



**MINISTRY OF SCIENCE AND HIGHER EDUCATION
OF THE RUSSIAN FEDERATION**
Federal State Budgetary Educational Institution of Higher Education
"IRKUTSK STATE UNIVERSITY"
SAF, Baikal International Business School (Institute)
Strategic and Financial Management Department



APPROVED:

Dean of SAF, Baikal International Business School
(institute)

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Syllabus

Discipline Б1.Б.07 Financial Infrastructure of Business

Major 27.03.05 Innovatics

Specialization: Management of Innovative and IT Projects and Products

University Degree: Bachelor

Full time

Approved by the Academic and
Methodological Council of Baikal
International Business School (Institute)
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Chairperson

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Recommended by Strategic and Financial
Management Department
Protocol № 9 of March 21, 2025

Department
Chair

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Irkutsk 2025

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I. Goal and Objectives of the Discipline

The purpose of mastering the discipline is to form the ability to analyze the financial factors of the external environment, to determine their impact on an economic entity, to form the income and expenses of the entity.

Objectives:

- to teach practical work in the field of financial management;
- to teach how to calculate the income and expenses of an economic entity depending on the financial factors of the external environment.

II. Place of the Discipline in the CPEP Structure

The academic discipline "Б1.В.07 Financial Infrastructure of Business" is part of the curriculum component formed by the participants in the educational process (bachelor's degree program in the field of study 27.03.05 Innovatics, specialization: "Management of innovative and IT projects and products").

To study this academic discipline, you need knowledge, skills and abilities formed by the previous disciplines: "Economic Culture and the Basics of Financial Literacy", "Management".

List of subsequent academic disciplines for which knowledge, skills and abilities formed by this academic discipline are required: "Strategic Management", "Management Accounting and Budgeting".

III. Requirements for the Discipline Learning

The process of mastering the discipline is aimed at the formation of elements of the following competencies in accordance with the Federal State Educational Standard of Higher Education (FSES HE) and Core Educational Program of Higher Education (CEP HE) in the field of study 27.03.05 "Innovatics", specialization "Management of innovative and IT projects and products".

List of Planned Learning Outcomes for the Discipline, Mapped to Competency Achievement Indicators

Competency	Competency Indicators	Learning outcomes
PC-2 Is able to manage the budget of a series of IT products and innovative products	PC-2.3 Possesses skills in identifying expense and income items and norms, redistributing income across a series of IT products and innovative projects; controlling expenses and income across a series of IT products and innovative projects	Possesses knowledge of the determination of items and rates of expenditure depending on the financial infrastructure of the market in which the business entity operates

IV. Contents and Discipline Structure

The discipline scope is 5 credits, 180 hours, including 36 hours for summative assessment.

Form of summative assessment: exam.

The role and importance of this discipline is in the formation of professional abilities and personal qualities of a bachelor. In accordance with the requirements of the educational standard of the Russian Federation, the acquisition of knowledge, skills and abilities in the field of finance is of great importance in the training of bachelors

4.1. Discipline Contents, Structured by Topics, with Indicated Types of Classes and Allocated Academic Hours

№	Discipline Section/ Theme	Semester	Total Hours	Of these, practical training of students	Types of Educational Activities, Including Self-Study, Practical Sessions, and Workload (in hrs)				Formative Assessment Formats; Summative Assessment Formats
					Teacher Contact Hrs			Self-Study	
					Lectures	Practical sessions	Consultations, Self-Study Monitoring, Summative Assessment		
1	2	3	4	5	6	7	8	9	10
1	Money Market, Money Market Products	5	17		4	4		9	Oral questioning
2	Specifics of financial management	5	17		4	4		9	Oral questioning
3	Financial management at the level of the enterprise and the state	5	17		4	4		9	Oral questioning
4	Insurance, Loan and Stock Markets: Tasks, Functions, Tools	5	17		4	4		9	Oral questioning

1	2	3	4	5	6	7	8	9	10
5	Stock Market: Current and Future Instruments and Products	5	18		4	4	1	9	Oral questioning
6	Foreign Exchange Market: Current and Future Instruments and Products	5	17		4	4		9	Oral questioning
7	Credit products: banking and non-banking	5	18		4	4	1	9	Oral questioning
8	Income, profitability, risks: assessment for various financial products	5	21		6	6	1	8	Oral questioning, report
	Summative assessment	5	36				10	26	Exam
	Total hours:		180		34	34	15	71	

4.2. Plan for Out-of-Class Student Self-Study of the Discipline

Semester	Section, Themes	Self-Study			Assessment Tool	Self-Study Educational and Methodological Support
		Type of Self-Study	Deadlines	Load (hours)		
5	Money Market, Money Market Products	Study of the material, preparation for the survey	Week 1-2	9	Oral questioning	Money, credit, banks. Financial markets. V 2 ch. Part 1
5	Specifics of financial management	Study of the material, preparation for the survey	Week 3-4	9	Oral questioning	Money, credit, banks. Financial markets. V 2 ch. Part 1
5	Financial management at the level of the enterprise and the state	Study of the material, preparation for the survey	Week 5-6	9	Oral questioning	Money, credit, banks. Financial markets. V 2 ch. Part 1

Semester	Section, Themes	Self-Study			Assessment Tool	Self-Study Educational and Methodological Support
		Type of Self-Study	Deadlines	Load (hours)		
5	Insurance, Loan and Stock Markets: Tasks, Functions, Tools	Study of the material, preparation for the survey	Week 7-8	9	Oral questioning	Money, credit, banks. Financial markets. V 2 ch. Part 2
5	Stock Market: Current and Future Instruments and Products	Study of the material, preparation for the survey	Week 9-10	9	Oral questioning	Money, credit, banks. Financial markets. V 2 ch. Part 2
5	Foreign Exchange Market: Current and Future Instruments and Products	Study of the material, preparation for the survey	Week 11-12	9	Oral questioning	Nikitina, T. V. Financial markets and institutions. Short Course: Textbook and Practicum for Higher Educational Institutions
5	Credit products: banking and non-banking	Study of the material, preparation for the survey	Week 13-14	9	Oral questioning	Nikitina, T. V. Financial markets and institutions. Short Course: Textbook and Practicum for Higher Educational Institutions
5	Income, profitability, risks: assessment for various financial products	Studying the material, preparing a presentation	Week 15-16	12	Report	Moscow Exchange School https://school.moex.com/
Total amount of self-study in the discipline (hours)				75		

4.3. Learning Content

№	Theme	Contents
1.	Essence, Functions and Types of Money, Their Role in the Market Economy	The origin of money, its evolution. Development of forms of value. Functions of money and their interrelation. Types of money.
2.	Monetary policy instruments	Instruments of direct control of the money market. Indirect monetary policy instruments (reserve requirements, open market operations, refinancing mechanism)
3.	Money circulation and monetary system	The concept of money circulation and its forms. Objective foundations of money circulation. Money turnover. Features of money circulation in Russia. Cash circulation. Areas of cash use. Cashless circulation. Areas of application of non-cash payments. The law of money circulation. Money supply and monetary base. The concept of the monetary system. Types of monetary systems. Monetary system of the Russian Federation and its elements.
4.	Inflation and forms of its manifestation. Monetary reforms and methods of their implementation	Concept, types and types of inflation. Factors of inflationary and non-inflationary price growth. Estimating and measuring inflation. Features of the inflationary process in Russia. The concept of monetary reform and the main methods of implementation. Monetary reforms of pre-revolutionary, Soviet and modern Russia.
5.	The essence and content of finance. Functions of finance.	The concept of finance. The history of their origin. Finance as an economic category. Finance is an integral part of monetary relations. Relationship of finance with other categories. Functions of finance and the specifics of their manifestation in the modern economy. Spheres of financial relations. Types of financial relations. Financial resources and their composition.
6.	Financial system. Financial management.	Concept, content and links of the financial system. Centralized and decentralized funds of monetary resources. The content and necessity of the financial management mechanism. Financial management bodies, their functions. Financial control: content, types, methods. Financial control bodies.
7.	The content and principles of the organization of finances of enterprises	The essence and functions of enterprise finance. Principles of organization of enterprises. Features of financial relations depending on organizational and legal forms.

