

« B1.B.08 SYSTEM ANALYSIS AND DECISION-MAKING IN THE FINANCIAL AND INVESTMENT SPHERE»

The amount of labor intensity: 2 credits

The purpose of the discipline: formation of students' modern knowledge, skills and competencies in the field of system analysis of problem situations, building models and solving problems of optimizing the functioning of economic and financial systems, including those arising in business management in the modern realities of the digital economy in order to ensure the optimization of financial management at all levels of the economy.

Objectives of the discipline:

- mastering the methodological foundations of system analysis and decision theory;
- formation of the ability to apply analytical methods of assessment, modeling and selection of managerial alternatives in the field of management, planning and consulting in the financial, investment and monetary spheres;
- mastering the skills of applying nonparametric optimization methods and comparative evaluation of the effectiveness of economic agents, the formation of economic models to develop a strategy to increase financial stability and efficiency of economic entities and optimize management decisions.

The place of discipline in the structure of the educational program

Discipline «System analysis and decision-making in the financial and investment sphere» refers to the part formed by participants in educational relations of Block 1 "Disciplines (modules)" of the curriculum.

Discipline «System analysis and decision-making in the financial and investment sphere» occupies one of the key places in this block of the master's program, being the basis for studying other courses. Its study forms theoretical knowledge, basic competencies and applied skills in the field of strategic decision-making in conditions of incomplete information and uncertainty.

For its successful development, the student must have knowledge of such disciplines as financial and economic analysis (advanced level), information and analytical systems and technologies in the financial sector, methodology and organization of economic research, corporate finance in the digital economy, financial markets and institutions, etc.

In turn, this course serves as the foundation for the successful development of such disciplines as financial and monetary methods of economic regulation, "modern risk management practice, portfolio investment management, financial technologies, financial consulting, financial planning and forecasting in the digital economy, research, preparation of master's theses and subsequent practical activities undergraduates.

Requirements for the level of discipline development

The study of this academic discipline is aimed at the formation of the following competencies among students:

IYK-1.1 Identifies a problematic situation based on a systematic approach performs its multifactorial analysis and diagnosis

to know: Knows the methods of system analysis; stages of the life cycle

be able to: The ability to analyze a problematic situation based on a systematic approach, to carry out multifactorial analysis and diagnostics.

to possess: Skills of analyzing a problem situation based on a systematic approach, implementing its multifactorial analysis and diagnosis

ИПК-3.2 Analyzes motivational and loyalty programs in the promotion of corporate lending programs

to know: Knowledge of motivation and loyalty programs.

be able to: The ability to apply motivational and loyalty programs in the promotion of corporate lending programs.

to possess: Skills in analyzing motivational and loyalty programs when promoting corporate lending programs.

IIIK – 5.2 Demonstrates the ability to develop proposals for improving corporate lending business processes

to know: Knowledge of corporate lending business processes

be able to: The ability to develop proposals for improving corporate lending business processes

to possess: Skills in developing proposals for improving corporate lending business processes

The content of the discipline:

The total labor intensity of the discipline is 2 credits, 72 hours, their distribution by type of work is shown in the table: (for full-time students)

Type of educational work		Total hours	Semesters (hours)
			2
Classroom classes (total), including:		24	24
Lecture-type classes		6	6
Seminar-type classes (seminars, practical classes)		18	18
Laboratory classes		-	-
Other contact work (total), including:		0,2	0,2
Control of independent work (CIW)		-	-
Intermediate certification (IC)		0,2	0,2
Independent work (total), including:		47,8	47,8
Course paper		-	-
Elaboration of educational (theoretical) material		14	14
Performing individual tasks (preparing messages, presentations)		14	14
Abstracts		5,8	5,8
Preparing for the current control		14	14
Control:			
Test			
Total labor intensity	hours	72	72
	including contact work	24,2	24,2
	credits	2	2

The total labor intensity of the discipline is 2 credits, 72 hours, their distribution by type of work is shown in the table: (for correspondence students)

Type of educational work		Total hours	Semesters (hours)
			2
Classroom classes (total), including:		12	12
Lecture-type classes		4	4
Seminar-type classes (seminars, practical classes)		8	8
Laboratory classes		-	-
Other contact work (total), including:		0,2	0,2

Control of independent work (CIW)		-	-
Intermediate certification (IC)		0,2	0,2
Independent work (total), including:		56	56
Course paper		-	-
Elaboration of educational (theoretical) material		14	14
Performing individual tasks (preparing messages, presentations)		20	20
Abstracts		8	8
Preparing for the current control		14	14
Control:		3,8	3,8
Test			
Total labor intensity	hours	72	72
	including contact work	12,2	12,2
	credits	2	2

Course work: not provided

The form of certification in the discipline: credit

Author

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