

APPROVED:
Vice-rector for study and methodical work
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***Международные финансовые рынки и управление портфелем /
International financial markets and portfolio management***

Syllabus of the course

Specialty *38.04.02 Management*
Specialization *Risk management and controlling*
Level of higher education *Master's Degree*
Form of training *Full-time*
Year of enrolment *2022*
Authored by:
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Total number of hours	180	Form of final attestation: Exam: semester 3
incl:		
contact work	42	
self-study	102	
practical training	0	
control hours	36	

Hours distribution:

Semester:	3
Type of classes	Hours
Contact hours	18
Practical training	24
Laboratory work	
Total contact hours	42
Self-study	102
Control hours	36
Total academic hours	180
Total credits	5

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1. LEARNING OBJECTIVES

Objective:	Formation of modern competencies in the field of functioning of international financial markets among undergraduates, as well as mastering modern methods and tools for regulating financial markets.
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2. COURSE PLACE IN THE PROGRAMME STRUCTURE

Discipline B1.V International financial markets and portfolio management refers to the part formed by the participants of educational relations of Block 1.

3. EXPECTED LEARNING OUTCOMES

Code and name of graduate competence	Code and name of the competence achievement indicator	Expected learning outcomes
PC-4 – Able to develop a financial plan for the client and a targeted investment portfolio	PC-4.2 – Provides consulting services in the analysis of the market and the market environment, investment portfolios and activities of organizations, as well as in solving problems in the field of taxes and taxation of international companies	<p>To Know: the content, methods and directions of analysis of international financial markets, as well as financial institutions, their types and main activities; the main methods and tools for managing financial markets and the activities of financial institutions, as well as the rules for preparing data for compiling financial reviews and reports; types of financial instruments and methods of their evaluation</p> <p>To be able to: apply modern approaches, methods and tools for analyzing international financial markets and its individual segments, as well as financial institutions; choose tools for conducting research on the development of financial markets; evaluate financial instruments based on available information using the studied models</p> <p>To master: the skills of analyzing the activities of financial institutions and the functioning of international financial markets and its individual segments; the skills of choosing and applying tools for conducting research on the problems of developing financial markets; methods for evaluating financial instruments; skills in building effective strategies using financial instruments</p>

4. COURSE STRUCTURE AND CONTENT

Code and name of the topics	Course content	Academic hours			
		Contact work			Self-study
		Lectures	Practices	Workshops	

Topic 1. The role and functions of financial markets in the economy market	Financial market. Functions of the financial market. Money market. capital market. Securities market (stock market). Market of derivative financial instruments. Financial system and financial market. Financial institutions and markets. Types of financial systems (based on banks and based on securities markets). Correlation between the securities market and banks in the redistribution of monetary resources. The main global trends in the development of financial markets. Interest rates and factors determining them. The mechanism of formation of the interest rate in the market. Types of interest rates. Profitability and risk in the financial market. Indicators of profitability and risk and their ratio. Types of risks associated with securities. Systematic (market) and non-systematic (specific) portfolio risk. Required return on the instrument. Information asymmetry: false choice and moral hazard. Features of solving the problem of information asymmetry in various types of financial systems. Types of financial intermediaries (institutions) and their place in the financial market. deposit institutions. contract institutions.	3	3		14
Topic 2. Instruments of the securities market. Characteristics and features of the development of the main segments of the securities	Securities. Classification of securities. Stock. Ordinary and preferred shares. Share price. Valuation of common and preferred shares. Stock valuation models and their application in practice. Stock returns. Stock indices. Share-related securities. depository receipts. Issuer options (warrants). Subscription rights. Bonds. Bond classification. Valuation and evaluation of the yield of bonds. Duration. Bulge and curvature. Bond rating. State and municipal securities. Government securities and government domestic and foreign debt. Municipal securities and municipal debt. Promissory note. Bill of exchange legislation. Valuation of the bill. Profit of bills. Commercial papers. Deposit and savings certificates. Mortgage securities. Mortgage-backed bonds. Mortgage participation certificates. Rating of securities and issuers.	3	4		16
Topic 3. Institutions of financial markets	Types of financial intermediaries and their features in different countries and Russia. Banks. Broker-dealer companies (securities companies). Professional activity in the securities market. Architecture of organized over-the-counter trading systems (technical, technological and information base). Categories of participants. Fundamental and technical analysis of securities. The concept, goals and tools of fundamental analysis. Assessment of the macroeconomic situation; Main factors. The content of sectoral and regional analysis in conjunction with the cost and quality assessments of the security and the dynamics of its exchange rate. Economic calculations when issuing securities. Estimation of emission costs. The choice of emission parameters depending on the indicators of investment projects in which the attracted funds will be invested, as well as the financial condition of the issuer. Investments in securities. Purposes and classification of investments in securities. Architecture of organized over-the-counter trading systems (technical,	2	3		14

