

6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Land valuation and taxation	ONZ 2328	AS	Elective subjects	5.0	Bachelor	Land management	2	2	Theoretical basis of land regulation	E-government, State registration and accounting land and real estate	General provisions of land valuation. Definition of cadastral valuation of land. Coordination of the results of factor analysis with the results of market statistics analysis. Formation of an economic mechanism for regulating land turnover in the Republic of Kazakhstan. Tax as an economic mechanism for regulating land relations and managing the regional economy.	General provisions of land valuation. Definition of cadastral valuation of land. Coordination of the results of factor analysis with the results of market statistics analysis. Formation of an economic mechanism for regulating land turnover in the Republic of Kazakhstan. Tax as an economic mechanism for regulating land relations and managing the regional economy.	Valuation of real estate
6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Agriculture and crop production	ZR 2202	BS	Elective subjects	3.0	Bachelor	Agriculture and plant growing	2	3	Theoretical basis of land regulation	Land regulation of agroformations, Planning of the use of the landed resources	The concept of soil and its fertility. The living conditions of plants, water and air properties of the soil. Basics tillage. Technological operations in tillage. Scientific basis of crop rotations. Intensive crop cultivation technology. Treatment of soils subject to erosion.	The concept of soil and its fertility. The living conditions of plants, water and air properties of the soil. Basics tillage. Technological operations in tillage. Scientific basis of crop rotations. Intensive crop cultivation technology. Treatment of soils subject to erosion.	Fundamentals of agricultural production technology
6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Fundamentals of agricultural production technology	OTSP 2244	BS	Elective subjects	3.0	Bachelor	Land management	2	3	Theoretical basis of land regulation	Interfarm land- utilization system, Land regulation of agroformations, Planning of the use of the landed resources	Basic laws of agriculture and crop production and ways of their application in production conditions; characteristics of field crops, their morphological and biological features, varietal diversity. Organization of production processes in field cultivation; use of agricultural machinery, chemical and agrotechnical means of plant protection; resource-saving and soil protection technologies on the territory of arable land.	Basic laws of agriculture and crop production and ways of their application in production conditions; characteristics of field crops, their morphological and biological features, varietal diversity. Organization of production processes in field cultivation; use of agricultural machinery, chemical and agrotechnical means of plant protection; resource-saving and soil protection technologies on the territory of arable land.	Agriculture and crop production
6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Land monitoring	MZ 2210	BS	Elective subjects	5.0	Bachelor	Кадастр и оценка	2	3	Theoretical basis of land regulation	Automated land management and cadastre systems, Pregraduation practice	Basic concepts, goals, objectives and principles of land monitoring. The structure of land monitoring. Monitoring research. Comprehensive land inventory. Environmental pollution. Regional land monitoring system. Scientific and technical support of land monitoring. Land Monitoring abroad.	Basic concepts, goals, objectives and principles of land monitoring. The structure of land monitoring. Monitoring research. Comprehensive land inventory. Environmental pollution. Regional land monitoring system. Scientific and technical support of land monitoring. Land Monitoring abroad.	Basics of the scientific researches
6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Basics of the scientific researches	ONI 2246	BS	Elective subjects	5.0	Bachelor		2	3	Theoretical basis of land regulation	Interfarm land- utilization system, Land regulation of agroformations, Planning of the use of the landed resources	The concept of science. The content of science. Methodology, methods and research process. General information about science. Methodological foundations of scientific knowledge. Empirical and theoretical levels of scientific knowledge. Organization of research. General information about NIRS. Organization of research work of students. Experimental studies in economics. Processing of experimental data.	The concept of science. The content of science. Methodology, methods and research process. General information about science. Methodological foundations of scientific knowledge. Empirical and theoretical levels of scientific knowledge. Organization of research. General information about NIRS. Organization of research work of students. Experimental studies in economics. Processing of experimental data.	Land monitoring
6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Engineering arrangement of territory	LOT 3308	AS	Elective subjects	5.0	Bachelor	Land management	3	2	Geodesy, Geodetic works in Land regulation and cadastre	Populated areas planning, The field of land regulation	Fundamentals of placement of engineering structures, land acquisition for utilities and facilities. Agricultural roads, their classification, purpose, placement requirements. Accommodation of water and other engineering facilities in the territory of agricultural land use. Coordination of the location of the engineering equipment of the territory with the elements of the internal organization of the territory. The economic rationale for the placement of non-agricultural facilities.	Fundamentals of placement of engineering structures, land acquisition for utilities and facilities. Agricultural roads, their classification, purpose, placement requirements. Accommodation of water and other engineering facilities in the territory of agricultural land use. Coordination of the location of the engineering equipment of the territory with the elements of the internal organization of the territory. The economic rationale for the placement of non-agricultural facilities.	Engineering geodesy

6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Engineering Geodesy	IG 3325	AS	Elective subjects	5.0	Bachelor	Geodesy and cartography	3	2	Geodesy, Geodetic works in Land regulation and cadastre	Internship, The field of land regulation	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	Engineering arrangement of territory
