



SOUTH-WEST UNIVERSITY "NEOFIT RILSKI"

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Department: Finance and accounting ECTS Information Package

Major: Finance

Master program: Digital Finance (FINTECH)

Education and qualification degree: Master

Purpose of preparation

The Master's program in "Digital Finance (FINTECH)" aims to prepare staff to perform management functions in the field of public and corporate finance, for the various levels of the budget and financial system of the Republic of Bulgaria, for the banking system and non-bank financial institutions and fintech companies in particular, the central bank and the financial structures of the European Union, the state institutions responsible for the processes of accumulation, management and spending of public funds.

Graduates of this specialty Digital Finance (FINTECH) can hold the following positions:

- financial manager with additional special competence in the field of digital financial technologies; specialist in financial operations with cryptocurrencies and blockchain technologies, peer-to-peer lending, start-up financing, digital insurance, etc .; finance specialist in budget organizations in a digital context; credit inspector using digital technologies; a broker or dealer working through digital platforms; a tax inspector familiar with the use of blockchain technologies in the field of taxation; insurance specialist in digital environment; social security specialist using blockchain technologies; customs inspector using digital technologies, etc.

Requirements for the preparation of the Master of Digital Finance

Future masters in "Digital Finance" (FINTECH) are prepared to make management decisions in a rapidly changing dynamic economic environment, formulate concepts and strategies for the development of the financial sector in an environment where the digitalization of financial services is a decisive factor for efficiency and the competitiveness of financial institutions.

The Master of Finance, with specialization in the field of digital finance, applies in an integrated way the obtained general theoretical and specialized economic knowledge in the field of digital finance, applies in an integrated way the received general theoretical and specialized economic knowledge in the field of:

- banking management and marketing, risk management with an emphasis on the use of blockchain technologies and cryptocurrencies;
- financial econometrics and financing of entrepreneurial activity in a digital environment;
- the policy and functions of the central bank in the context of the transition to the widespread use of electronic money and cryptocurrencies by both financial institutions and commercial and central banks,
- the economy of the public sector and the specifics of municipal finances in the context of the application of blockchain technologies and smart contracts for more efficient and faster collection of public revenues and higher transparency of expenditures;
- international public finances, existing programs and policies within the emerging unified European digital financial space.

Graduates of the specialty Finance can practice the following professions and occupy the respective positions according to the National Classification of Positions, 2011:

- 1211 Heads of financial activities; - 1213 Head of Internal Audit; - 1346 Head of a branch of a financial and insurance institution; - 2111 Auditors and accountants; - 2441 Economists; - 2422 Specialist in administrative policy / accounting /; - 7040 Head of the National Audit Office; - 7043 Head of Analysis and Forecasting; - - Strategic Planning Manager; - 7045 Head of a branch of the National Social Security Institute; - 5056 Project Manager; - 3312 Credit Specialist; - 3311 Securities broker; - 3313 Operational Accountant; - - 3314 Applied specialist statistics; - 3315 Appraiser of property and damages; - 3324 Trade intermediary; - 4311 Accountant; - 3321 Insurance agent; - 3334 Real estate and property management agents; - 3341 Office managers; - 3351 Customs and border inspectors; - 3352 Employees in the state administration, performing tax and financial control; - 3353 Inspector in the state administration, for social assistance and social insurance; - 3359 Applied specialists in the tax administration; - 4211 Bank cashiers and others; - 4214 Debt collectors and related; - 4312 Employees keeping statistical, financial and insurance documents;

The qualification characteristic of the specialty "Digital Finance (FINTECH)" for the educational qualification degree "Master" with professional qualification "Master of Digital Finance" is a basic document that determines the development of the curriculum and study programs. It is in compliance with the Higher Education Act, the Ordinance on the state requirements for acquiring Master's, Bachelor's, Specialist's degrees and the Regulations of SWU "Neofit Rilski".

STRUCTURE OF CURRICULUM

FIELD OF HIGHER EDUCATION: 3. SOCIAL, ECONOMIC AND LEGAL SCIENCES

PROFESSIONAL DIRECTION: 3.8. ECONOMICS

MAJOR: FINANCE

MASTER PROGRAM: DIGITAL FINANCE (FINTECH)

EDUCATION AND QUALIFICATION DEGREE: MASTER

PROFESSIONAL QUALIFICATION: MASTER DIGITAL FINANCE (FINTECH)

