



Confirm
Dean of Forestry,
Wildlife and Environment Faculty
D.N. Sarsekova
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For students in the direction of preparation 6B083 Forestry
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
B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Ecology and life safety fundamentals	EOBZh 1145	GER	Elective subjects	5.0	Bachelor	Ecology	1	2	Forest botany and physiology of woody plants, Dendrology, Ecology and fundamentals of life safety	Forestry with the basics of recreational use, Forest management and forest protection	The laws of ecology, as a theoretical basis for nature conservation and rational nature management, the relationship of organisms with environmental factors and habitat conditions, the biosphere-noosphere concept of V.I. Vernadsky, concepts and concepts of sustainable development.	To be able to analyze the influence of environmental factors on the vital activity of living organisms and the environment; Possess the basics of economic and legal knowledge in the forestry sector; know and understand the goals and methods of state regulation of the economy. Evaluate and integrate the basic theories of motivation, leadership and power to solve strategic and operational management tasks, understand the importance of the principles and culture of academic integrity and anti-corruption culture.	Basics of anti-corruption culture, Basics of economics and law, Innovative entrepreneurship, Introduction to leadership in education
B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Basics of anti-corruption culture	OAK 1151	GER	Elective subjects	5.0	Bachelor	Economy	1	2			The discipline examines the theoretical and methodological foundations of the concept of "corruption" and examines the improvement of socio-economic relations of the Kazakh society as a condition for combating corruption, psychological features of the nature of corrupt behavior, formation of anti-corruption culture, features of formation of anti-corruption culture of youth, ethnic features of formation of anti-corruption culture, moral and ethical responsibility for corruption in various spheres. Discipline allows you to learn about legal responsibility for corruption offenses	Analyze in a logical and quantitative way the conditions for the development of production and evaluate the competitiveness of created products on the principles of engineering, study innovative entrepreneurship and anti-corruption culture, formulate inventions	Basics of economics and law, Ecology and life safety fundamentals, Innovative entrepreneurship, Introduction to leadership in education
B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Introduction to leadership in education	VLO 1152	GER	Elective subjects	5.0	Bachelor	Профессиональное образование	1	2			The discipline analyzes and studies the model of effective communication of the leader, methods of management in critical situations, methods of work in the management team and the principle of distribution of roles in the team, methods of effective control and motivation of training. It provides an opportunity to study the theory of leadership qualities and at the same time the concept of leadership behavior (three leadership styles (K. Levin), research at the University of Ohio, research at the University of Michigan, management system (R. Likert), management grid (Blake and Mouton), concept of reward and punishment, substitute leadership (S. Kerr and J. Germier).	To organize highly efficient operation of machines, apparatus, machinery and technological equipment in production, to show leadership qualities	Basics of anti-corruption culture, Basics of economics and law, Ecology and life safety fundamentals, Innovative entrepreneurship
B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Innovative entrepreneurship	IP 1153	GER	Elective subjects	5.0	Bachelor	Economy	1	2			Form students' knowledge of the fundamental concepts of innovative development, modern approaches to the implementation of entrepreneurial activity in the field of new technologies to ensure the competitiveness of an innovative enterprise on the market. Understand the economic essence of innovative entrepreneurship, business planning, venture financing and know the types of firms with venture capital. Possess skills in risk management, human resource management, innovative management and innovative processes, as a condition for economic growth	Analyze in a logical and quantitative way the conditions for the development of production and evaluate the competitiveness of created products on the principles of engineering, study innovative entrepreneurship and anti-corruption culture, formulate inventions	Basics of anti-corruption culture, Basics of economics and law, Ecology and life safety fundamentals, Introduction to leadership in education

B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Basics of economics and law	OEP 1154	GER	Elective subjects	5.0	Bachelor	Economy	1	2			The discipline promotes knowledge of the subject of economic theory and methods of research, the basis of public production and forms of public economy, the mechanism of functioning of the market system, production, costs and income of the firm, national economy. Give an assessment of economic growth and instability of the market economy, inflation and unemployment as manifestations of economic instability. Demonstrate knowledge and skills in the financial and monetary credit system in the national economy and economic security. To master the basics of the theory of the state and law, the basics of constitutional, administrative, civil, labor, family, criminal law.	Analyze in a logical and quantitative way the conditions for the development of production and evaluate the competitiveness of created products on the principles of engineering, study innovative entrepreneurship and anti-corruption culture, formulate inventions	Basics of anti-corruption culture, Ecology and life safety fundamentals, Innovative entrepreneurship, Introduction to leadership in education