6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	E-government	EP 3226	BS	Elective subjects	5.0	Bachelor	Computer science	3	2	State registration and accounting land and real estate	Planning of the use of the landed resources, State control over land use and protection	Conceptual framework of E-government. The place and role of ICT in modern public administration. World experience in building E-Government. Evaluation of e-government development effectiveness. State and problems of information society development in Kazakhstan. Conceptual content of the e-Government project. E-government on the example of the e-government project.	The conceptual framework of E-government. The place and role of ICT in modern public administration. World experience in building E-Government. Evaluation of e-government development effectiveness. State and problems of information society development in Kazakhstan. Conceptual content of the e-Government project. E-government on the example of the e-government project.	Economic and mathematical modeling
6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Economic and mathematical modeling	EMM 3250	BS	Elective subjects	5.0	Bachelor	Management and marketing	3	2	Information and communication technologies, Interfarm land-utilization system	Economics and organization of agricultural production, Planning of the use of the landed resources	The techniques of mathematical formalization of processes in marketing activities, the basics of economic and mathematical modeling, the stages of mathematical modeling. Linear programming models, finite methods for solving linear theory in linear programming problems, duality theory in linear programming models and its use in marketing research analysis. Transportation task. Application Packages	The techniques of mathematical formalization of processes in marketing activities, the basics of economic and mathematical modeling, the stages of mathematical modeling. Linear programming models, finite methods for solving linear programming problems, duality theory in linear programming models and its use in marketing research analysis. Transportation task. Application Packages	E-government
6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Zonal features of land management	ZOZ 3236	BS	Elective subjects	6.0	Bachelor	Land management	3	3	Interfarm land-utilization system, Theoretical basis of land regulation	Pragraduation practice, Regional land management, The field of land regulation	Irrigation of land in the Republic of Kazakhstan. The state and prospects of development of irrigated agriculture in the Republic of Kazakhstan. Features of land management in the area of irrigated agriculture. The coordinated placement of the elements of the organization of the territory and engineering hydraulic systems and organization of pasture areas for distant-pasture livestock raising. On-farm land management of seasonal pastures. Design of soil protection measures in terms of soil erosion.	Irrigation of land in the Republic of Kazakhstan. The state and prospects of development of irrigated agriculture in the Republic of Kazakhstan. Features of land management in the area of irrigated agriculture. The coordinated placement of the elements of the organization of the territory and engineering hydraulic systems and organization of pasture areas for distant-pasture livestock raising. On-farm land management of seasonal pastures. Design of soil protection measures in terms of soil erosion.	Information technology in land management
6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Information technology in land management	GTZ 3251	BS	Elective subjects	6.0	Bachelor	Land management	3	3	Automated land management and cadastre systems, Geographic information systems	Pragraduation practice, Regional land management	The concept of geographical information system in land management. Spatial geographical objects. Definition, meaning and tasks of the system organization of data. Sources of geographical data. Definition and tasks of geospatial analysis. The process of creating a GIS project: from digitization to preparing the map for printing. Obtaining vector digital maps based on the materials of surveys on the ground. The use of remote sensing data in geodesy. Digital terrain model	The concept of geographical information system in land management. Spatial geographical objects. Definition, meaning and tasks of the system organization of data. Sources of geographical data. Definition and tasks of geospatial analysis. The process of creating a GIS project: from digitization to preparing the map for printing. Obtaining vector digital maps based on the materials of surveys on the ground. The use of remote sensing data in geodesy. Digital terrain model	Zonal features of land management

6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Normative legal support for land management	NPOZ 3321	AS	Elective subjects	6.0	Bachelor	Land management	3	3	Interfarm land- utilization system, Land regulation of agroformations, Theoretical basis of land regulation	Land law, Regional land management, State control over land use and protection	Fundamentals of the theory of economic efficiency of land management. Criteria and indicators for evaluating national economic efficiency. Factors affecting the efficiency of inter-farm land management projects. Economic indicators of projects for the formation of land uses for agricultural and non-agricultural purposes. Economic substantiation of intra-farm land management. Economic justification of working projects (district land management)	Fundamentals of the theory of economic efficiency of land management. Criteria and indicators for evaluating national economic efficiency. Factors affecting the efficiency of inter-farm land management projects. Economic indicators of projects for the formation of land uses for agricultural and non-agricultural purposes. Economic substantiation of intra-farm land management. Economic justification of working projects (district land management)	Legal groundwork for land regulation