8.	Finances of commercial organizations	The content of finances of commercial organizations. Financial resources and monetary funds of enterprises. Financial aspect of the formation and use of property at the enterprise. The essence and classification of cash flows of the enterprise. The financial aspect of the enterprise's costs for the production and sale of products and proceeds from sales. Distribution and use of profits
9.	Budget and budget system of the Russian Federation	Socio-economic essence and functions of the state budget. Composition and structure of revenues and expenditures of the federal budget. Budget deficit and surplus. Non-oil and gas deficit of the federal budget. Reserve Fund and Future Generations Fund. The concept of the budget system and the principles of its functioning. Fiscal federalism.
10.	Essence, Significance, Specifics of the Formation of Extra-Budgetary Funds	Socio-economic essence, ways of creation and sources of financial resources of extra-budgetary funds in the Russian Federation. The Pension Fund of the Russian Federation and its role in the implementation of the pension reform. The Social Insurance Fund and its tasks in the system of social protection of the population. Compulsory medical insurance funds (federal and territorial) and their importance in providing state guarantees for the provision of free medical care to citizens of the Russian Federation.
11.	The essence and meaning of insurance	The concept and functions of insurance, its features. Organizational forms of the insurance fund. Basic terms used in the insurance business. Insurance Market: Principles of Functioning and Participants. Organization of insurance in the Russian Federation.
12.	The essence and functions of credit	Credit as a form of loan capital movement. Basic principles of the organization of credit relations. Functions of credit.
13.	Forms of credit and its classification	Commercial credit as one of the first forms of credit relations in the economy. Bank credit as the main form of credit and its classification according to basic features. Consumer credit as a target form of lending to individuals. International credit.
14.	Credit system and its organization	The concept of the credit system, its structure. Banking system as the main link of the credit system. The Central Bank: Tasks, Functions, Operations, Methods of Regulating the Activities of Credit Institutions. Commercial banks: tasks, functions, operations.

15.	Characteristics of the securities market	The concept of security. Classification of securities. The concept of the securities market, its structure and participants. Stock exchange and its importance for a market economy. Conditions for the creation and operation of stock exchanges in the Russian Federation. Exchange trading. Exchange transactions.
16.	Foreign Exchange Market and Foreign Exchange Transactions in the Russian Federation	The concept of the foreign exchange market and its classification. Main types of currency transactions. Features of the organization of currency transactions of residents and non-residents in the Russian Federation.
17.	Income, profitability, risks	Main instruments of the foreign exchange and stock market. Calculation of their profitability. Risk assessment.

4.3.1. List of Seminars, Practical Sessions and Laboratory Work

№	Theme Number	Seminars, Practical Sessions and Laboratory Work	Load (hr.)		Assessment Tools	Developed Competencies (Indicators)
			Total hours	Including Practical Sessions		
	2	3	4	5	6	7
	1	Concept, types and types of inflation. Factors of inflationary and non-inflationary price growth. Estimating and measuring inflation. Features of the inflationary process in Russia	4	–	Oral questioning	PC-2.3
	2	The content of finances of commercial organizations. Financial resources and monetary funds of enterprises. Financial aspect of the formation and use of property at the enterprise. The essence and classification of cash flows of the enterprise. The financial aspect of the enterprise's costs for the production and sale of products and proceeds from sales. Distribution and use of profits	4	–	Oral questioning	PC-2.3

	3	The concept and functions of insurance, its features. Organizational forms of the insurance fund. Basic terms used in the insurance business. Insurance Market: Principles of Functioning and Participants. Organization of insurance in the Russian Federation	4	–	Oral questioning	PC-2.3
	4	Credit as a form of loan capital movement. Basic principles of the organization of credit relations. Functions of credit.	4	–	Oral questioning	PC-2.3
	5	The concept of the credit system, its structure. Banking system as the main link of the credit system. The Central Bank: Tasks, Functions, Operations, Methods of Regulating the Activities of Credit Institutions. Commercial banks: tasks, functions, operations.	4	–	Oral questioning	PC-2.3
	6	The concept of security. Classification of securities. The concept of the securities market, its structure and participants. Stock exchange and its importance for a market economy. Conditions for the creation and operation of stock exchanges in the Russian Federation. Exchange trading. Exchange transactions.	4	–	Oral questioning	PC-2.3
	7	The concept of the foreign exchange market and its classification. Main types of currency transactions. Features of the organization of currency transactions of residents and non-residents in the Russian Federation.	4	–	Oral questioning	PC-2.3
	8	Presentation	6	–	Report	PC-2.3
		Total Hours	34			

4.3.2. List of Topics (Questions) Assigned for Independent Work as Part of Student Self-Study

№	Theme	Task	Competency	Indicators
1	2	3	4	5
1	<p>Concept, types and types of inflation. Factors of inflationary and non-inflationary price growth. Estimating and measuring inflation. Features of the inflationary process in Russia</p>	<p>Study the following resources:</p> <ol style="list-style-type: none"> 1. Dynamics of inflation in developing countries. 2. Managing inflation 3. The impact of inflation on financial products 	<p>PC-2 Is able to manage the budget of a series of IT products and innovative products</p>	<p>PC-2.3 Possesses skills in identifying expense and income items and norms, redistributing income across a series of IT products and innovative projects; controlling expenses and income across a series of IT products and innovative projects</p>
2	<p>The content of finances of commercial organizations. Financial resources and monetary funds of enterprises. Financial aspect of the formation and use of property at the enterprise. The essence and classification of cash flows of the enterprise. The financial aspect of the enterprise's costs for the production and</p>	<p>Study the following resources: Revenue, costs, profit - how to calculate</p> <ol style="list-style-type: none"> 1. Direct and indirect cash flow calculation 2. Determine the difference between accounting cash flow measures and cash flow estimates for investors 3. Calculate the profit and cash flows from the use of any investment instrument. 	<p>PC-2 Is able to manage the budget of a series of IT products and innovative products</p>	<p>PC-2.3 Possesses skills in identifying expense and income items and norms, redistributing income across a series of IT products and innovative projects; controlling expenses and income across a series of IT products and innovative projects</p>

	sale of products and proceeds from sales. Distribution and use of profits			
3	The concept and functions of insurance, its features. Organizational forms of the insurance fund. Basic terms used in the insurance business. Insurance Market: Principles of Functioning and Participants. Organization of insurance in the Russian Federation	Study the following resources: 1. Insurance products: short-term and long-term. 2. Endowment life insurance. 3. Insurance for business. 4. Compare the benefits and costs of different products.	PC-2 Is able to manage the budget of a series of IT products and innovative products	PC-2.3 Possesses skills in identifying expense and income items and norms, redistributing income across a series of IT products and innovative projects; controlling expenses and income across a series of IT products and innovative projects
4	Credit as a form of loan capital movement. Basic principles of the organization of credit relations. Functions of credit.	Explore the following resources: 1. Borrowed capital. Interest Rates and Interest Rate Risk 2. Provisions for active and passive operations	PC-2 Is able to manage the budget of a series of IT products and innovative products	PC-2.3 Possesses skills in identifying expense and income items and norms, redistributing income across a series of IT products and innovative projects; controlling expenses and income across a series of IT products and innovative projects
5	The concept of the credit	Explore the following resources 1. Commercial banks operating in	PC-2 Is able to	PC-2.3 Possesses skills

	<p>system, its structure. Banking system as the main link of the credit system. The Central Bank: Tasks, Functions, Operations, Methods of Regulating the Activities of Credit Institutions. Commercial banks: tasks, functions, operations.</p>	<p>the city. 2. Offering credit and guarantee products. 3. Compare project finance services, escrow accounts.</p>	<p>manage the budget of a series of IT products and innovative products</p>	<p>in identifying expense and income items and norms, redistributing income across a series of IT products and innovative projects; controlling expenses and income across a series of IT products and innovative projects</p>
6	<p>The concept of security. Classification of securities. The concept of the securities market, its structure and participants. Stock exchange and its importance for a market economy. Conditions for the creation and operation of stock exchanges in the Russian Federation. Exchange trading. Exchange transactions.</p>	<p>Explore the following resources 1. Restrictions for private investors in the stock market 2. Brokerage services 3. Compare different broker services by prices and terms 4. To analyze the new restrictions of the stock market for private investors.</p>	<p>PC-2 Is able to manage the budget of a series of IT products and innovative products</p>	<p>PC-2.3 Possesses skills in identifying expense and income items and norms, redistributing income across a series of IT products and innovative projects; controlling expenses and income across a series of IT products and innovative projects</p>
7	<p>The concept of the foreign exchange market and its classification. Main types of</p>	<p>Explore the following resources 1. Currency Regulation and Currency Control 2. Formation of the ruble exchange rate (official) 3. Currency Risk Hedging</p>	<p>PC-2 Is able to manage the budget of a series of IT products and</p>	<p>PC-2.3 Possesses skills in identifying expense and income items and norms,</p>

	currency transactions. Features of the organization of currency transactions of residents and non-residents in the Russian Federation.	Instruments	innovative products	redistributing income across a series of IT products and innovative projects; controlling expenses and income across a series of IT products and innovative projects
8	Presentation of the calculation of income and expenses in the context of financial factors of the external environment	To study all topics, to determine the factors of influence of the external environment on an economic entity	PC-2 Is able to manage the budget of a series of IT products and innovative products	PC-2.3 Possesses skills in identifying expense and income items and norms, redistributing income across a series of IT products and innovative projects; controlling expenses and income across a series of IT products and innovative projects

4.4. Guidelines for Organizing Student Self-Study

Self-study of students is carried out using e-learning and distance learning technologies. Educational and methodological materials for self-study are available to students through the Hecadem online learning system, which presents materials of lectures and practical tasks, interactive forms of training, examples of tasks. Each student receives authorized access to the system. The Hecadem Internet Learning System is a platform for distance learning and learning using digital technologies of the Baikal International Business School of ISU. Available at: <https://edu.buk.irk.ru>.