	technological and information base). Categories of participants.				
Topic 4. Financial risks	Types of financial risks. Balance sheet and off-balance sheet risks. Underwriting risks. Risks in brokerage operations with securities. Risks of own investments in securities. Risks arising from other operations of a broker-dealer company. Risks of the financial position of a broker-dealer company (profitability, liquidity, capital and leverage level, interest rate risk, etc.). Systems for quantitative and qualitative assessment of various types of financial risks (country risk, credit risk, interest rate risk, liquidity risk). Credit rating of securities as a method of comparative assessment of credit risk and rating agencies. Predicting the likelihood of a systemic risk. Stock market crises and panics. Basic financial risk management strategies (aggressive, moderate and conservative). Assessment and methods of currency risk management. Features of financial risks associated with securities in the activities of banks. Operational risks and methods of their minimization.	3	4		14
Topic 5. Building a portfolio of securities	The concept and structure of a portfolio of securities. Content of portfolio management. Portfolio objectives, portfolio risk, portfolio liquidity, portfolio value and profitability. Types of securities that are the object of portfolio investment and their investment qualities. Types of securities, the issue of which may be a source of funds for the formation of a portfolio of securities. Risks associated with portfolios of securities. Types of portfolios of securities. Types of operations that make up the management of a portfolio of securities. portfolio strategies. Expected return and risk of a portfolio of securities. Markowitz model. Effective Portfolio Frontier. Separation theorem. market portfolio. Financial asset valuation model (CAPM). Capital market line (CML). Asset Market Line (SML). beta factor. Sharpe model. Arbitrage Pricing Theory (APT). Strategies in portfolio management. Passive and active strategies. Methodology for determining the risk of a portfolio VAR. Using derivatives for portfolio management. Development of a general portfolio strategy, ongoing planning and control of securities portfolio management. Tax planning related to securities transactions. Analysis and evaluation of the portfolio in terms of achieving its goals, the level of risks and liquidity.	3	4		16
Topic 6. Regulation of the financial market	Regulatory functions of the state in the securities market: Russian and international practice. self-regulatory organizations. The structure of securities legislation and its relationship to other types of legislation governing financial markets. Description of the most important provisions of securities legislation in international practice. A mechanism to ensure honesty and fair pricing. Conflicts of interest and methods of their settlement. Unfair practice in the activities of a professional participant in the securities market and investors and methods for its prevention. Manipulation and insider trading in the securities	2	3		14

	market and the mechanism of protection against them. Professional ethics of the stock market. Basic ethical principles. The structure of ethical rules: the areas they cover, the form in which they exist, the order of establishment, enforcement and enforcement.				
Topic 7. International financial crises	Concept, characteristics, causes of crises, manias, panics. Types of financial crises: banking crisis, currency crisis, speculative bubbles and international financial crises. Crisis elements. Chronology and structure of recent financial crises. Globalization and liberalization in financial markets, their role in the development of international financial crises	2	3		14
Control hours:					36
Total hours:		18	24	0	102