6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Legal groundwork for land regulation	POZ 3326	AS	Elective subjects	6.0	Bachelor	Land management	3	3	Interfarm land- utilization system, Theoretical basis of land regulation	Land law, State control over land use and protection	Tasks, goals and principles of the land legislation of the Republic of Kazakhstan. Sources of land law. History of legal regulation of land relations in the Republic of Kazakhstan. Land legal relations. State regulation of land use and protection. Land management production process, its legal support. Tasks, goals and principles of the land legislation of the Republic of Kazakhstan in the field of land management. Sources of land law. Legal regime of lands of all categories of the land fund	Tasks, goals and principles of the land legislation of the Republic of Kazakhstan. Sources of land law. History of legal regulation of land relations in the Republic of Kazakhstan. Land legal relations. State regulation of land use and protection. Land management production process, its legal support. Tasks, goals and principles of the land legislation of the Republic of Kazakhstan in the field of land management. Sources of land law. Legal regime of lands of all categories of the land fund	Normative legal support for land management
6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Basic concepts of cadastre	OK 4208	BS	Elective subjects	5.0	Bachelor	Кадастр и оценка	4	1	Theoretical basis of land regulation	Economics and management of land works, State control over land use and protection	The concept, objectives, content and principles of the modern inventory. Studying the process of development of land relations, land management and land cadastre. Types of inventories, their characteristics. Legal support of the inventory. Accounting of natural objects and territories. The establishment of land relations, land cadastre. Land cadastre systems abroad	The concept, objectives, content and principles of the modern inventory. Studying the process of development of land relations, land management and land cadastre. Types of inventories, their characteristics. Legal support of the inventory. Accounting of natural objects and territories. The establishment of land relations, land cadastre. Land cadastre systems abroad	Urban planning and land cadastre
6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Urban planning and land cadastre	GZK 4245	BS	Elective subjects	5.0	Bachelor	Land management	4	1	State registration and accounting land and real estate	Preregistration practice, Regional land management, State control over land use and protection	Methodological foundations of the urban cadastre. Concept, purpose, tasks and functions. Goals, objectives, principles and essence of the urban cadastre of the Republic of Kazakhstan. Regulations of the town-planning cadastre. The procedure for creating and organizing information for creating a database of the urban cadastre	Methodological foundations of the urban cadastre. Concept, purpose, tasks and functions. Goals, objectives, principles and essence of the urban cadastre of the Republic of Kazakhstan. Regulations of the town-planning cadastre. The procedure for creating and organizing information for creating a database of the urban cadastre	Basic concepts of cadastre
6B07304 - «Land management» B075 - «Cadastral and land management»	Full-time (bachelor 4 years) trimester	Fundamentals of Agrribusiness and Entrepreneurship	OAP 4213	BS	Elective subjects	5.0	Bachelor	Economy	4	1	Internship	Economics and management of land works, Preregistration practice, Regional land management	The course examines the concept, essence and economic content of agrribusiness. Features of agricultural production. Content of agrribusiness in the Republic of Kazakhstan. Features of agrribusiness. The structure of the agro-industrial complex and agrribusiness. Natural-biological and socio-economic features of the formation of agrribusiness and agricultural production. Prospects for organizing small and medium-sized businesses in the agro-industrial complex.	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.	Economics and organization of agricultural production

B075 - «Cadastral and land management»	6B07304 - «Land management»	Full-time (bachelor 4 years) trimester	Economics and organization of agricultural production	EOSP 4248 BS	Elective subjects	5.0	Bachelor	Land management	4	1	Internship	Economics and management of land works, Pregraduation practice	The essence, principles, laws and regularities of the organization of agricultural production. Regularities of the organization of agricultural production. Principles of organization of agricultural production. The essence and principles of building a management system. Classification of management systems. The system of crop production. Animal husbandry divisions. Factors and methods determining the size of agricultural enterprises	Fundamentals of Agribusiness and Entrepreneurship
B075 - «Cadastral and land management»	6B07304 - «Land management»	Full-time (bachelor 4 years) trimester	Populated areas planning	PNM 4317 AS	Elective subjects	5.0	Bachelor	Архитектура и дизайн	4	1	Allocation of land for non-farm uses, Land regulation of agroformations	Prequalification practice, State control over land use and protection, The field of land regulation	Fundamentals of forecasting and planning of land use. The organization of prediction and reliability of prediction methods. The system of state planning in the Republic of Kazakhstan. The Republic scheme of use and protection of land resources of the Republic and the scheme of use and protection of land. Development of land management schemes. Landscape-ecological and resource-economic distribution of land in land management schemes. Content text and graphics documents	Fundamentals of urban planning and planning of populated places
B075 - «Cadastral and land management»	6B07304 - «Land management»	Full-time (bachelor 4 years) trimester	Fundamentals of urban planning and planning of populated places	OGPNM 4327 AS	Elective subjects	5.0	Bachelor	Land management	4	1	Allocation of land for non-farm uses, Theoretical basis of land regulation	Regional land management, State control over land use and protection	Fundamentals of the planning organization of territories; Classification of populated places. The task, content and composition of the rural settlements planning project. Functional zoning. Detailed organization of the residential area. Issues of placement of the production area. Planning and development of an industrial zone. Functional and planning organization of the city. Architectural and spatial organization of a residential area and a microdistrict. Planning and development of the industrial district of the city. Sanitary protection zone of the city.	Populated areas planning