Self-study consists of:

- in the student's independent preparation for the lecture – reading the notes of the previous lecture, watching the video version of the lecture (if any). This helps to better understand the material of the new lecture, relying on previous knowledge;
- in preparation for practical classes on the main and additional sources of literature;
- in doing homework and preparing presentations.
- independent study of individual topics or issues from textbooks or manuals, from sources on the Internet and on the electronic portal of the university;

– in the implementation of control measures in the discipline.

Control over self-study is carried out when the student performs a test, oral questioning, performs tasks on cases, prepares reports on the topic of classes.

Both the actual knowledge of students and the depth of understanding and the ability to isolate and interpret integral semantic structures, as well as the skills of independent search for the necessary information on the topic of the lesson and its critical assessment are assessed.

Sample topics for self-study

1. The origin of money, its evolution. Development of forms of value.
2. Functions of money and their interrelation.
3. Types of money.
4. Instruments of direct control of the money market.
5. Indirect monetary policy instruments (reserve requirements, open market operations, refinancing mechanism)
6. The concept of money circulation and its forms. Objective foundations of money circulation. Money turnover.
7. Features of money circulation in Russia. Cash circulation. Areas of cash use.
8. Cashless circulation. Areas of application of non-cash payments.
9. The law of money circulation. Money supply and monetary base.
10. The concept of the monetary system. Types of monetary systems. Monetary system of the Russian Federation and its elements.
11. Concept, types and types of inflation. Factors of inflationary and non-inflationary price growth. Estimating and measuring inflation.
12. Features of the inflationary process in Russia.
13. The concept of monetary reform and the main methods of implementation. Monetary reforms of pre-revolutionary, Soviet and modern Russia.
14. The concept of finance. The history of their origin. Finance as an economic category.
15. Finance is an integral part of monetary relations. Relationship of finance with other categories.
16. Functions of finance and the specifics of their manifestation in the modern economy.
17. Spheres of financial relations. Types of financial relations. Financial resources and their composition.
18. Concept, content and links of the financial system. Centralized and decentralized funds of monetary resources.
19. The content and necessity of the financial management mechanism
20. Financial management bodies, their functions.
21. Financial control: content, types, methods.
22. Financial control bodies.
23. The essence and functions of enterprise finance.
24. Principles of organization of enterprises. Features of financial relations depending on organizational and legal forms.
25. The content of finances of commercial organizations. Financial resources and monetary funds of enterprises.
26. Financial aspect of the formation and use of property at the enterprise. The essence and classification of cash flows of the enterprise.
27. The financial aspect of the enterprise's costs for the production and sale of products and proceeds from sales.
28. Distribution and use of profits
29. Socio-economic essence and functions of the state budget.
30. Composition and structure of revenues and expenditures of the federal budget.
31. Budget deficit and surplus. Non-oil and gas deficit of the federal budget. Reserve Fund and Future Generations Fund.
32. The concept of the budget system and the principles of its functioning. Fiscal federalism.
33. Socio-economic essence, ways of creation and sources of financial resources of extra-budgetary

funds in the Russian Federation.

34. The Pension Fund of the Russian Federation and its role in the implementation of the pension reform.
35. The Social Insurance Fund and its tasks in the system of social protection of the population.
36. Compulsory medical insurance funds (federal and territorial) and their importance in providing state guarantees for the provision of free medical care to citizens of the Russian Federation.
37. The concept and functions of insurance, its features. Organizational forms of the insurance fund.
38. Basic terms used in the insurance business.
39. Insurance Market: Principles of Functioning and Participants.
40. Organization of insurance in the Russian Federation.
41. Credit as a form of loan capital movement.
42. Basic principles of the organization of credit relations. Functions of credit.
43. Commercial credit as one of the first forms of credit relations in the economy.
44. Bank credit as the main form of credit and its classification according to basic features.
45. Consumer credit as a targeted form of lending to individuals.
46. State credit and its features.
47. International credit.
48. The concept of the credit system, its structure. Banking system as the main link of the credit system.
49. The Central Bank: Tasks, Functions, Operations, Methods of Regulating the Activities of Credit Institutions.
50. Commercial banks: tasks, functions, operations.
51. The concept of security. Classification of securities.
52. The concept of the securities market, its structure and participants.
53. Stock exchange and its importance for a market economy. Conditions for the creation and operation of stock exchanges in the Russian Federation.
54. Exchange trading. Exchange transactions.
55. The concept of the foreign exchange market and its classification.
56. Main types of currency transactions. Features of the organization of currency transactions of residents and non-residents in the Russian Federation.

V. Educational, Methodological, and Information Support for the Discipline

a) Required reading:

1. Money, credit, banks. Financial markets. In 2 ch. Part 1 : textbook for universities / S. Y. Yanova [i dr.] ; executive editor S. Y. Yanova. — Moscow : Yurayt Publishing House, 2022. — 299 p. — (Higher education). — ISBN 978-5-534-07172-6. — Text : electronic // Educational platform Urait [site]. — URL: <https://urait.ru/bcode/492731>
2. Money, Credit, Banks. Financial Markets. In 2 Part 2 : Textbook for Higher Educational Institutions / S. Y. Yanova [i dr.] ; executive editor S. Y. Yanova. — Moscow : Urait Publishing House, 2022. — 306 p. — (Higher Education). — ISBN 978-5-534-07174-0. — Text : electronic // Educational platform Urait [site]. — URL: <https://urait.ru/bcode/494316>
3. Nikitina, T. V. Financial markets and institutions. Short Course: Textbook and Practicum for Higher Educational Institutions / T. V. Nikitina, A. V. Repeta-Tursunova. - 3rd ed., ispr. Moscow: Urait Publishing House, 2022. — 97 p. — (Higher Education). — ISBN 978-5-534-12443-9. — Text : electronic // Educational platform Urait [site]. — URL: <https://urait.ru/bcode/490688>

Further reading:

1. Financial Markets and Institutes: Textbook and Practicum for Higher Educational Institutions / N. B. Boldyreva [i dr.] ; pod redaktsiey N. B. Boldyreva, G. V. Chernova. — 2nd ed., revised and supplemented — Moscow: Urait Publishing House, 2022. — 379 p. — (Higher Education). —

ISBN 978-5-534-15055-1. — Text: electronic // Educational platform Urait [site]. — URL: <https://urait.ru/bcode/490173>

- Guseva, I. A. Financial markets and institutes: a textbook and a workshop for universities / I. A. Guseva. — Moscow : Urait Publishing House, 2022. — 347 p. — (Higher Education). — ISBN 978-5-534-00339-0. — Text : electronic // Educational platform Urait [site]. — URL: <https://urait.ru/bcode/489743>

b) Databases, reference and retrieval systems

- EBS ECZ "Bibliotech". State Contract No 019 dated 22.02.2011 Bibliotech LLC. License Agreement No 31 dated 22.02.2011 Access address: <https://isu.bibliotech.ru/> Validity: from 22.11.2011 indefinitely.
- EBS "Rukont" Contract No 98 dated 11/13/2020; Act No bK-5415 dated 11/14/20 Valid until 11/13/2021. access: <http://rucont.ru/>
- EBS "Lan Publishing House". LLC "Lan Publishing House". Information letter No 128 dated 09.10.2017 Validity period: indefinite. Access address: <http://e.lanbook.com/>
- EBS "National Digital Resource "Rukont". Central Design Bureau "Bibkom". Contract No 04-E-0343 dated 12.11.2021 Access address: <http://rucont.ru/>
- EBS "Ibuku.ru/ibooks.ru". LLC "Ibux". Contract No 04-E-0344 dated 12.11.2021; Act dated 14.11.2021. Access address: <http://ibooks.ru>
- Electronic library system "EBS Urait". LLC "Electronic publishing house Urait". Contract No 04-E-0258 dated 20.09.2021. Available at: <https://urait.ru/>
- School of the Moscow Exchange. Access address: <https://school.moex.com/>

