



MODERN FINANCIAL TECHNOLOGIES IN INVESTMENT AND BANKING

MASTER'S PROGRAMME DEGREE



PROGRAM ADVANTAGES

- ✓ Training in world-class HIGHER EDUCATION INSTITUTION (392 QS, Russian University Ranking 2019 the 3rd place).
- ✓ Program will provide students with knowledge in the field of investment and bank risks, the financial analysis, corporate finance, the financial markets and financial and credit institutes, portfolio management technologies.
- ✓ It offers an excellent foundation for career in banking, personal finance and corporate finance or as an accountant or for further study.
- ✓ It provides individual educational trajectory: opportunities to choose a considerable number of elective courses throughout all term of training.
- ✓ There is a demand of graduates in labor market: the companies need the professional analysts capable to prove financial decisions, to implement investment projects, to operate portfolio investments.
- ✓ The professors are highly sought experts and experienced practitioners to apply theory to practice.
- ✓ An opportunity to do practical training in the large companies, the leading banks.
- ✓ Possibility of participation in the program of student's exchanges with partner higher education institutions.



STUDYING PROCESS

120 credits.

Lectures, a practical training, research work of masters and practice.



SOFTWARE OF INVESTMENT DECISIONS

- Mathematical models.
- Investment management.
- Actuarial calculations.
- Optimization modelling.
- Uncertainty in financial transactions.
- Risk assessment techniques of VaR and risk management.



FINANCIAL MARKETS AND FINANCIAL AND CREDIT INSTITUTES

- Securitization of financial assets.
- Institutes of collective investment. Financial market infrastructure.
- Internet services in the financial market.
- Initial public offering. Market of merges and acquisitions.
- Portfolio management modelling.



MANAGEMENT OF THE INVESTMENT PORTFOLIO

- Strategy of management of a portfolio.
- Investments in a structure of a portfolio.
- Active and passive models of management.
- Management of percentage risk and theory of immunization.
- Optimization of a risk portfolio of securities and game theory.



INVESTMENT AND BANK RISKS: THEORY AND PRACTICE

- Types of risks, strategic map of risks.
- Hedging of risk.
- Risk-management.
- The protection of the rights and legitimate interests of investors in the financial market.



ASSESSMENT AND MANAGEMENT OF THE COST OF BANK

- Long-term financial model: development, control, adjustment.
- Valuation standards for commercial banks.
- Merges and acquisitions in the bank system.



PROJECT FINANCING

- Model of life cycle of project financing.
- Instruments of external financing.
- Financial architecture and risks of the project.
- Securitization.
- Estimation of cost of the project.



STUDENTS FEEDBACK



PRONINA OLGA

“ The training for me was informative and interesting. I gained a lot of practical knowledge and skills, which will be useful to me further. For 2 years of resident instruction, we completely plunged into educational process. The master classes of high quality experts and successful graduates of RUDN who generously imparted experience were organized for us. These meetings gave much for understanding of features of professional activity and creation of own career.

We had an opportunity in RUDN to work in small groups with a range of financial institutions, tackling industry issues for tangible results. We have numerous ways to present our skills to leading finance organizations.

Now we are encouraged to take steps to develop our career in finance thanks to the “Modern Technologies in Investment and Banking” master degree. ”



DAVITADZE GIORGI

“ This educational program gives an expanded view of a situation in the market of banking services and investments. It helps me move seamlessly into the professional career. It forms skills of the business valuation, application of financial instruments.

The most important pluses of training:

- focus on practical use of knowledge;
- analysis of real business cases;
- development of investment projects;
- formation of skills of business valuation.

The program will be useful to all who plan or already works in the sphere of finance. ”



HEAD OF THE PROGRAMME

ALEXANDER YAKOVLEVICH BYSTRYAKOV



Doctor of Economics, professor has a long-term (more than twenty years) experience in the system of the higher education, including experience of development and implementation of educational programs in the sphere of economy and finance.

AREA OF SCIENTIFIC INTERESTS:

investments and innovations, regional economy and finance, financial control, crisis management by social systems.

The author of scientific articles in the reviewed Russian and foreign scientific magazines (HAC, SCOPUS, Web of Science). He has more than 80 publications.

Regularly makes reports at the international conferences on problems of financial regulation of economy. He is a coauthor of 18 textbooks, 7 of which have a signature stamp of the Ministry of Education, and 13 monographs. He is a head of several research projects on problems of development of a financial system.