B079 - «Forestry»	6B08303 - «Protective forestation» 6B08302 - «Landscape design and gardening»	Full-time (bachelor 4 years) trimester	Forest science and forest resource studies	LLR 2258	BS	Elective subjects	6.0	Bachelor	Forest resources and forestry	2	1	Forest botany and physiology of woody plants, Dendrology, Ecology and fundamentals of life safety	Forestry with the basics of recreational use, Forest management and forest protection	Forest science is a scientific discipline about the nature of the forest, its biology and ecology, the laws of dynamics in space and time. It is an integral part of forestry, its natural and historical basis. Forest resources science - accounting and integrated assessment of forest plant resources. Quantitative and qualitative accounting of all plant organic matter produced by forests, multi-purpose, rational, continuous, sustainable use of forests.	Know the morphology and ecology of forest biogeocoenoses; patterns of renewal and formation of stands, tree species change; determine the types of forest resources, their geographical location, ways and possibilities of their rational use; be able to determine the species affiliation of birds and mammals by traditional and electronic identifiers.	Forest science
B079 - «Forestry»	6B08303 - «Protective forestation» 6B08302 - «Landscape design and gardening»	Full-time (bachelor 4 years) trimester	Meteorology	Met 2259	BS	Elective subjects	4.0	Bachelor	Agriculture and plant growing	2	1	Basic school knowledge	forest nursery, Forestry with the basics of recreational use, Planting of greenery in populated areas, Silviculture	Instruments for meteorological observations, methods, characteristics and assessment of climate and weather conditions of the growing season. Natural resources and the damage caused by extreme weather events. Types and forms of meteorological information, their use in livestock and crop production. Use of agroclimatic and agrometeorological information for programming in agriculture.	Know and understand the features of forest soil as a natural formation and afforestation, soil formation factors; be able to correctly evaluate and determine the composition, properties and regimes of soils; know the methods of efficient use of climate and microclimate resources when performing mechanized work in forestry; master the methods of climatic and meteorological characteristics and assess the conditions of the growing season of woody and shrub plants.	Meteorological observations in the forest
B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Biology of forest animals and birds	BLZP 2255	BS	Elective subjects	4.0	Bachelor	Hunting and fishery	2	2	Forest science and forest resource studies	Forest management	Biology of forest animals and birds as a science engaged in theoretical studies and development of practical measures for the protection, rational use and reproduction of forest fauna considers forest birds and studies forest mammals, their importance in forestry, as well as hunting animals and methods of hunting.	Know the morphology and ecology of forest biogeocoenoses; patterns of renewal and formation of stands, tree species change; determine the types of forest resources, their geographical location, ways and possibilities of their rational use; be able to determine the species affiliation of birds and mammals by traditional and electronic identifiers.	Forest zoology and game management
B079 - «Forestry»	6B08303 - «Protective forestation» 6B08302 - «Landscape design and gardening»	Full-time (bachelor 4 years) trimester	The Forest Soil Science	LP 2260	BS	Elective subjects	4.0	Bachelor	Soil science and agricultural chemistry	2	2	Basic school knowledge	Silviculture, forest nursery, Forestry with the basics of recreational use, Planting of greenery in populated areas	General scheme of soil formation process. The chemical composition of the soil. Soil structure. Physical properties of soil. Soil solution and redox processes in soils. Water, air and thermal properties and soil regimes. Soil fertility. Genesis, classification and geography of soils. Soil erosion and control measures. Land resources of Kazakhstan, their use and soil protection.	Know and understand the features of forest soil as a natural formation and afforestation, soil formation factors; be able to correctly evaluate and determine the composition, properties and regimes of soils; know the methods of efficient use of climate and microclimate resources when performing mechanized work in forestry; master the methods of climatic and meteorological characteristics and assess the conditions of the growing season of woody and shrub plants.	Soil erosion control methods