VI. Material and Technical Support for the Discipline

6.1. Educational and laboratory equipment:

Name of Specialized Premises and Self-Study Premises	Equipment of Specialized Premises and Self-Study Premises	List of Licensed Software. Details of Supporting Document
Lecture hall for lecture-type classes	The hall is equipped with specialized furniture for 48 students and technical teaching aids for presenting educational information to a large audience. The demonstration equipment set includes: 1.PC HP Elite 8300 SFF i5 3470/4Gb/1Tb/DVD RV/kb/m/DOS/Sole	BASE INSTALLATION KIT FOR: Office 2007 Russian OpenLicensePack NoLevel AcademicEdition – contract with CJSC "Softline Trade" Tr026664 dated 17.05.2007 Project Standard 2007, Access 2007 - Microsoft DreamSpark Premium Electronic Software Delivery academic collaboration programs. – contract with CJSC "Softline Trade" Tr000023480 dated 19.05.2015 Windows operating systems under OEM pre-installation licensing programs, Microsoft MSDN AA academic collaboration programs. – contract with CJSC "Softline Trade" Tr017431 dated 15.05.2008 Windows operating systems under OEM pre-installation licensing programs, Microsoft DreamSpark Premium Electronic Software Delivery academic collaboration programs. – contract with CJSC "Softline Trade" Tr000031723 dated 05.08.2015

	<p>noid Lock and Hood Sensor (RUS) 2. Monitor Viewsonic TFT 20" VA2014WM glossy-black 5ms 20 00:1 250cd M/M 3. Projector Epson EB-1830 4. Active speakers Genius SP-S110 black 5. Video signal splitter Aten VS92A 2-port VGA It is equipped with educational visual aids and electronic presentations that provide thematic illustrations for all topics specified in the discipline's syllabus.</p>	<p>Antivirus software - Software rights for dr.Web Server Security comprehensive protection for 120 PCs (1 license per year) migration with additional purchase (LBW-BC-12M-120:119-C4) – contract with CJSC "Softline Trade" 13982/MOS2957 dated 22.01.2016 Archivers WinRAR: 3.x: Standard Licence - for legal entities, 100-199 licenses – contract with CJSC "Softline Trade" No. 15422/IRK11 dated 05.02.2010 Network client part: Software rights for Windows Server CAL 2012 Russian OLP NL Academic Edition Device CAL, 120 licenses – contract with CJSC "Softline Trade" 13512/MOS2957 dated 29.10.2015 Firewall, Proxy functionality - Software usage rights for Traffic Inspector GOLD discounted – contract with CJSC "Softline Trade" Tr044356 dated 27.08.2013 Software usage rights for Traffic Inspector GOLD Special renewal for 1 year – contract with CJSC "Softline Trade" Tr000112196 dated 29.09.2016</p>
<p>Room for seminar-type classes</p>	<p>The room is equipped with specialized furniture for 48 students and technical teaching aids for presenting educational information to a large audience. The demonstration equipment set includes: 1. HP Elite 8300 SFF PC (i5 3470/4GB/1TB/DV DRV/keyboard/mouse/DOS/Solenoid Lock and Hood Sensor (RUS)) 2. Viewsonic TFT 20" VA2014WM glossy-black monitor (5ms, 20:1 contrast ratio, 250 cd/m², M/M) 3. Epson EB-1830 projector</p>	<p>BASE INSTALLATION KIT FOR: Office 2007 Russian OpenLicensePack NoLevel AcademicEdition – contract with CJSC "Softline Trade" Tr026664 dated 17.05.2007 Project Standard 2007, Access 2007 - Microsoft DreamSpark Premium Electronic Software Delivery academic collaboration programs. – contract with CJSC "Softline Trade" Tr000023480 dated 19.05.2015 Windows operating systems under OEM pre-installation licensing programs, Microsoft MSDN AA academic collaboration programs. – contract with CJSC "Softline Trade" Tr017431 dated 15.05.2008 Windows operating systems under OEM pre-installation licensing programs, Microsoft DreamSpark Premium Electronic Software Delivery academic collaboration programs. – contract with CJSC "Softline Trade" Tr000031723 dated 05.08.2015 Antivirus software - Software rights for dr.Web Server Security comprehensive protection for 120 PCs (1 license per year) migration with additional purchase (LBW-BC-12M-120:119-C4) – contract with CJSC "Softline Trade" 13982/MOS2957 dated 22.01.2016 Archivers WinRAR: 3.x: Standard Licence - for legal entities, 100-199 licenses – contract with CJSC "Softline Trade" No. 15422/IRK11 dated 05.02.2010 Network client part: Software rights for Windows Server CAL 2012 Russian OLP NL Academic Edition</p>

	<p>4. Genius SP-S110 black active speakers</p> <p>5. Aten VS92A 2-port VGA video signal splitter</p>	<p>Device CAL, 120 licenses – contract with CJSC "Softline Trade" 13512/MOS2957 dated 29.10.2015</p> <p>Firewall, Proxy functionality - Software usage rights for Traffic Inspector GOLD discounted – contract with CJSC "Softline Trade" Tr044356 dated 27.08.2013</p> <p>Software usage rights for Traffic Inspector GOLD Special renewal for 1 year – contract with CJSC "Softline Trade" Tr000112196 dated 29.09.2016</p>
<p>Hall for group and individual consultations, formative and summative assessment</p>	<p>The hall is equipped with specialized furniture for 11 students, 5 workstations equipped with computers connected to the Internet and providing access to the Electronic Information and Educational Environment (EIOS) of FSBEI HE "ISU".</p> <p>Equipment:</p> <p>1. 5 workstations: System unit HP Compaq dc7800SFF Dual Core PE-2180, 4 Gb DDR2 PC6400, 160GB SATA 3.0 HDD</p> <p>2. 17.0" ViewSonic "VA703m" LCD display, 1280x1024, 8ms, TCO'03, silver-black (D-Sub, MM)</p> <p>3. One Hewlett-Packard LaserJet 3055 All-in-One multifunction printer.</p>	<p>BASE INSTALLATION KIT FOR: Office 2007 Russian OpenLicensePack NoLevel AcademicEdition – contract with CJSC "Softline Trade" Tr026664 dated 17.05.2007</p> <p>Project Standard 2007, Access 2007 - Microsoft DreamSpark Premium Electronic Software Delivery academic collaboration programs. – contract with CJSC "Softline Trade" Tr000023480 dated 19.05.2015</p> <p>Windows operating systems under OEM pre-installation licensing programs, Microsoft MSDN AA academic collaboration programs. – contract with CJSC "Softline Trade" Tr017431 dated 15.05.2008</p> <p>Windows operating systems under OEM pre-installation licensing programs, Microsoft DreamSpark Premium Electronic Software Delivery academic collaboration programs. – contract with CJSC "Softline Trade" Tr000031723 dated 05.08.2015</p> <p>Antivirus software - Software rights for dr.Web Server Security comprehensive protection for 120 PCs (1 license per year) migration with additional purchase (LBW-BC-12M-120:119-C4) – contract with CJSC "Softline Trade" 13982/MOS2957 dated 22.01.2016</p> <p>Archivers WinRAR: 3.x: Standard Licence - for legal entities, 100-199 licenses – contract with CJSC "Softline Trade" No. 15422/IRK11 dated 05.02.2010</p> <p>Network client part: Software rights for Windows Server CAL 2012 Russian OLP NL Academic Edition</p> <p>Device CAL, 120 licenses – contract with CJSC "Softline Trade" 13512/MOS2957 dated 29.10.2015</p> <p>Firewall, Proxy functionality - Software usage rights for Traffic Inspector GOLD discounted – contract with CJSC "Softline Trade" Tr044356 dated 27.08.2013</p> <p>Software usage rights for Traffic Inspector GOLD Special renewal for 1 year – contract with CJSC "Softline Trade" Tr000112196 dated 29.09.2016</p>
<p>Room for student self-study work</p>	<p>It is equipped with specialized (educational) furniture for 10 students and computer hardware connected to the Internet with access</p>	<p>BASE INSTALLATION KIT FOR: Office 2007 Russian OpenLicensePack NoLevel AcademicEdition – contract with CJSC "Softline Trade" Tr026664 dated 17.05.2007</p> <p>Project Standard 2007, Access 2007 - Microsoft DreamSpark Premium Electronic Software Delivery academic collaboration programs. – contract with CJSC "Softline Trade" Tr000023480 dated 19.05.2015</p>

