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S.Seifullin Kazakh Agrotechnical University
Department of Computer System
and Vocational Training
Shakhmetova D.S.
2022r.



CATALOG OF ELECTIVE DISCIPLINES

For students in the direction of preparation 6B014 Teacher training with subject specialisation for general development

Brief description of the elective disciplines of the educational program

EPG	EP	Form of education	The name of discipline	Code of subject	Discipline cycle	Component	Number of credits	Level of training	Cafedra	Course	Academic period	Pre-requisites	Post-requisites	Brief content of the discipline	Key learning outcomes	Name of the alternative discipline
B007 - «Training of teachers of art work and drawing»	6B01401 - «Vocational education "Technical maintenance and service of automobiles»»	Full-time (bachelor 4 years) trimester	Draft execution automation.	AVCh 3200	BS	Elective subjects	5.0	Bachelor	Technical mechanics	3	1	Descriptive geometry and engineering graphics, Foreign language, Mathematics	Fundamentals devices of vehicle and the theory of ICE (Internal combustion engine), Internship, Repair, maintenance and technical diagnostics of motor vehicles	Study of the basic principles and methodologies of modern computer-aided design when creating electronic tools, methods and techniques for solving problems in the main sections of the discipline using design automation tools, creation of mathematical models of construction, automation of preparation and release of design and technological documentation: SolidWorks systems, Compass 3D, Altium Designer, T-Flex CAD.	Demonstrate the skills of designing and calculating the structures of agrotechnological machines, substantiating the system of machines and equipment for cultivation, harvesting, storage and processing of crop and livestock products. Develop technical drawings with the requirements of the ESCD, possess the skills of modern computer-aided design, apply in practice the compliance of the developed projects and technical documentation, and other regulatory documents on the design and calculation of design development.	
B007 - «Training of teachers of art work and drawing»	6B01401 - «Vocational education "Technical maintenance and service of automobiles»»	Full-time (bachelor 4 years) trimester	Etnopedagogy	Etn 3200	BS	Elective subjects	5.0	Bachelor	Профессиональное образование	3	3	Cultural studies and psychology, Introduction in the Teaching Profession, Pedagogy, Philosophy, Political science and sociology	Teaching practice, Theory and methodology of educator work	The subject and tasks of "Ethnopedagogy". The pedagogical role of the children's environment in folk pedagogy. Traditions of labor training and education. Moral education in folk pedagogy. People's system of mental education. Aesthetic education. Physical education. Proverbs and sayings as pedagogical miniatures of the people. Song poetry education. Tales in the popular education system. Folk games. Family education in folk pedagogy.	Possess the skills of pedagogical communication and methods of managing an individual and a group; The development of a diverse personality of college students. Monitor the mental development of students at various levels of education; Apply methods of psychological and pedagogical diagnostics	
B007 - «Training of teachers of art work and drawing»	6B01401 - «Vocational education "Technical maintenance and service of automobiles»»	Full-time (bachelor 4 years) trimester	Interchangeability of standardization and technical measurements	VSTI 3200	BS	Elective subjects	5.0	Bachelor	Стандартизация, метрология и сертификация	3	3	Descriptive geometry and engineering graphics, Design foundations and machine parts, Fundamentals of science, Mathematics, Reliability of technological machines, Technology of construction materials, Theoretical and applied mechanics	Teaching practice	The studying of modern worldview concepts and principles in the field of interchangeability, standardization and technical measurements. The acquisition of deep knowledge and solid skills for their application in practice. Familiarization of students with the basics of standardization and interchangeability and development of students' skills in solution to a questions of practical use of reference technical literature in the production, repair and operation of equipment.	Develop technical drawings with the requirements of the ESCD, possess the skills of modern computer-aided design, apply in practice the compliance of the developed projects and technical documentation, and other regulatory documents on the design and calculation of design development.	

B007 - «Training of teachers of art work and drawing»	6B01401 - «Vocational education "Technical maintenance and service of automobiles»»	Full-time (bachelor 4 years) trimester	labour safety	OT 4200	BS	Elective subjects	5.0	Bachelor	Mechanization of technological processes	4	2	Descriptive geometry and engineering graphics, Fundamentals of science, Mathematics	Teaching practice	Occupational hazards at the workplace, production site, enterprise, taking into account the dangerous factors of the production environment, the labor process; requirements of labor laws, rules and labor protection standards at the workplace, production site, enterprise using knowledge of technological production processes; labor law requirements. The Labor Code of the Republic of Kazakhstan and other regulatory legal acts containing labor law provisions relating to the organization of labor (internal work regulations, leave regulations, travel regulations, etc.).		Environmental Chemistry
B007 - «Training of teachers of art work and drawing»	6B01401 - «Vocational education "Technical maintenance and service of automobiles»»	Full-time (bachelor 4 years) trimester	Environmental Chemistry	OOS 4220	BS	Elective subjects	5.0	Bachelor	Ecology	4	2	Basics of economics and law, Political science and sociology, The modern history of Kazakhstan	Teaching practice	Environmental protection or nature protection, nature protection is a set of measures designed to limit the negative impact of human activity on the environment. The diversity of the impact of scientific and technological progress on the surrounding biosphere. Protection and improvement of the environment for the prosperity of our and future generations	Read types of design documentation and carry out drawings, diagrams in accordance with the requirements of ESKD standards, use computer programs for drawing up drawings; Perform work on the basis of labor laws and in accordance with the rules and regulations of labor protection, safety, industrial hygiene and fire protection.	labour safety
B007 - «Training of teachers of art work and drawing»	6B01401 - «Vocational education "Technical maintenance and service of automobiles»»	Full-time (bachelor 4 years) trimester	Acmeology and pedagogical skills	APM 4308	AS	Elective subjects	5.0	Bachelor	Профессиональное образование	4	2	Cultural studies and psychology, Introduction in the Teaching Profession, Philosophy, Political science and sociology	Modern technologies of Teaching in the system of PE, Teaching practice	Acmeology as a science of human knowledge system. Stages of the formation of acmeology. Acmeological approach to the study of the development of a mature personality. Acmeological methods, models, technologies. Pedagogical acmeology. The development of prof. competence and its special types. The essence of ped.masterstva and its structure. The speech of the teacher as the main means of his prof. Interaction Mastery ped. communication Pedagogical tact and skill of the teacher.	Manage the educational process of colleges; Develop educational and program documentation and use them to form the content of education; Conduct educational work with students of colleges; Build research skills in student colleges.	

The catalog of elective disciplines was reviewed and approved by the faculty council, protocol N 16 27.06 2022

Head of department



M.D. Yessekeshova