5. TEACHING AND LEARNING TOOLS OF THE COURSE

5.1 Recommended literature

Bibliographic description of the publication (author, title, type, place and year of publication, number of pages)	Digital resources
Investments: Textbook and workshop / Leontiev V.E., Bocharov V.V., Radkovskaya N.P. — Electron. Dan. - M.: Yurayt Publishing House, 2018. - 455.	https://urait.ru/viewer/investicii-487916
Maksimova V.F. International financial markets and international financial institutions: textbook [Electronic resource] / V. F. Maksimova. - Moscow: EAOI, 2011. - 128 p. — ISBN 978-5-374-00305-5	https://www.ibooks.ru/bookshelf/334513/reading

5.2 List of software (including national production)

- 7-Zip
- Microsoft Office Professional
- Microsoft Windows Professional

5.3 List of reference systems and modern professional databases

№	Name of reference systems and professional databases
1.	Digital library Grebennikon.ru – www.grebennikon.ru
2.	Science Digital Library eLIBRARY – www.elibrary.ru
3.	Science Digital Library КиберЛенинка – www.cyberleninka.ru
4.	Database ПОЛПРЕД Справочники – www.polpred.com
5.	Database OECD Books, Papers & Statistics on the platform OECD iLibrary www.oecd-ilibrary.org

6.	Legal reference system КонсультантПлюс (installed resource UNECON or www.consultant.ru)
7.	Legal reference system «ГАРАНТ» (installed resource UNECON or www.garant.ru)
8.	Information and referral system «Кодекс» (installed resource UNECON or www.kodeks.ru)
9.	Digital library system BOOK.ru - www.book.ru
10.	Digital library system ЭБС ЮРАЙТ – www.urait.ru
11.	Digital library system ЗНАНИУМ (ZNANIUM) – www.znanium.com
12.	Digital library UNECON – opac.unecon.ru

6. TECHNICAL FACILITIES

There are special rooms for lectures, seminars, coursework, group and individual consultations, current and interim assessments, as well as rooms for self-study.

The premises are equipped with equipment and teaching aids.

The rooms for students' independent work are equipped with computers with Internet connection and access to the university's electronic learning environment.

Name of classroom	Classroom location
Classroom 1043 Training classroom (for lecture- and seminar-type classes, coursework, group and individual consultations, current control and intermediate attestation), equipped with a multimedia system. Specialised furniture and equipment: Educational furniture for 42 seats (21 desks), teacher's workplace, chalk board 1 pc. (3 sections), chair 1 pc., table 2 pcs., iso chair 2 pcs. Portable multimedia kit: Laptop HP 250 G6 1WY58EA, Multimedia projector LG PF1500G. Sets of display equipment and visual aids: multimedia applications for lecture courses and practical sessions, interactive teaching and visual aids.	191023, St. Petersburg, Griboedova canal, 30-32, lit. A, Б, P
Classroom 1064 Training classroom (for lecture- and seminar-type classes, coursework, group and individual consultations, current control and intermediate attestation), equipped with a multimedia system. Special furniture and equipment: Educational furniture for 42 seats, a teacher's workplace, a whiteboard - 1 pc, a table - 1 pc, a chair - 1 pc, an interactive projector Epson-EB-455Wi - 1 pc, a computer Intel i3-2100 2.4 Ghz/4Gb/500Gb/Acer V193 19" - 1 pc. Sets of display equipment and visual aids: multimedia applications for lecture courses and practical sessions, interactive teaching and visual aids.	191023, St. Petersburg, Griboedova canal, 30-32, lit. A, Б, P
Classroom 2007 Training classroom (for lecture- and seminar-type classes, coursework, group and individual consultations, current control and intermediate attestation), equipped with a multimedia system. Specialized furniture and equipment: Training furniture for 126 seats, teacher's workplace, m/m table - 1 pc, desk - 6 pcs, chair - 1 pc, chalk board (3 sectional) - 2 pcs, Chair - 3 pcs., Computer Intel i3-2100 2.4 Ghz/4Gb/500Gb/Acer V193 19" - 1 pc, Multimedia projector Type 2 Panasonic PT-VX610E - 1 pc, ScreenMedia Champion 244x183cm (SCM-4304) - 1 pc. Sets of display equipment and visual aids: multimedia applications for lecture courses and practical sessions, interactive teaching and visual aids.	191023, St. Petersburg, Griboedova canal, 30-32, lit. A, Б, P
Classroom 2009 Training classroom (for lecture- and seminar-type classes, coursework, group and individual consultations, current control and intermediate attestation), equipped with a multimedia system. Special furniture and equipment: Educational furniture for 122 seats (study table 61 pcs., chairs 122 pcs.), the teacher's workplace, desk m/m, drawer 1 pc, chalk board 1 pc (3 sections), chair 1 pc, drawer 1 pc, chair 1 pc, Chair 2 pcs., Intel i3-2100 2.4 Ghz /4Gb/500Gb/Acer V193 19" - 1 pc, Sound projector Yamaha YSP-3000 - 1 pc, Projector stand with camera decks - 1 pc, Projection screen draper - 1 pc, Multimedia projector Type 2 Panasonic PT-VX610E	191023, St. Petersburg, Griboedova canal, 30-32, lit. A, Б, P