	<p>to the ISU Electronic Information and Educational Environment (EIOS).</p> <p>1. 10 units: ThinkCentre M80 Series SFF system unit kit: Intel® Core™ i3-540 Clarkdale 2.93GHz / 1333MHz / Dual Core™ / 4M/73W / LGA 1156/32nm / 4GB PC3-10600 SDRAM x 2 / 250 GB, 7200RPM SATA / DVD RW</p> <p>2. 10 units: 20.0" ViewSonic "VA2013w" LCD monitor, 1600x900, 5ms, TCO 03, black (D-Sub)</p> <p>3. HP LaserJet 5000N printer, A3, 22ppm, 32 MB, 250 & 500 sheet feeder, JetDirect 615n print server</p> <p>4. HP LaserJet 5100th printer, A3, 22ppm, 32 MB, 250 & 500 sheet feeder, JetDirect 615n print server</p>	<p>Windows operating systems under OEM pre-installation licensing programs, Microsoft MSDN AA academic collaboration programs. – contract with CJSC "Softline Trade" Tr017431 dated 15.05.2008</p> <p>Windows operating systems under OEM pre-installation licensing programs, Microsoft DreamSpark Premium Electronic Software Delivery academic collaboration programs. – contract with CJSC "Softline Trade" Tr000031723 dated 05.08.2015</p> <p>Antivirus software - Software rights for dr.Web Server Security comprehensive protection for 120 PCs (1 license per year) migration with additional purchase (LBW-BC-12M-120:119-C4) – contract with CJSC "Softline Trade" 13982/MOS2957 dated 22.01.2016</p> <p>Archivers WinRAR: 3.x: Standard Licence - for legal entities, 100-199 licenses – contract with CJSC "Softline Trade" No. 15422/IRK11 dated 05.02.2010</p> <p>Network client part: Software rights for Windows Server CAL 2012 Russian OLP NL Academic Edition Device CAL, 120 licenses – contract with CJSC "Softline Trade" 13512/MOS2957 dated 29.10.2015</p> <p>Firewall, Proxy functionality - Software usage rights for Traffic Inspector GOLD discounted – contract with CJSC "Softline Trade" Tr044356 dated 27.08.2013</p> <p>Software usage rights for Traffic Inspector GOLD Special renewal for 1 year – contract with CJSC "Softline Trade" Tr000112196 dated 29.09.2016</p>
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6.2. Software:

The university is provided with the necessary set of licensed and freely distributed software, including domestic production:

1. Basic installation kit for: Office 2010 Services for granting the right to use Microsoft Desktop Edu ALNG LicSAPk OLV E 1Y Acdmc Ent., 39-licenses for BMBS ISU. Contract No 03-K-1131 dated 11/29/2021 KOSGU 226.4
2. Project Standard 2007, Access 2007 – ISU Azure Dev Tools for Teaching subscription (Visio, Projekt) 1 Year. Microsoft Corporation, One Microsoft Way, Redmond, WA 98052. Expiration Date March 31, 2023.
3. Microsoft Project Professional 2010, ISU Azure Dev Tools for Teaching subscription (Visio, Projekt) 1 year. Microsoft Corporation, One Microsoft Way, Redmond, WA 98052. Expiration Date March 31, 2023.
4. Operating systems Windows'7, Windows'10 Services for granting the right to use Microsoft

Desktop Edu ALNG LicSAPk OLV E 1Y Acdmc Ent., 39-licenses for BMBS ISU. Contract No 03-K-1131 dated 11/29/2021 KOSGU 226.4

5. Anti-virus programs - Dr.Web renewal Contract No Tr000582689/03-E-0043 dated February 05, 2021 Invoice No Tr000582689 dated February 08, 2021
6. WinRAR Archivers: 3.x: Standard Licence - for legal entities 100-199 licenses - annex. No1 to contract No15422/IRK11 of CJSC "SoftLine Trade" dated 05.02.2010
7. Network client part Rights to computer programs Windows Server CAL 2012 Russian OLP NL Akademic Edition Device CAL 120 licenses - account Tr000051059 CJSC "SoftLine Trade" dated 27.10.2015
8. Firewall, Proxy functionality - Right to use computer programs Traffic Inspector GOLD preferential account Tr005456 CJSC "SoftLine Trade" dated 27.08.2013
9. Traffic Inspector GOLD Special* for 5 years Contract RSZ-0000276 dated 16.11.2021 KOSGU 226.4 License renewal

6.3. Technical and Electronic Learning Tools:

Multimedia tools and other equipment for presentations of educational material:

1. Desktop PC HP EliteDesk 800 G4 SFF Intel Core i5 8500 (3Ghz)/8192Mb/1000Gb/DVDrw/warranty 3y/W10Pro +V
2. ViewSonic 21.5" VA2245a monitor - LED [LED, 1920x1080, 10M:1, 5ms, 170° horizontal, 160° vertical, D-Sub]
3. NEC M420X LCD projector, 4200 ANSI Lumens, XGA, 2000:1 contrast, lamp 3500h (Eco mode), HDMI, USB Viewer, RJ-45, 10W, 3.6 kg
4. Jetbalance JB-115U 2.0 black speakers (4W)
5. Aten VS92A 2-port VGA video signal splitter

List of Licensed Software Used:

1. Office 2010 under the academic collaboration program with Russian Microsoft Desktop Education AllLng License/Software Assurance Pack Academic OLV 1License LevelE Enterprise.
2. Project Standard 2007, Access 2007 – under the Microsoft DreamSpark Premium Electronic Software Delivery academic collaboration program.
3. Microsoft Project Professional 2010, Microsoft Visio Professional 2010 under the Microsoft Imagine Standard Electronic Software Delivery academic collaboration program with the assistance of the ISU Computer Center (CNIT ISU).

VII. EDUCATIONAL TECHNOLOGIES

In accordance with the requirements of the Federal State Educational Standard in the field of study, the implementation of the competency-based approach provides for the widespread use of active and interactive forms of conducting classes in the educational process (computer simulations, business and role-playing games, analysis of specific situations) in combination with extracurricular work in order to form and develop the professional skills of students. The training course includes meetings with representatives of Russian companies, state and public organizations, master classes of experts and specialists.

Teaching the discipline involves the use of the following educational technologies:

- conducting classroom classes using multimedia technologies, audio and video materials;
- conducting lectures in the form of a problem lecture, lecture-discussion (if necessary, in the form of a webinar with a recording of the lecture for subsequent viewing);
- the use of a problem-oriented approach through independent work;
- test technologies on the remote platform of the BIBS "Hecadem";

- the use of interactive training technologies, such as group discussion, work in small groups;
- conducting master classes with specialists;
- performance of tests and self-study by students.

The share of classes conducted in interactive forms - practical classes - is determined by the main goal (mission) of the program, the characteristics of the contingent of students and the content of specific disciplines (determined by the requirements of the Federal State Educational Standard). Lecture-type classes for the relevant groups of students are determined by the relevant working curriculum in accordance with the requirements of the Federal State Educational Standard.

Distance technologies used in the implementation of various types of educational work:

- individual communication with students through the teacher's e-mail;
- use of the educational portal of ISU <https://educa.isu.ru/> and the platform of the BMBS "Hecadem" to organize current monitoring of progress and attendance.

Distance technologies in the development of disciplines are used using the educational portal of Irkutsk State University (access address: <http://educa.isu.ru>) and the platform of the BIBS "Hecadem" (access address <https://edu.buk.irk.ru/>). Texts or video recordings of lectures, tasks for practical classes are posted by disciplines in the relevant sections of the specified information portal of ISU or/and the platform of the BIBS "Hecadem" (access address <https://edu.buk.irk.ru/>)

VIII. ASSESSMENT MATERIALS FOR CURRENT CONTROL AND SUMMATIVE ASSESSMENT

8.1. Assessment tools for incoming control

Entrance testing is not required.

8.2. Assessment materials (tools) that provide diagnostics of the formation of indicators of competencies of the discipline

№	Formats of Assessment Tools	Assessed Themes (Sections)	Assessed Competencies/ Indicators
3	Oral questioning	Topics 1-8	PC 2.3
4	Presentation	Topic 8	PC 2.3

All the results of the formative assessment are evaluated on a 100-point scale, the final score is weighted average. The following types of control are applied.

