

S.Seifullin Kazakh Agrotechnical University

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S.Seifullin Kazakh Agrotechnical University
Dean of the Faculty of Economics
Nurmukhametov N.N.
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CATALOG OF ELECTIVE DISCIPLINES
For students in the direction of preparation 7M041 Business and administration

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
M072 - «Management and administration»	7M04101 - «Agrarian Management»	Full-time (MS 2 years) trimester	Plant Cultivation Seminar	SPR 5201	BS	Elective subjects	2.0	Master's program by specialization (Scientific & pedagogical direction)	Agriculture and plant growing	1	1	Pity biology	Agrarpolitisches Seminar, Seminar on production economics	The priority of Kazakhstan science in the development of scientific bases of crop production and agriculture. Crop production and agriculture as a branch of agricultural production. The situation of agriculture and crop production in Kazakhstan, Akmola region. Prospects for the development of crop production and agriculture. The examples and the technology of cultivation. Agrotechnical bases of increase of drought resistance of plants. Lodging of plants and ways of its elimination. Biological basis of heterosis and its use in crop production. The problem of quality of agricultural products and plant raw materials. Achievements of domestic and foreign breeding. Examples of modern innovative technologies of cultivation of grain, leguminous, oilseeds, technical and fodder crops	The ability to solve complex tasks and problems in the field of agricultural management, to use the experience of the production of crop and livestock industries of leading countries, to implement an innovative approach from the operation of agricultural machinery, to manage production in accordance with modern management technologies	Farming systems and crop production
M072 - «Management and administration»	7M04101 - «Agrarian Management»	Full-time (MS 2 years) trimester	Farming systems and crop production		BS	Elective subjects	2.0	Master's program by specialization (Scientific & pedagogical direction)	Agriculture and plant growing	1	1	Pity biology	Agrarpolitisches Seminar, Seminar on production economics	The discipline "systems of agriculture and crop production" is aimed at studying the main links of zonal (modern) systems of agriculture, crop rotation systems in modern zonal systems of agriculture, modern systems of agriculture, including accurate, biological and adaptive – landscape, resource-saving agriculture and their features, soil conservation agriculture and its theoretical foundations and practical techniques.	The ability to solve complex tasks and problems in the field of agricultural management, to use the experience of the production of crop and livestock industries of leading countries, to implement an innovative approach from the operation of agricultural machinery, to manage production in accordance with modern management technologies	Plant Cultivation Seminar
M072 - «Management and administration»	7M04101 - «Agrarian Management»	Full-time (MS 2 years) trimester	Livestock Seminar	SPZh 5202	BS	Elective subjects	2.0	Master's program by specialization (Scientific & pedagogical direction)	Management and marketing	1	1	General Biology, Organic Chemistry	Agrarpolitisches Seminar, Agrotechnical consulting, Seminar on production economics	National economic importance of animal husbandry and technology of its major industries, the Periods of ontogenesis, the evaluation of the exterior and Constitution of animals, Importance and methods of conducting selection and breeding work in animal husbandry, the Value of fodder and rational feeding the livestock technology of reference of the livestock industries, the Basic requirements and production parameters of livestock products, Estimation of the exterior and the Constitution, the calculation of the indices of the physique of animals	The ability to solve complex tasks and problems in the field of agricultural management, to use the experience of the production of crop and livestock industries of leading countries, to implement an innovative approach from the operation of agricultural machinery, to manage production in accordance with modern management technologies	Management and Decision making in Precision Agriculture