B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Engineering geodesy	IG 2256	BS	Elective subjects	5.0	Bachelor	Geodesy and cartography	2	3	forest soil science	Forest silviculture, forest nursery, Forestry with the basics of recreational use, Planting of greenery in populated areas	Methods of design and Stakeout of objects of industrial enterprises and civil complexes; to distinguish types of planned signs and high-altitude reference points for accurate engineering and geodetic works; construction of scientific and technical justification of schemes and programs of optimal geodetic constructions; skills of information search from the field of geodesy and information from the field of geodesy on the Internet	To be able to carry out measurements in the field using geodetic instruments, describe boundaries and locate on-site forest facilities on the ground, and carry out computational processing of the results of field measurements on a computer; be able to choose and practice the use of technical means of mechanization; calculate technological indicators of forestry machinery and equipment.	Geodesy and Cartography

B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Forest growing plantation	PL 3264	BS	Elective subjects	4.0	Bachelor	Forest resources and forestry	3	1	Forest soil science, Dendrology, Forest nursery, Forest silviculture	Forest management, Mechanization of forestry works, Protective afforestation and forest reclamation	Plantation forest cultivation is the science of accelerated cultivation of highly productive forest plantations to produce wood raw materials of a given type. Plantation forest cultivation is characterized by a high level of forest production – from the preparation of the area and the initial planting material to regular agrotechnical and forestry care, which is carried out before cutting the plantation.	Know the theoretical foundations of forest nursery and the biological characteristics of the main tree and shrub species, the basics of the design of forest nurseries, the principles of forest seed zoning and agrotechnical care, cultivation of planting materials; be able to make a project of a forest nursery; create a project of forest crops, mechanized and manual technology; to know the basic regulatory documents on reforestation and afforestation in the Republic;	Protective afforestation
B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Selection of forest tree species	SLDK 3265	BS	Elective subjects	5.0	Bachelor	Forest resources and forestry	3	2	Forest nursery, forest soil science, forest silviculture	Forest management, landscaping of populated areas, forest management	Selection of forest tree species is part of the selection - applied section of genetics, which develops the theory, methods of creation and improvement of forest species. Forest selection is the basis for the development of forest seed production on a genetic and breeding basis. Selection of woody plants is carried out to increase productivity, improve the quality of woody plants and increase resistance (to pathogens forest pests).	Know the methods of hybridization, mutagenesis and polyploidy to create primary breeding material; sticks for selection of plus trees and plantations of the main forest-forming species of Kazakhstan; be able to use selection methods to obtain forest woody plants with a complex of economically valuable traits; to analyze the results of hybridization, cultivation of forest tree species.	Selection of wood and flower plants
B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Mechanization of forest operations	MLR 3257	BS	Elective subjects	4.0	Bachelor	Forest resources and forestry	3	3	Dendrology, Forest soil science, Forest nursery, Forest silviculture, Forest growing plantation	Forest management, Forest management, Forest commodity science, Planting of greenery in populated areas, Occupational safety in forestry, Forest economy	Mechanization of forestry works - studies technologies and technical means for the organization of forestry works, devices and principles of the basic mechanisms and systems of machines, as well as to have an idea of their role and place in forestry production.	Know and understand the features of forest soil as a natural formation and afforestation, soil formation factors; be able to correctly evaluate and determine the composition, properties and regimes of soils; know the methods of efficient use of climate and microclimate resources when performing mechanized work in forestry; master the methods of climatic and meteorological characteristics and assess the conditions of the growing season of woody and shrub plants.	Mechanization of forestry production
B079 - «Forestry»	6B08303 - «Protective forestation» 6B08302 - «Landscape design and gardening»	Full-time (bachelor 4 years) trimester	Geoinformation systems and forest remote sensing	GSDZL 4261	BS	Elective subjects	5.0	Bachelor	Forest resources and forestry	4	2	Engineering improvement of territories, Forest valuation with the basics of forest inventory, Information and communication technologies	Geoinformation systems and forest remote sensing is the basis for writing the final work and the formation of professional skills of the bachelor.	The digital map and electronic map. Vector and raster representation of geographic information. The concept of computer-aided design (CAD). Types of digital terrain models, methods of construction of digital terrain models and their accuracy. The principles of operation of GPS". Classification "GPS". Basic support "DGPS"-stations.	To master knowledge and skills on the laying of forest management trial plots and on the allocation of cutting areas, tree counting; determine taxation indicators of the stand; be able to draw up forest management documents; own methods of processing the received collected statistical data and develop methods for creating variations; to possess the skills to perform basic operations for the analysis of spatial and attribute information, the basic GIS software tools used in forestry practice.	Aerospace methods in forestry