Oral questioning. Criteria for evaluating the oral answer (maximum 100 points)

"Excellent" / 100-86 points is given if the student:

- Shows a deep knowledge and understanding of the entire scope of the discipline; a complete understanding of the essence of the concepts, phenomena and patterns, theories, interrelations.
- Is able to compose a complete and correct answer based on the material studied; highlight the main provisions of science, independently confirm the answer with specific examples and facts; independently and argumentatively make an analysis, generalization, conclusions.
- Establishes interdisciplinary (based on previously acquired knowledge) and intra-subject connections. Competently, clearly, coherently presents the educational material: gives an answer in a logical sequence using the accepted terminology; draws his own conclusions; forms an accurate definition and interpretation of basic concepts, laws, theories; correctly and thoroughly answers additional questions from the teacher and fellow students. It is advisable to use visual

aids, reference materials, a textbook, additional literature, primary sources.

- Independently, accurately applies the acquired knowledge in solving problems; makes no more than one defect, which he/she corrects independently; has the skills to work with schemes and graphs accompanying the answer; The notes accompanying the response are compliant.

"Good"/85 – 71 points is given if the student:

- Shows knowledge of all the program material studied. Gives a complete and correct answer based on the theories studied; makes minor mistakes and shortcomings in the reproduction of the studied material, definitions of concepts, inaccuracies in the use of scientific terms or in conclusions and generalizations from observations and experiments; the material is presented sequentially, making one minor mistake or no more than two shortcomings, which can be corrected independently on demand or with a little help from the teacher; confirms the answer with specific examples; correctly answers the teacher's additional questions.
- Is able to independently identify the main points in the studied material; on the basis of facts and examples, generalize, draw conclusions, establish intra-subject connections.
- Applies the acquired knowledge in practice in a modified situation, observes the basic rules of the culture of oral and written speech, uses scientific terminology.
- Does not have sufficient skill in working with reference literature, textbooks, primary sources (correctly oriented, but works slowly).
- Has some violations of the rules for the design of written works.

"Satisfactory"/70 – 60 points are given if the student:

- Has mastered the main content of the educational material, has gaps in the assimilation of the material that do not prevent further assimilation of the program material; The material is presented in an unsystematized, fragmentary, not always consistent manner.
- Shows the lack of formation of certain knowledge and skills; He argues conclusions and generalizations poorly, makes mistakes in them.
- Makes mistakes and inaccuracies in the use of scientific terminology, does not accurately define concepts, does not use conclusions and generalizations from observations, facts, experiments as evidence, or has made mistakes in their presentation.
- Has difficulty applying the knowledge needed to solve different types of problems in explaining specific phenomena based on theories and laws.
- Does not fully answer the questions of the teacher and fellow students (omitting the main ones), or reproduces the content of the textbook, but does not understand certain provisions sufficiently.
- Shows insufficient understanding of certain provisions when reproducing the text of the textbook (notes, primary sources) or answers the teacher's questions incompletely, making one gross mistake.

"Unsatisfactory"/less than 60 points are given if the student:

- Practically did not reveal the main content of the material; does not independently draw conclusions and generalizations.
- Has poorly formed and incomplete knowledge, but is able to apply it to solving specific issues and tasks according to the model.
- When answering (to one question), he/she makes no more than one gross mistake, but can correct it with the help of a teacher.

Report with presentation.

A report is a type of independent research work in which the student reveals the essence of the problem under study, gives various points of view of researchers, as well as his own views on it. In the process of working on the report, the following skills of the student as a researcher are demonstrated:

1. Ability to independently conduct research on the chosen topic;
2. the ability to present the results to the audience, demonstrating the basics of oral public speaking;
3. the ability to answer all questions competently.

Work on the report includes the following stages:

- Selection and study of the main sources on the topic of the report (as well as when writing an essay, it is recommended to use at least 5 sources).
- Processing and systematization of the material. Preparation of conclusions and generalizations.
- Development of a report plan.
- Writing the text of the report.
- Preparation of a report with a multimedia presentation.
- Public presentation of research results.

The defense of the report at the practical lesson is carried out by presenting its main provisions and answering questions on the topic of the report.

Time for presentation of the report and answers to questions – 15 minutes

Scope of information and requirements for the presentation of content:

- no more than three facts, conclusions, definitions on one slide;
- The key points should be presented one on each individual slide;
- Do not include large tables/charts/diagrams in the presentation.

Criteria for evaluating the implementation of the report with a presentation:

"Excellent"/100-86 points - the work is completed in full; all the requirements for this work are taken into account; goals and objectives of the work are independently set that correspond to the given topic/problem; results are obtained in accordance with the goal; the work is drawn up accurately and competently.

"Good"/85-71 points - the requirements for the "excellent" mark were met, but there were two or three shortcomings or no more than one minor mistake and one defect.

"Satisfactory" / 70-60 points - the work is not completed in full, but the volume of the completed part of the work allows you to get part of the results in accordance with the goal.

"Unsatisfactory" / less than 60 points - the work is not fully completed and the volume of the completed part of the work does not allow to obtain any results in accordance with the set goal.

8.2.1. Summative Assessment:

The exam consists of three blocks:

1. Oral survey on topics (1 topic from the proposed), the weight of the task is 40%.

Oral questioning.

Criteria for evaluating the oral answer (maximum 100 points)

"Excellent" / 100-86 points is given if the student:

- Shows deep knowledge and understanding of the entire scope of the discipline; a complete understanding of the essence of the concepts, phenomena and patterns, theories, interrelations.
- Is able to compose a complete and correct answer based on the material studied; highlight the main provisions of science, independently confirm the answer with specific examples and facts; independently and argumentatively make an analysis, generalization, conclusions.
- Establishes interdisciplinary (based on previously acquired knowledge) and intra-subject connections. Competently, clearly, coherently presents the educational material: gives an answer in a logical sequence using the accepted terminology; draws his own conclusions; forms an accurate definition and interpretation of basic concepts, laws, theories; correctly and thoroughly answers additional questions from the teacher and fellow students. It is advisable to use visual aids, reference materials, a textbook, additional literature, primary sources.
- Independently, accurately applies the acquired knowledge in solving problems; makes no more than one defect, which he/she corrects independently; has the skills to work with schemes and graphs accompanying the answer; The notes accompanying the response are compliant.

"Good"/85 – 71 points is given if the student:

- Shows knowledge of all the program material studied. Gives a complete and correct answer based on the theories studied; makes minor mistakes and shortcomings in the reproduction of the studied material, definitions of concepts, inaccuracies in the use of scientific terms or in conclusions and generalizations from observations and experiments; the material is presented sequentially, making one minor mistake or no more than two shortcomings, which can be corrected independently on demand or with a little help from the teacher; confirms the answer with specific examples; correctly answers the teacher's additional questions.
- Is able to independently identify the main points in the studied material; on the basis of facts and examples, generalize, draw conclusions, establish intra-subject connections.
- Applies the acquired knowledge in practice in a modified situation, observes the basic rules of the culture of oral and written speech, uses scientific terminology.
- Does not have sufficient skill in working with reference literature, textbooks, primary sources (correctly oriented, but works slowly).
- Has some violations of the rules for the design of written works.

"Satisfactory"/70 – 60 points is given if the student:

- Has mastered the main content of the educational material, has gaps in the assimilation of the material that do not prevent further assimilation of the program material; The material is presented in an unsystematized, fragmentary, not always consistent manner.
- Shows the lack of formation of certain knowledge and skills; He argues conclusions and generalizations poorly, makes mistakes in them.
- Makes mistakes and inaccuracies in the use of scientific terminology, does not accurately define concepts, does not use conclusions and generalizations from observations, facts, experiments as evidence, or has made mistakes in their presentation.
- Has difficulty applying the knowledge needed to solve different types of problems in explaining specific phenomena based on theories and laws.
- Does not fully answer the questions of the teacher and fellow students (omitting the main ones), or reproduces the content of the textbook, but does not understand certain provisions sufficiently.
- Shows insufficient understanding of certain provisions when reproducing the text of the textbook (notes, primary sources) or answers the teacher's questions incompletely, making one gross mistake.

"Unsatisfactory"/less than 60 points is given if the student:

- Practically did not reveal the main content of the material; does not independently draw conclusions and generalizations.
- Has poorly formed and incomplete knowledge, but is able to apply it to solving specific issues and tasks according to the model.
- When answering (to one question), he/she makes no more than one gross mistake, but can correct it with the help of a teacher.