FORM OF EDUCATION: REGULAR AND EXTRAMURAL

First year			
First semester	ECTS credits	Second semester	ECTS credits
1. Economics 2. Finance 3. Money and credit theory 4. Accounting 5. Fundamentals of financial control 6. Elective course group I	4.0 6.0 6.0 6.0 4.0 4.0	1. Corporate finance 2. Municipal finance 3. Banking 4. Fundamentals of insurance 5. Elective course group II 6. Elective course group III	6.0 4.0 6.0 4.0 6.0 5.0
Elective courses (students choose one course from each group)		Elective courses (students choose one course from each group)	
Elective courses Group I 1. Mathematics 2. Econometrics	4.0 4.0	Elective courses Group II 1. Financial analysis 2. Financial planning Elective courses Group III 1. Statistics 2. Computer science	6.0 5.0 5.0 5.0
	Total 30		Total 30
Second year			
First semester	ECTS credits	Second semester	ECTS credits
1. Data base and cloud service management 2. Macroeconomics implication of financial technology 3. Digital insurance 4. Project financing 5. Market conjection and forecasting of digital markets 6. Elective course group IV 7. Elective course group V	5.0 5.0 6.0 4.0 4.0 3.0 3.0	1. Digital money and cryptocurrency 2. Venture capital and financing of innovation 3. FinTech regulation and control 4. Elective course group VI 5. Elective course group VII 6. Elective course group VIII State exam or Defense of a Master Thesis	3.0 3.0 3.0 2.0 2.0 2.0 15.0
Elective courses (students choose one course from each group)		Elective courses (students choose one course from each group)	
Elective courses Group IV 1. Virtual banks and digital payment 2. Financial services in FinTech company Elective courses Group V 1. European policies in the field of digitalization and modernization of the financial sector 2. Blockchain technology	3.0 3.0 3.0 3.0	Elective courses Group VI 1. Digital public administration 2. Consumer protection of digital financial services Elective courses Group VII 1. Informational security 2. Financial networks Elective courses Group VIII 1. Financial technologies and taxation in an electronic environment 2. Financial technology and financial stability	2.0 2.0 2.0 2.0 2.0 2.0
	Total 30		Total 30

TOTAL FOR 2 ACADEMIC YEARS: 120 CREDITS

DESCRIPTION OF ACADEMIC COURSES

Major: Finance

Master program: Digital finance (Fintech)

Education and qualification degree: Master

ECONOMICS

ECTS credits: 4

Form of assessment: on-going control and exam

Semester: 1

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Course Hours per week: 31 + 0s

Type of exam: written

Annotation:

The teaching Course helps the students-masters from the first Year, specialty “FINANCES” to understand and to think through the Contents, intermediate connections and the dependences between the different actors and institutions in the field of the economic theory. This must help them to get a correct orientation in many other fields of their theoretical and practical study. According Mansur Olsson the main target of the Microeconomic Theory is to research and to understand “ the behavior of the individuals and the bodies, involved in taking economic decisions regarding and in connection with their specific economic (and related) markets, so as also the intermediate connections, which every economic subject (body) must take into account in his economic (related) activity”. On the other hand Macroeconomics as a part of the core economic theory includes all important questions of the topic itself, the understanding and the analyze of a whole macro-economic system etc. It allows us to understand their since in complexity. We share the economic theory in two main parts – micro and macroeconomics provisionally in order to allow the more specialized study the whole political economy. This part of the general economical knowledge is well known in the Anglo-Saxon countries as ECONOMICS. We also recognize this term and analyze main aspects in the whole economic theory, based on the classical political economy putting numerous corrections and co-analyses made in a longer period of time by different famous researchers. The course is focused on some main aspects in the theory & practice of the modern market-economy. In the center of the course there are situated basic methodological regularities and there is an overview of general principles, valid for the whole economic performance – the so called “universal attitudes”. On them there made is a match of different “over-built” matters, connected to one or another important aspect of the economic performance in a broad sense. The main target is to find arguments for the theory, that the whole economic performance is directly and/or indirectly connected with the demand and supply processes, has a dependence by strong and weak market-pulses, is connected to the problem of an equilibrium, depends from the efficiency and profitability, requires specific planning approaches and implementation of many other tools – for example budget-policy, balances, some main economic indicators etc. The course analyzes various aspects of the behavior of economic systems as a whole and of individual subjects and objects in them on occasion and depending on the complex and interrelated system on the market in all its originality, variety and complexity. The course aims to: - To make students master the necessary knowledge-base in the market economy as a whole and all sense of complex internal relationships of the subjects and objects in it; - To help "to economize" their thinking as future professionals, public persons and / or managers in the business; - To make them familiar with the latest level of economic knowledge and to support discussion on some theoretical and practical issues, to help them increase the volume of their the educational level, allowing them to accumulate "over-structure" knowledge based on the as big as possible volume of data and facts they encounter in their real lives. The course should provide the students the general methodological approach for understanding complex interconnections and interdependencies of economic theory because students haven't so far required a common theoretical background. After finishing the course Micro-economics students must master: - To have acquired knowledge and to have insight view into a wide range of issues concerning theoretical economics of general and different practical attitudes to economic phenomena in particular. They must be aware of the opportunities for passive, but also active and creative application of knowledge for more effective behavior and practical activities in terms of the existing market order.