7. METHODOLOGICAL GUIDELINES FOR STUDENTS

The following documents should be made available to the trainee before the start of the course:

- training and methodological documentation;
- local normative acts regulating the main issues of the organisation and implementation of educational activities, including those regulating the procedure for current monitoring and interim assessment of students;
- the schedule of consultations of the teaching staff.

The level and depth of mastering the discipline is determined by the active and systematic work of students in lectures, seminars, independent work, including in terms of identifying the most significant and relevant problems for further study. A special condition for qualitative mastering of the discipline is an effective organisation of work, which allows distributing the academic workload evenly in accordance with the schedule of the educational process.

When preparing for classes, students have the opportunity to attend consultations with the staff of UNECON according to the timetable set out in the schedule of consultations.

The students' in- and out-of-classroom work should aim to form:

- the fundamentals of the learner's world view and scientific understanding;
- basic knowledge relevant to the training area and the declared professional field, forming the target and professional basis for training;
- professional competences oriented towards the needs of the labour market;
- an individual trajectory by mastering a unique set of professional competences that complement the learner's competence model, through a focus on specific professional specialised areas of knowledge defined by labour market representatives;
- meta-skills for learners, such as teamwork and leadership, data analysis, digital skills, project design and implementation, intercultural interaction.

8. SPECIFICATIONS FOR TEACHING DISABLED PERSONS

Students with disabilities, if necessary, are taught on the basis of an adapted work programme using special teaching methods and didactic materials that take into account the particularities of their psychophysical development, individual capacities and health status.

In order for disabled persons and persons with disabilities to master the curriculum, the University shall ensure that:

- for the visually impaired and visually impaired: availability of information on the timetable in accessible places and adapted forms for learners who are blind or visually impaired; presence of an assistant to assist the learner as needed; production of alternative formats of teaching materials (large print or audio files);

- for the hearing-impaired and hearing-impaired: adequate sound reproduction of information;

- for persons with disabilities and persons with mobility impairments: the possibility of unimpeded access for students to classrooms, restrooms and other areas of the department, as well as their stay in these areas.

Learners with disabilities and persons with disabilities are provided with printed and/or electronic educational resources in forms adapted to their disabilities. The education of students with disabilities may be organised with other students or in separate groups or organisations.