Sample list of questions and tasks for the exam

1. Define the product and characterize the properties of the product.
2. What are the features of a monetary commodity?
3. What are the fundamental differences between real money and signs of value?
4. Name the main types of credit money and characterize their features.
5. What functions does money perform?
6. What tools are used by the central bank in conducting the state's monetary policy?
7. Describe the features of indirect monetary instruments used by the Central Bank of the Russian Federation.

- 2.
1. Give a definition of money circulation. What is the essence of money circulation and what is its objective basis?
2. What is money turnover?
3. Give a definition of cash circulation. What are the principles of its organization?
4. What are the features of non-cash money circulation? What forms of non-cash payments are used in the Russian Federation?
5. Define the money supply and the monetary base. How does the law of money circulation work?
6. Define the monetary system and characterize the main types of monetary systems.
- 3.
1. Define inflation. What is the nature of its occurrence?
2. What are the factors of inflationary and non-inflationary price growth?
3. Describe the types and types of inflation.
4. Give a definition of inflation targeting, what is its essence? Describe the targeting modes.
5. What is included in the concept of monetary reform? What are the methods of carrying out monetary reforms?
- 4.
1. Define finance as an economic category. Name the prerequisites for their occurrence.
2. Name the spheres and types of financial relations. What are financial resources?
3. At what stage of social reproduction do finances appear?
4. What are the functions of finance?
5. What is the fundamental difference between the categories of money and finance?
- 5.
1. What does the concept of the financial system include? Name the links of the financial system.
2. Define financial management. Describe its functions.
3. Name the subsystems of financial management and characterize their functions.
4. What financial management bodies operate in the Russian Federation?
5. Describe the tasks and functions of the Federal Tax Service.
6. Define financial control. What are the tasks, functions and principles of its organization?
7. Describe the main types and methods of financial control.
8. What are the features of state financial control? Describe the types and procedure for conducting tax audits.
9. Determine the features of audit as a non-state financial control.
- 6.
1. Define the finances of commercial organizations and enterprises. Describe the functions and principles of organizing the finances of commercial organizations and enterprises.
2. Give a definition of a legal entity. What is the difference between commercial and non-profit organizations?
3. Describe the essence and types of business partnerships.
4. Define a joint-stock company. What is the difference between open and closed joint-stock companies?
5. What are the features of the functioning of a limited liability company?
6. What is a production cooperative? What financial funds are formed in a production cooperative?
7. What are the features of unitary enterprises? Describe the types of unitary enterprises.
8. How is the property of a commercial enterprise formed? What elements are included in equity?
9. Describe the funds and cash flows of a commercial enterprise.
10. What is included in the concept of costs of production and sales of products? Classify cost types.
11. Define income, revenue, and profit. What is included in the concept of the financial result of a commercial enterprise?
- 7.
1. Give a definition of insurance, characterize its essence and features.
2. What functions does insurance perform?

3. Give a definition of the insurance fund and characterize its types.
4. What is included in the concept of the insurance market? Describe its main elements.
5. What is the essence of the insurance business, what is its purpose and objectives?
6. How is the financial stability of the insurer ensured? Name the minimum size of the authorized capital of insurers depending on the type of activity.
7. Give a definition of insurance reserves, characterize their types and rules of placement.
- 8.
1. Give a definition of credit. What is the difference between the category of credit and loan and loan?
2. Give a definition of loan capital, characterize its sources and features.
3. Define the loan capital market, characterize its types.
4. Describe the principles and functions of credit.
5. What is the difference between interest rate and interest rate? Describe the types of interest rate.
6. What is the form of credit, and what forms of credit are there?
7. Give a definition of commercial credit. What is the role of a bill of exchange in commercial credit?
8. Define the essence of a bank loan. Describe the main types of bank loan security.
9. What is included in the concept of consumer credit? What forms of consumer lending are there?
10. Define the essence, functions and role of international credit
11. What are the features of state credit?
- 9.
1. What is included in the concepts of credit system, credit mechanism and credit institutions?
2. Describe the structure of the credit system of the Russian Federation.
3. Give definitions of a credit institution and a bank.
4. What are the features of a non-bank credit institution? Describe its types.
5. Name and describe the functions and operations of the Central Bank of the Russian Federation.
6. Describe the main economic standards of commercial banks in the Russian Federation.
7. Define the bank's liabilities and passive operations. Describe the types of passive operations of commercial banks.
8. Define the bank's assets and active operations. Describe the types of active operations of commercial banks.
9. Characterize the features of leasing and factoring as the main types of commission and intermediary operations of commercial banks.
- 10.
1. Define the essence of the concept of security. Describe the main types of securities.
2. What are the features of derivative securities? Describe a forward, futures, option.
3. Give a definition of the securities market. Describe its functions and structure.
4. List the professional participants of the securities market. Describe the features of the activities of brokers, dealers, depositories, clearing companies in the market.
5. Define a stock exchange. What are the conditions for its creation and functioning in the Russian Federation?
6. Describe the procedure for admission of securities to the stock exchange. What are the specifics of the listing and delisting procedure in the Russian Federation?
7. What is included in the concept of exchange trading? Describe the mode of the main trades.
8. Give a definition of an exchange transaction. What types of exchange transactions are there?
9. Give a definition of the exchange rate and characterize its types.
10. What forms of exchange trade have been formed in the process of its evolution?
11. Give a definition of a stock index and describe the procedure for its calculation in the Russian Federation. What are the features of the MICEX and RTS indices?
12. Define the essence of the concepts of the national currency system, currency relations and currency mechanism. Describe the elements of currency relations.
13. What is included in the concept of a currency transaction, and what are the main types of currency transactions in the Russian Federation?

14. What are the principles of currency regulation and currency control in the Russian Federation? Which executive authorities and organizations of the financial and banking sector carry out currency regulation and currency control?

2. Solving test problems, in one version 10 tasks with a single choice are offered. For each correct answer, 10 points are given.

The weight of the task is 20%.

Demo version of the test: a task with a single choice

Demo version of Test 1

1. Purchasing power of money:
 - a) it increases with the rise in prices;
 - b) it can grow and decrease;
 - c) always remains constant;
 - d) decreases with rising prices.

2. The price of gold is affected by:
 - a) the appearance of gold (ingot, granules, sand, etc.);
 - b) the place of production;
 - c) the total amount of gold in the world;
 - d) the structure of gold and foreign exchange reserves

3. The law of money circulation determines:
 - a) the speed of money turnover;
 - b) the size of the money supply;
 - c) the purchasing power of money;
 - d) the amount of money required for circulation.

4. Inflation means:
 - a) a fall in the price level;
 - b) increasing the purchasing power of money;
 - c) depreciation of paper money;
 - d) price growth.

5. Which of the following statements is true:
 - a) money is a universal commodity-equivalent;
 - b) money is the product of people's agreement;
 - c) money is a tool for investment;
 - d) money – all of the above.

Demo version of Test 2

1. Deflation is a phenomenon associated with:
 - a) with an increase in the price level;
 - b) with a fall in the price level;
 - c) declaring the depreciated money invalid;
 - d) default on the obligations of the state and enterprises.

2. Money circulation is:
 - a) the role of money as a unit of account;
 - b) the movement of money in the performance of its functions in cash and non-cash forms;
 - c) the accumulated amount of funds serving economic relations;
 - d) settlement and cash services in the bank.

3. Financial policy is a "sum"...
- a) budget and tax policy of the state
 - b) tax and monetary policy of the state
 - c) monetary policy of the state and accounting policy of enterprises
 - d) currency and tax policy of the state.

4. The right to inspect the expenditure of budget funds by the Government and the Ministry of Finance shall be vested in:

- a) Federal Treasury
- b) Federal Tax Service
- c) The Court of Accounts
- d) Federal Financial Monitoring Service

5. Non-interference of the state in the economy is characteristic of...

- a) monetarism
- b) Keynesianism
- c) financial centralization
- d) the classical type of financial policy

Demo version of Test 3

1. Measures to stabilize the credit and banking system shall include:

- a) improvement of banking legislation;
- b) bringing the level of minimum bank reserves into line with the level of the discount rate;
- c) development of new forms of credit and banking services and regulation of the capacity of the credit market;
- d) currency interventions of the Central Bank.

2. The methods of financial control shall include the following:

- a) accounting audit, economic analysis, bankruptcy procedure;
- b) audit, observation, inspection, economic analysis, survey;
- c) revision, economic analysis, rehabilitation;
- d) audit, revision, supervision.