B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Forest management and forest legislation	LLZ 4263	BS	Elective subjects	5.0	Bachelor	Forest resources and forestry	4	2	Forest nursery, Mechanization of forestry works, silviculture	Forest inventory, Forest management, Fundamentals of entrepreneurial activity in forestry, Forest economy	The course is devoted to the study of the main issues of Economics, organization and management of forestry, the organization of operational management of forest technological processes, effective use of forest materials, human and financial resources, technology and technology management, regulation and organization of management work. The topical issues of forestry and forest industry, efficiency of forest management activities, rational use and reproduction of forest resources, forest productivity are considered.	Know the principles, regulations and standards of management and licensing, control functions of state institutions for the protection of forests and wildlife; be able to do a feasibility study of the planned forestry activities; have the methods of justification and adoption of entrepreneurial decisions, the choice of strategy in entrepreneurship, the determination of the degree of risk and responsibility for the obligations undertaken in promising areas of business in forestry.	Forest management

B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Fundamentals of entrepreneurial activities in forestry	OPDLH 4266	BS	Elective subjects	5.0	Bachelor	Forest resources and forestry	4	2	Forest nursery, Forest management	Forest economics, writing a thesis (projects)	Fundamentals of entrepreneurship in forestry is the science of the main areas of business law, the normative legal acts in the field of business relations, the specifics of business relations.	Know the principles, regulations and standards of management and licensing, control functions of state institutions for the protection of forests and wildlife; be able to do a feasibility study of the planned forestry activities; have the methods of justification and adoption of entrepreneurial decisions, the choice of strategy in entrepreneurship, the determination of the degree of risk and responsibility for the obligations undertaken in promising areas of business in forestry.	Fundamentals of Agribusiness and Entrepreneurship
B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Forest regulation	Les 4292	BS	Elective subjects	5.0	Bachelor	Forest resources and forestry	4	2	Forest plantations, forest nursery, Forestry with the basics of recreational use,	Protective afforestation and forest reclamation	Forest management is a system of state measures aimed at ensuring rational use, increasing productivity, reproduction, protection and preservation of forests, as well as improving the culture of forestry. This is a complex of works on the organization of the forest fund, description (forest inventory), accounting and study of forests, development of forest management projects for a promising period.	To master knowledge and skills on the laying of forest management trial plots and on the allocation of cutting areas, tree counting; determine taxation indicators of the stand; be able to draw up forest management documents; own methods of processing the received collected statistical data and develop methods for creating variations; to possess the skills to perform basic operations for the analysis of spatial and attribute information, the basic GIS software tools used in forestry practice.	Forest valuation with the basics of forest inventory
B079 - «Forestry»	6B08303 - «Protective forestation»	Full-time (bachelor 4 years) trimester	Forest economics	LE 4267	BS	Elective subjects	5.0	Bachelor	Forest resources and forestry	4	3	Fundamentals of Economics and Law, Fundamentals of entrepreneurial activities in forestry	writing a thesis (projects)	Forest economy - forest as an object of management, forestry as a branch of material production, continuous non-exhaustive use of forest, branch features of forest economy, payments for forest resources, the requirement for sustainable forest management. Profit and profitability of production.	Know the principles, regulations and standards of management and licensing, control functions of state institutions for the protection of forests and wildlife; be able to do a feasibility study of the planned forestry activities; have the methods of justification and adoption of entrepreneurial decisions, the choice of strategy in entrepreneurship, the determination of the degree of risk and responsibility for the obligations undertaken in promising areas of business in forestry.	Climate change and green economy