ASSESSMENT RESOURCES

1.1 Control tasks and assignments for interim attestation

- 1 Financial market. Functions of the financial market.
- 2 Market of derivative financial instruments.
- 3 Financial system and financial market.
- 4 Financial institutions and markets. Types of financial systems.
- 5 The main global trends in the development of financial markets.
- 6 Interest rates and factors determining them. The mechanism of formation of the interest rate in the market.
- 7 Profitability and risk in the financial market. Indicators of profitability and risk and their ratio.
- 8 Types of risks associated with securities.
- 9 Features of solving the problem of information asymmetry in various types of financial systems.
- 10 Types of financial intermediaries and their place in the financial market.
- 11 Models of valuation of shares and their application in practice.
- 12 Valuation and evaluation of bond yields.
- 13 Duration and its features.
- 14 Government securities and government domestic and foreign debt.
- 15 Valuation of bills and profitability of bills.
- 16 Rating of securities and issuers.
- 17 Fundamental and technical analysis of securities.
- 18 Estimation of emission costs and selection of emission parameters.
- 19 Types of financial risks.
- 20 Systems for quantitative and qualitative assessment of various types of financial risks.
- 21 Credit rating of securities as a method of comparative assessment of credit risk and rating agencies.
- 22 Basic financial risk management strategies.
- 23 Assessment and methods of currency risk management.
- 24 Contents of portfolio management.
- 25 Risks associated with securities portfolios.
- 26 Types of portfolio strategies.
- 27 Expected return and risk of the securities portfolio.
- 28 Regulatory functions in international financial markets.
- 29 Manipulation and insider trading in international financial markets.
- 30 Professional ethics of the stock market. Basic ethical principles.
- 31 Concept, characteristics, causes of crises, manias, panics.
- 32 Types of financial crises.
- 33 Globalization and liberalization in financial markets, their role in the development of international financial crises
- 34 Analysis of the company's financial performance.
- 35 Exchange and over-the-counter market instruments, the concept of market organizers.

- 36 Classifications of futures contracts: by types of contracts, by types of assets, by maturity, by trading systems, etc.
- 37 Basic types of futures contracts: forward, futures, options, swap contracts.
- 38 Main areas of use of derivatives.
- 39 The concept of a futures contract. Main characteristics of futures contracts.
- 40 Comparison of futures and forward contracts.
- 41 Types of futures contracts. Underlying assets of futures contracts.
- 42 Relationship and interaction of futures markets and markets for real goods.
- 43 Mechanisms for organizing trading in derivatives: registration of transactions, reverse (offset) transaction, opening and closing positions, margin fees.
- 44 Hedging and speculation in futures contracts.
- 45 The concept of an exchange, or freely tradable, option contract.
- 46 Main classes of option contracts: call and put. Options types: American and European.
- 47 Types of options depending on the type of underlying asset: commodity, financial, futures, etc.
- 48 Key pricing factors. The intrinsic value and time value of an option. price models. The price parity of call and put options.
- 49 Types and classifications of option strategies.
- 50 The concept of a swap contract and its economic basis.
- 51 Swap contracts market, its participants and organization.
- 52 Purposes and reasons for concluding swap contracts. Types and classifications of swap contracts depending on the asset underlying the contract, terms, interest rates, contract amounts.

1.2 Topics for written task

Is not provided by the work programme of the discipline.

1.3 Interim checkpoints

Number	Type	Method of conduct	Topic number
1	Practical work	with the help of technical means and information systems	1,2,4,7
2	Case	with the help of technical means and information systems	3,4,5
3	Monitoring	with the help of technical means and information systems	1-7

1.4 Other assessment objects

Is not provided by the work programme of the discipline.

1.5 Self-study

Name of self-study	Topic number
Preparation for lectures and practical classes	1-7

1.6 Grading scale

Scales of assessment and procedures for assessing learning outcomes of the discipline are regulated by the Regulations on the current control of progress and interim attestation of students in higher education programmes and the Regulations on the scoring and rating system.

A grading and rating system is used to assess the learning outcomes of the discipline:

The final control of the discipline is an examination (or a differentiated test), the final grade being formed in accordance with the scale given in the table below:

Points	Grade
≤ 54	failed
55-69	satisfactory
70-84	good
≥ 85	excellent

Grading scale

2 (points to 54)	Demonstrates a lack of understanding of the problem. Many of the requirements of the assignment are not met. An initial perception of the material is demonstrated. The work is incomplete and/or plagiarized.
3 (points 55-69)	Demonstrates a partial understanding of the problem. Most of the requirements of the task have been met. Mastery of the elements of the assigned material. The material is mostly clear and coherent.
4 (points 70-84)	Demonstrates considerable understanding of the issue by the discipline. All requirements of the assignment are fulfilled. The content of the completed tasks is disclosed and examined from different perspectives.
5 (points 85-100)	Demonstrates full understanding of the problem. All requirements of the assignment are fulfilled. Demonstrates proficiency in the discipline. The completed assignments are holistic, complete, structured, present different points of view and demonstrate creativity.