3. Finances of an enterprise are:

- a) a set of social relations, in the process of which the formation and use of financial resources of firms is carried out;
- b) a set of monetary relations organized by the state, in the process of which the formation and use of national funds of monetary resources is carried out;
- c) a relatively independent sphere of the financial system, covering a range of economic relations related to the formation, distribution and use of financial resources of firms on the basis of managing their cash flows;
- d) a set of economic relations, a part of monetary relations related to the formation, distribution and use of funds of monetary resources of economic entities

4. Finances of the enterprise perform the following functions:

- a) providing, regulating, reproductive;
- b) investment, redistribution, control;
- c) providing, distributing, controlling;
- d) distribution and control.

5. Non-operating income shall be:

- a) exchange rate differences;

- b) income related to participation in the capital of other organizations;
- c) assets received under a gift agreement;
- d) proceeds from sales.

Demo version of Test 4

1. The bank's capital adequacy ratio shows:
 - a) the level of participation of the bank's borrowed capital in the formation of its assets
 - b) the level of retained earnings of the bank
 - c) the level of participation of the bank's own capital in the formation of its assets
 - d) the level of insurance reserves of the bank's commercial risk

2. The break-even point is:
 - a) such a volume of sales at which the revenue covers all the costs of the company associated with the production and sale of products;
 - b) such a volume of sales at which the revenue covers the variable costs of the company;
 - c) an indicator characterizing the value of marginal profit in the price of a unit of production;
 - d) the selling price of products less variable costs per unit of production

3. The discount interest shall be regulated by:
 - a) currency intervention
 - b) reversions
 - c) discount policy
 - d) revaluation

4. Factoring is a set of financial services, including:
 - (a) Assignment of the right to receive payment and administration of receivables
 - b) trust management of property and accounting
 - c) assignment of intellectual property rights
 - d) assignment of rights to receive payment, information and analytical support and management of the supplier's receivables

5. The following persons shall participate in the relations of a bank guarantee:
 - a) guarantor, guarantor and principal
 - b) pledgor, pledgee and guarantor
 - c) principal, guarantor and beneficiary
 - d) guarantor, principal and beneficiary

Demo version of Test 5

1. Required reserve ratios shall be transferred to the following accounts:
 - a) a commercial bank
 - b) the Central Bank
 - c) Cash Settlement Center
 - d) the Federal Treasury

2. The money supply will increase if:
 - a) public procurement will increase
 - b) the Central Bank of the Russian Federation buys government securities on the open market
 - c) households sell shares in private companies
 - d) the Central Bank of the Russian Federation increases the refinancing rate

3. The banking system includes:
 - a) Central Bank, credit institutions, stock exchanges, investment funds

- b) the Central Bank, credit institutions and their associations
- c) the Central Bank, credit institutions, their associations and insurance companies
- d) Central Bank, pawnshops, postal savings institutions

4. The term "discount rate" means:

- a) a means of pressure on commercial banks by the Central Bank in order to reduce the volume of loans issued
- b) interest rate on loans granted to commercial banks
- c) the degree of influence of the Central Bank on the value of money in the economy
- d) a means of influencing the prices of government securities.

5. A commercial bank is:

- a) voluntary association of professional participants of the financial market
- b) organization of economic and social security
- c) a credit institution established to attract funds and place them on its own behalf on the terms of repayment, payment and maturity
- d) a credit institution that has the exclusive right to carry out the following operations in the aggregate: attraction of deposits of funds of individuals and legal entities; placement of these funds in its own name and at its own expense on the terms of repayment, urgency and payment; opening and maintaining accounts of legal entities and individuals.

3. Solving the problem, the weight of the problem is 40%.

The problem is solved by 86-100 points if the correct answer is given and the solution is justified. If the correct answer is given, but the solution contains errors, then the student receives from 71 to 85 points. If the answer is not correct, and the justification contains errors, then the student receives from 60 to 70 points.

Examples of tasks for the exam:

Task:

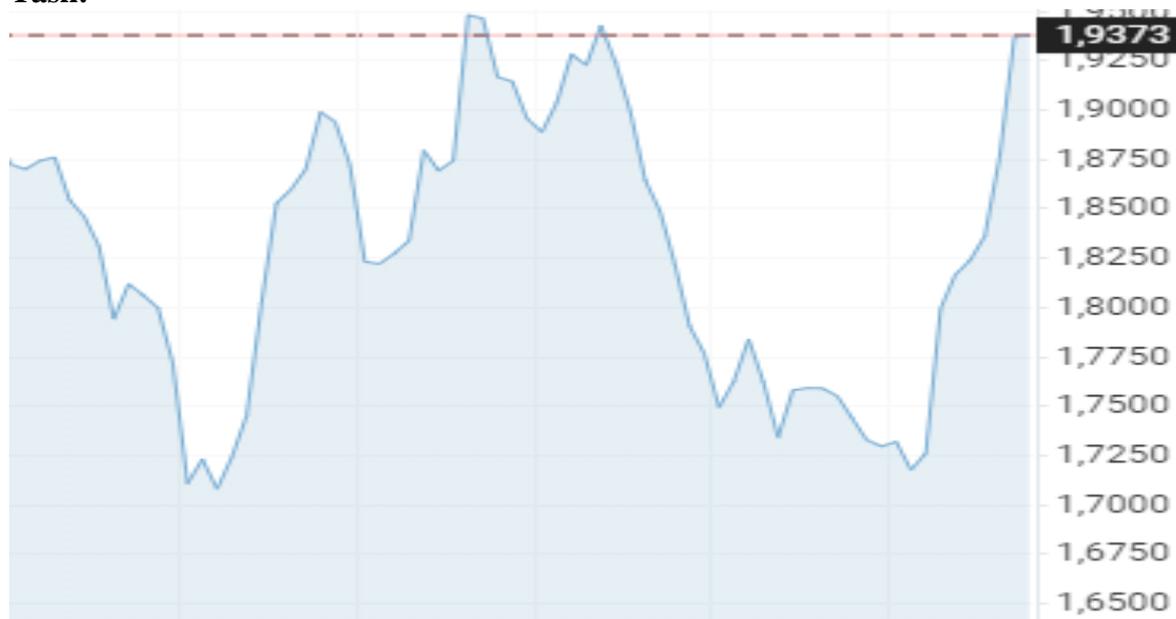
1. Here is a price chart for the company XXX. There are 5 hypothetical events. Mark on the graph exactly when – in your opinion – they happened – and write why at this particular moment (note that you need to assess not only the impact of the event, but also compare the size of the impact). For each of these dates, also justify what will happen to the return on the company's shares, and why.



1. Another company announced its desire to buy back the shares of this company and merge the business.
2. At the annual meeting of shareholders, it was announced that the day after tomorrow the record date would be held, and a fairly high dividend on shares was announced.
3. At the end of the quarter, it was announced that the company's net profit would fall by 10% over the next six months.
4. The key rate of the Central Bank of the Russian Federation has been raised, while the company has a high D/EBITDA ratio

- The company issued a press release in which it predicts a 15% increase in sales of its products next year.

Task:



You have the ratio of currency X to currency Y. Now 1 currency X gives 1.93 units of currency Y.

Dot when these events happened and answer the questions.

- A military coup d'état in country X. Sudden. When did it happen? What happened to the yield on this country's bonds? _____
- A new strain of a rare virus has suddenly emerged in country Y. Terribly dangerous. When did this happen and what happened to the yield on this country's bonds? _____
- In country X, there is quite a lot of inflation, and it is increasing. What happens to the yield on this country's bonds and why?
- In country Y, the key rate has been raised. When did it happen? What happened to the yield on the bonds of this country and why?

Task:



Now 1 Indian rupee gives 0.04 Tunisian dinars

- If in Tunisia right now the increase in tourists is predicted to double compared to last year, and they are already launching direct flights from all world capitals - where will this schedule go and why
- If India announces a vaccine for all viruses that allows you to get sick, then where will this graph go and why
- The bond with a par value of 1000 rubles has a coupon yield of 8%. It is traded for 800 rubles.

If you bought it today and the coupon payment is in a year, then what is your return as a percentage? Formula and calculation.

Task:

1. The OFZ rate is 9%, the average market rate on bonds is 14%, beta is 1.1. SARM?
2. The level of risk for this company is higher or lower than the market level and why?
3. You have 2 million rubles. The term of the bond is 5 years, coupon 10%, paid twice a year, par value 1000. Calculate the fair value of the bond
4. The bond is sold at a price of 921 rubles. How many bonds can you buy? What is your INCOME for 5 years? What are your cash flows? Bond income is taxed at a rate of 13%.

Developed by:



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(FULL NAME)

The program is developed in accordance with the requirements of the FSES of HE for the major 27.03.05 Innovatics, specialization "Management of Innovative and IT Projects and Products".

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Department Chair



N.B. Grosheva

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