+	
PLR 4	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	
PLR 5	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PLR 6	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PLR 7		+															
PLR 8								+	+		+	+				+	
PLR 9				+	+	+											
PLR 10					+	+						+	+			+	
PLR 11				+	+	+							+	+			
PLR 12			+	+		+						+	+	+		+	
PLR 13						+						+		+		+	
PLR 14						+								+			
PLR 15							+	+	+	+	+						
PLR 16						+	+	+	+	+	+			+			+
PLR 17																	+
PLR 18												+					+

Symbols of program competencies and educational components	SC 2.1	SC 2.2	SC 2.3	SC 2.4	SC 3.1	SC 3.2	SC 3.3	SC 3.4	SC 4.1	SC 4.2	SC 4.3	SC 4.4	SC 5.1	SC 5.2	SC 5.3	SC 5.4
PLR 1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PLR 2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PLR 3		+	+			+	+	+		+	+			+	+	
PLR 4	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+
PLR 5	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PLR 6	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PLR 7																
PLR 8			+				+	+			+				+	
PLR 9													+	+	+	+
PLR 10			+				+				+	+			+	+
PLR 11	+				+				+			+	+			+
PLR 12	+		+		+		+	+	+		+		+		+	
PLR 13	+		+		+		+		+		+		+		+	
PLR 14	+				+				+				+			
PLR 15																
PLR 16	+			+	+			+	+							
PLR 17				+				+								
PLR 18				+				+				+				+