M072 - «Management and administration»	7M04101 - «Agrarian Management»	Full-time (MS 2 years) trimester	Management and Decision making in Precision Agriculture		BS	Elective subjects	2.0	Master's program by specialization (Scientific & pedagogical direction)	Management and marketing	1	1	General Biology, Inorganic and Organic Chemistry	Agrarpolitisches Seminar, Seminar on production economics, Strategic management	Decision making in agricultural management. The calculation of economic efficiency, the use of digital technology and technology. General aspects of crop production. Crop production. Indicators of economic efficiency of crop production. General aspects of animal husbandry. Aggregation of feed production. Indicators of economic efficiency in the production of dairy products. Financial analysis and financial planning. Application of various methods of program planning in decision making.	The ability to plan and conduct experimental research, process experimental data and analyze the results obtained. To know and understand the goals and objectives of production, technological, organizational and managerial activities in the field of engineering systems development in the CX direction. Possess the skills and ability to model, analyze, identify and solve technological and operational tasks by integrating knowledge, making judgments and making decisions. Apply your knowledge at a professional level, in a broader interdisciplinary context and the ability to master the culture of thinking, correctly express your thoughts in written and oral speech.	Livestock Seminar
M072 - «Management and administration»	7M04101 - «Agrarian Management»	Full-time (MS 2 years) trimester	Cooperative business forms	KFH 5205	BS	Elective subjects	5.0	Master's program by specialization (Scientific & pedagogical direction)	Management and marketing	1	2	Enterprise planning	Project Planning and Assessment	Cooperative business enterprises: basic concepts and definitions. Theoretical approaches to the study of cooperative structures in the views of representatives of various economic schools. Regional characteristics of the development of societies. Formation and development of corporate business enterprises: foreign experience. Features of cooperative business enterprises in various models of market economy. Features of the organization and development of cooperative business enterprises in the Kazakh economy. Agricultural consumer cooperatives.	Be able to develop concepts for the development of organizational and personal management, have the skills to analyze annual balance sheets, production indicators and cost estimates for the development of a controlling system at the enterprise, as well as develop and present consulting proposals	Product quality management
M072 - «Management and administration»	7M04101 - «Agrarian Management»	Full-time (MS 2 years) trimester	Product quality management		BS	Elective subjects	5.0	Master's program by specialization (Scientific & pedagogical direction)	Management and marketing	1	2	Enterprise planning	Agrarpolitisches Seminar, Digital technology in Plant Growing, Project Planning and Assessment	Quality as a success factor of the enterprise. Methodology and terminology of quality management. The composition, content and characteristics of quality management functions. Statistical methods of quality control. Ensuring the functioning of quality systems. Recommendations of ISO 9000 international standards on quality assurance. Development of quality systems at the enterprise. Integration management systems in the food industry and agriculture. Aspects of customer satisfaction, the basis for the "system-QM". Responsibility for product quality. Certification of products and quality systems.	Be able to develop concepts for the development of organizational and personal management, have the skills to analyze annual balance sheets, production indicators and cost estimates for the development of a controlling system at the enterprise, as well as develop and present consulting proposals	Cooperative business forms
M072 - «Management and administration»	7M04101 - «Agrarian Management»	Full-time (MS 2 years) trimester	Agrarian Technology Seminar	SPAT 5213	BS	Elective subjects	2.0	Master's program by specialization (Scientific & pedagogical direction)	Mechanization of technological processes	1	2	State and local administration. Strategic management	Cooperative business forms, Seminar on production economics	Fundamental for the study of mechanization in crop production, agriculture, Agrochemistry, organization of production and entrepreneurship in agriculture and disciplines of the variable part: fodder production, technology of storage and processing of crop products, chemical plant protection, vegetable growing, fruit growing, breeding and seed production of field crops, etc	Be able to develop concepts for the development of organizational and personal management, have the skills to analyze annual balance sheets, production indicators and cost estimates for the development of a controlling system at the enterprise, as well as develop and present consulting proposals	Digital technology in Plant Growing

