



CATALOG OF ELECTIVE DISCIPLINES  
For students in the direction of preparation 8D041- "Financial innovation in business"

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
D074 Finance, banking and insurance	8D04104 - "Financial innovation in business"	Full-time (doctoral studies 3 years) trimester	Islamic finance	IF 7305	BS	Elective subjects	5.0	Doctorate	Accounting and finance	1	1	Microeconomics, Economic Theory, Money, Credit, Banks, Financial Markets and Intermediaries, Banking, Financing and Lending of Investments	This discipline can be used during the passage of research work practices, writing master's works, as well as in practical activities.	Types and forms of Islamic financial instruments. Islamic banking. Purchase and sale operations (Murabaha). Leasing (Ijara). Financing of production (Istisna). Contractual Partnership (Shirkat-il-akid). The main financial instrument (sukuk). Islamic insurance (model Wakala for Takaful, model Mudaraba for Takaful)	The discipline "Islamic Finance" is designed to provide training of highly qualified specialists that meet the latest trends in the development of the economy of Kazakhstan, and in particular the methods of financing business	Islamic financial instruments
D074 Finance, banking and insurance	8D04104 - "Financial innovation in business"	Full-time (doctoral studies 3 years) trimester	Derivatives	Der 7304	BS	Elective subjects	5.0	Doctorate	Accounting and finance	1	1	"Microeconomics", "Economic Theory", "Money, Credit, Banks", "Financial Markets and Intermediaries", "Banking", "Financing and Lending of Investments"	This discipline can be used during the passage of research work practices, writing master's works, as well as in practical activities.	The main types of derivative financial instruments. Factors affecting the price of derivatives. Methods and principles of analysis of the theory of mathematical finance as the basis for pricing options. Black-Scholes formula: evidence, use practice for determining prices and risks of options, as well as its inability to describe real market processes without amendments due to the inadequacy of the assumptions used in the evidence.	As a result of mastering the discipline, the student must: Know: - essence of the main derivative financial instruments - approaches to pricing the main derivative financial instruments - the main risks of derivative financial instruments and ways to reduce them - basic option strategies - features of derivative financial instruments for various underlying assets (shares, currency, interest rates) Be able to: - calculate the prices of derivative financial instruments - calculate the main option risks (delta, gamma, vega, rho) - calculate the risks of strategies (sets of several derivative financial instruments) - build strategies with specified risk and return characteristics based on derivative	Financial consulting