B079 - «Forestry»	6B08302 - «Landscape design and gardening»	Full-time (bachelor 4 years) trimester	Engineering improvement of territories	IBT 2215	BS	Elective subjects	4.0	Bachelor	Architecture and design	2	2	Ecology and fundamentals of life safety, dendrology	Architectural graphics and fundamentals of composition, Botanical gardens and greenhouse business, Economics of green building	Influence of local conditions on the choice of the territory of populated areas. Accounting for the main natural factors: climate, topography, geology, hydrogeology, geomorphology. Characteristics of soils and vegetation. Assessment of the suitability of the territory for their use in urban planning. Forecast and change in existing conditions as a result of human economic activity in the developed territory. Features of engineering preparation of the territory during the reconstruction of cities. Design documentation for engineering preparation of populated areas.	To know the types and conduct of preliminary work on landscaping, the primary planning of the territory to know the classification of landscaping objects, the area of their use, the features of their designs to be able to organize and plan the landscaping of territories in order to ensure the reliability, safety and efficiency of the work of landscaping objects to own the methods of monitoring and assessing the technical condition of landscaping objects	Landscape organization of territories
B079 - «Forestry»	6B08302 - «Landscape design and gardening»	Full-time (bachelor 4 years) trimester	Architectural graphics and composition basics	AGOK 2217	BS	Elective subjects	5.0	Bachelor	Архитектура и дизайн	2	3	Engineering improvement of territories	Plant compositions and floristry, landscaping of populated areas and landscaping	Elements of the Park landscape. The structure of the Park space. The ratio of a green three-dimensional shapes. Methods of organization of relations of Park spatial forms. Drafting layout and planting drawings of sections of the planting sites.	Know the techniques used in the practice of landscape design, the means of expressing artistic images, methods of constructing forms on a plane; the typology of specialized gardens and parks; be able to build a perspective image (landscape, architectural structure), build an axonometric image of an object (tree, building), own methods of spatial construction of forms on a plane, techniques for constructing both volumetric and spatial forms and objects of landscape architecture, methods of linear and tonal graphics, frontal, volumetric, deep-spatial composition	Architectural graphics and creation of models

B079 - «Forestry»	6B08302 - «Landscape design and gardening»	Full-time (bachelor 4 years) trimester	Protection of woody and flower plants	ZDCR 3210	BS	Elective subjects	5.0	Bachelor	Forest resources and forestry	3	2	Dendrology, Forest botany and physiology of woody plants	Forest silviculture, forest nursery, Forestry with the basics of recreational use, Planting of greenery in populated areas	Ecology and dynamics of pests and diseases of green spaces. Methods and means of forest protection against pests and diseases. The main features of the biology of forest pests. The main ecological groups of forest pests. Diseases of seedlings and young plantations. Diseases of adult plantings. Destruction of wood. Methods of accounting and forecasting of diseases.	To know the methods of hybridization, mutagenesis and polyploidy to create primary breeding material be able to study the signs of the quality of trees, know how to preserve a valuable gene pool, identify breeding categories of trees, know the holdings for the selection of plus trees and plantations of the main forest-forming species of Kazakhstan. To be able to analyze the results of hybridization, cultivar breeding of forest tree species and flower crops	Plant protection and quarantine
B079 - «Forestry»	6B08302 - «Landscape design and gardening»	Full-time (bachelor 4 years) trimester	Selection of wood and flower plants	SDCR 3235	BS	Elective subjects	5.0	Bachelor	Forest resources and forestry	3	2	Silviculture, Forest nursery, forest soil science	Gardening of the occupied places and improvement of territories	Breeding is the science of creating varieties and hybrids of plants. Methods of hybridization, mutagenesis and polyploidy to create a primary breeding material. The main directions of selection of wood and flower plants. Regularities of variability of morphological traits and their relation with economic categories. Selection and genetic methods to increase productivity and improve the quality of woody and floral plants. Success of selection of wood and flower plants.	Know the methods of hybridization, mutagenesis and polyploidy to create primary breeding material; sticks for selection of plus trees and plantations of the main forest-forming species of Kazakhstan; be able to use selection methods to obtain forest woody plants with a complex of economically valuable traits; to analyze the results of hybridization, cultivation of forest tree species.	Selection of forest tree species
B079 - «Forestry»	6B08302 - «Landscape design and gardening»	Full-time (bachelor 4 years) trimester	Mechanization of greening works	MOR 3216	BS	Elective subjects	4.0	Bachelor	Forest resources and forestry	3	3	Forest soil science, Forest nursery, Silviculture	Landscaping of populated areas and landscaping. Technology and organization of green building	Power tools used in landscaping. Forestry machines and tools. The use of machines in landscaping. Basic parts of machines and mechanisms, the General structure, tractors and cars, the main forestry machines and tools, the organization of the use of machines and tools in forestry, traction and operational calculations. Basics of technical operation of the tractor fleet.	ON 8. Know the types and implementation of preliminary work on landscaping, the typology of specialized gardens and parks, the arrangement of basic landscaping machines, the principle of their operation; be able to organize and plan the improvement of territories in order to ensure reliability; own methods of monitoring, assessing the technical condition of landscaping facilities; be able to choose in practice, apply technical means of mechanization; prepare and read layout drawings and landing drawings.	Mechanization of forestry production