M072 - «Management and administration»	7M04101 - «Agrarian Management»	Full-time (MS 2 years) trimester	Digital technology in Plant Growing		BS	Elective subjects	2.0	Master's program by specialization (Scientific & pedagogical direction)	Agriculture and plant growing	1	2	State and local administration. Strategic management	Agrarpolitisches Seminar, Management-consulting, Strategic management	Features of the use of GIS in crop production, the main functions and examples of geographic information systems. Technological approaches to the introduction of precision farming in the production of crop products. Database of personnel, customers, farm fields, mobile energy facilities, agricultural machinery. Mapping of fields in the system of precision agriculture. Normalized Vegetation Index NDVI (Normalized Difference Vegetation Index). The use of ICT in the production of crop products. Tablet agronomist.	The ability to plan and conduct experimental research, process experimental data and analyze the results obtained. Increasing the ability to compare, formulate conclusions, build their own arguments, express their position on the main issues of the engineering and technical sphere of the agro-industrial complex. To know and understand the goals and objectives of production, technological, organizational and managerial activities in the field of engineering systems development in the CX direction. Possess the skills and ability to model, analyze, identify and solve technological and operational tasks by integrating knowledge, making judgments and making decisions.	Agrarian Technology Seminar
M072 - «Management and administration»	7M04101 - «Agrarian Management»	Full-time (MS 2 years) trimester	Agrotechnical consulting	AK 5310	AS	Elective subjects	5.0	Master's program by specialization (Scientific & pedagogical direction)		1	3	Enterprise planning	Development Concepts for Individual Operations, Project Planning and Assessment	Economic aspects of agricultural production, multi-period calculation of investments, economic comparison of processes of alternative tillage systems. The status of agricultural machinery in the countries. to analyze the processes of agricultural production from the point of view of economy and agricultural machinery/Practical aspects of consulting methods and presentation of the results in the framework of consulting of agricultural enterprises and agribusiness.	Be able to develop concepts for the development of organizational and personal management, have the skills to analyze annual balance sheets, production indicators and cost estimates for the development of a controlling system at the enterprise, as well as develop and present consulting proposals	Management-consulting
M072 - «Management and administration»	7M04101 - «Agrarian Management»	Full-time (MS 2 years) trimester	Management-consulting		AS	Elective subjects	5.0	Master's program by specialization (Scientific & pedagogical direction)	Management and marketing	1	3	Enterprise planning	Development Concepts for Individual Operations, Project Planning and Assessment	Fundamentals of linear programming in the planning of agricultural enterprises. Application of linear programming for enterprise optimization in the framework of practical consulting. Specific aspects of the development of the concept of organization and marketing of products in agricultural production and agribusiness. Use of multi-period calculation of investments in the selected industry. Practical aspects of the consulting methodology and presentation of the results within the consulting of agricultural enterprises and agribusiness.	Be able to develop concepts for the development of organizational and personal management, have the skills to analyze annual balance sheets, production indicators and cost estimates for the development of a controlling system at the enterprise, as well as develop and present consulting proposals	Agrotechnical consulting
M072 - «Management and administration»	7M04101 - «Agrarian Management»	Full-time (MS 2 years) trimester	Development Concepts for Individual Operations	KRP 6210	BS	Elective subjects	4.0	Master's program by specialization (Scientific & pedagogical direction)	Management and marketing	2	2	Enterprise planning	Project Planning and Assessment	Data collection for enterprise development activities. The use of the calculation of comparable profit margin. Planning and consulting of the enterprise. Analysis of shortcomings of agricultural enterprises and development/ analysis of measures for improvement. Financing planning for investment calculations. Development of business plans for agricultural enterprises and agribusiness	Analyze the production process at the enterprise, be able to calculate and evaluate the investment plan of the economy and the most important indicators of production as profitability, liquidity, stability of the enterprise	Strategic management

M072 - «Management and administration»	7M04101 - «Agrarian Management»	Full-time (MS 2 years) trimester	Strategic management		BS	Elective subjects	4.0	Master's program by specialization (Scientific & pedagogical direction)	Management and marketing	2	2	Management, Personnel management, Development of management solutions, Business organization	Project Planning and Assessment	Essence and content of strategic management Development of company strategy Features of business unit strategy Corporate strategy: package management business Analysis and assessment of the external environment of the organization Analysis and assessment of the internal environment of a company Competitive strategy, Corporate diversification strategies Strategic analysis of diversified companies strategy Implementation Strategy personnel management Management of strategic change the Role of culture in strategy implementation organization characteristics of strategic management in the Kazakhstan Strategy of development of countries in conditions of global integration	Develop strategies, plan the production activities of agricultural enterprises and implement measures aimed at their implementation	Development Concepts for Individual Operations
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The catalog of elective disciplines was approved by the Council of the Faculty of Economics protocol № 1 31.08 2022 year.

Head of the Department of Management and Marketing, Candidate of Economics, Professor

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