B079 - «Forestry»	6B08302 - «Landscape design and gardening»	Full-time (bachelor 4 years) trimester	Labor protection in forestry	OTLH 3225	BS	Elective subjects	4.0	Bachelor	Forest resources and forestry	3	3	Forest nursery, Ecology and fundamentals of life safety	Protection of woody and flower plants, Forest inventory with the basics of forest inventory, Forest management and forest protection, Mechanization of planting works.	Labor protection in forestry - General safety requirements for professions and types of work in forestry performed in the field. General safety requirements for the Forester when performing work on the territory of the forest Fund, tillage, sowing and planting of forests, work in forest nurseries, work in greenhouses, extinguishing forest fires, preparation of cutting areas in the cabin, etc.	Know the basic legal acts on labor safety, fire safety, industrial sanitation and hygiene; the system of state supervision and public control over labor protection. Develop and implement measures to improve working conditions, reduce injuries, develop instructions for labor protection; check the serviceability of technical means of protection.	labour safety
B079 - «Forestry»	6B08302 - «Landscape design and gardening»	Full-time (bachelor 4 years) trimester	Forest use and forest protection	LOL 3226	BS	Elective subjects	4.0	Bachelor	Forest resources and forestry	3	3	Forestry with the basics of recreational use, Mechanization of landscaping, Labor protection in forestry.	Geographic information systems and forest remote sensing, Planting of greenery in populated areas and landscaping	Logging work. General information on forest management. Logging. Technology and organization of logging operations. Technology and technique of tapping. Basics of chemical processing of non-wood products. Side use of the forest. Classification of forest fires. Causes of forest fires. Detection and suppression of forest fires. Organization of forest fire control and planning of fire-fighting activities.	ON 9. Know the technology and organization of logging and slashing, harvesting and processing of wood; be able to design and organize the production of integrated harvesting, wood processing; know the basic regulatory legal acts on labor safety; design and carry out fire prevention measures; know and understand theoretical knowledge in the field of ecology of insects and pathogens, rules for the operation of technological equipment during forest protection work.	Use of forest products in the growing forest and non-wood prod

B079 - «Forestry»	6B08302 - «Landscape design and gardening»	Full-time (bachelor 4 years) trimester	Fundamentals of entrepreneurial activities in forestry	OPDLH 4212	BS	Elective subjects	5.0	Bachelor	Forest resources and forestry	4	1	Forest nursery, Forest management	Лесная экономика, написание дипломной работы (проекта)	Fundamentals of entrepreneurship in forestry is the science of the main areas of business law, the normative legal acts in the field of business relations, the specifics of business relations.	Know the principles, regulations and standards of management and licensing, control functions of state institutions for the protection of forests and wildlife; be able to do a feasibility study of the planned forestry activities; have the methods of justification and adoption of entrepreneurial decisions, the choice of strategy in entrepreneurship, the determination of the degree of risk and responsibility for the obligations undertaken in promising areas of business in forestry.	Innovative entrepreneurship
B079 - «Forestry»	6B08302 - «Landscape design and gardening»	Full-time (bachelor 4 years) trimester	Economics of green construction	EZS 4213	BS	Elective subjects	5.0	Bachelor	Forest resources and forestry	4	3	Fundamentals of entrepreneurial activity in forestry, Forestry with the basics of recreational use, sylviculture	Writing a thesis (projects)	Workforce and productivity in green building. The role of green building in the agribusiness system. Features of the use of the market mechanism in forestry and forestry. The concept and features of goods and services in forestry and forestry. Production cost. Profit and profitability of production. Prices and pricing in green building.	ON 11. Know the principles, regulations and standards of management and licensing activities, control functions of state institutions for the protection of forests and wildlife; be able to make a feasibility study of projected forestry activities; possess methods of substantiating and making entrepreneurial decisions, choosing a strategy in entrepreneurship, determining the degree of risk and responsibility for the obligations assumed in promising areas of business in forestry.	Climate change and green economy

The catalog of elective disciplines was approved by the Council protocol of the Faculty of Forestry, Wildlife and Environment

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