Contents of the course:

Introduction to the theory of economics - subject, scope and objectives of the discipline. Role and placement of the market - market mechanism, demand, supply, market equilibrium, elasticity. Main macroeconomic problems - Economic activity in units of the performance. Economic objectives. Instruments of macroeconomic policy. Structuring and environment of the market - business entities and bodies. Measures of the macroeconomic activity - gross domestic product. Alternative methods of measurement. Cycle of income and expenses. Definition of “wealth” in the economy, Theory of limitation of wealth - wealth species of wealth; Sufficiency of economic decisions. Ways and forms to generate business- solutions and their implementation - theoretical

aspects. Theory of the economic factors - factors of production. Division of labor in modern economies and its impact on the behavior of market players. Economic policy - nature and objectives of economic policy - macro and micro level. Economic prosperity. "Nominal" and "real" gross national product. Opportunities for decomposition of the GNP, rates of exclusion and monetary valuation of time. Consumption, investment and other components of aggregate demand. Classical theories and the theory of Keynes. Say's Law. Marginal propensity to consumption and saving. Determinants. Modern theories of the functions of using. Investment, government purchases and net exports. International trade relations. Protectionism against free trade. Theories of absolute and comparative advantages. Theorem of Heckscher-Ohlin. Leontief paradox. Duties and customs policy. Non-tariff barriers - import and export quotas, government subsidies, dumping, preferential trade agreements.

Teaching and assessment

Training course takes the form of lectures. The course ends with an exam. Priority in training is practical and independent work of students. Assessed are the knowledge, skills and competence in the implementation of the current control, of serious importance are the results achieved by the set assignments and tests.

FINANCE

ECTS credits: 6

Form of assessment: on-going control and exam

Semester: 1

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The Discipline "Finance" aims to provide the basic knowledge in the field of public finance. The course material reflects the classic and modern theoretical views in this area. Special attention is paid to the general government budget cycle and specificity of local finance. A detailed review is made of the main types of taxes applied in Bulgaria, quasi- tax and non-tax revenues, ways of taxation and techniques for collecting taxes. Government spending are presented in the budget classification. Special emphasis is placed on the problems of the budget deficit, the opportunities for its financing and debt management. Discussed are some basic regulations relating to the control of the collection and use of public funds. The material is selected in accordance with the current workload and specifics of the course and within a reasonable compromise between theoretical and applied material giving priority to the practical side of the topics. Developed are rich text material, case studies and practical tasks, which allow students to consolidate their theoretical knowledge and seek its application in practice.

Contents of the course

Money. Public (fiscal) finances. Consolidated State Budget. Budget Processing. Fiscal Decentralization. Taxes. Tax System and Tax Policy. Direct Taxation of the Property. Direct Income Taxation. Indirect Taxation. Excise Duties. Customs Duties and Customs Duty Policy. Value Added Tax. The Non Tax Revenues in the State Budget. Social Insurance. Budget Deficit and its Financing. Tax and Finance Controlling. International Public Finance.

Teaching and assessment

Training course takes the form of lectures. The course ends with an exam. Priority in training is practical and independent work of students. Assessed are the knowledge, skills and competence in the implementation of the current control, of serious importance are the results achieved by the set assignments and tests.

MONEY AND CREDIT THEORY

ECTS credits: 6

Form of assessment: on-going control and exam

Semester: 1

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The aim of the course is for students to acquire the necessary theoretical knowledge, allowing proper interpretation of the economic behavior of commercial banks and other financial intermediaries, as well as the Central Bank and financial supervisors. The discipline "Theory of Money and Credit" is one of the main disciplines in the training of specialists with higher economic education, specializing in the field of finance. It

Hours per week: 41 + 0s

Type of exam: written

Hours per week: 41 + 0s

Type of exam: written

specifies a number of theoretical positions related to micro and macroeconomics and risk management, while providing specific practical knowledge necessary for successful work in a modern market economy.

Course content:

History of money and money circulation. A brief history of central banks and banking systems in Europe, incl. types of banking and financial systems. Monetary base and money multiplier. Theories of money circulation and monetary policy - neoclassical approach, monetarism, rational expectations and real business cycles. Theories of money circulation and monetary policy - Keynesian theories, fiscal theory of the price level. Money market and financial markets - role and functions of central banks. Currency regimes and currency markets. Monetary and fiscal policy - coordination. International monetary and financial organizations, optimal currency zones. Bank supervision.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

ACCOUNTING

ECTS credits: 6

Form of assessment: on-going control and exam

Semester: 1

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

Considered are scientific and theoretical bases of accounting: nature, modes, means and organization of accounting as an information and control system. Clarified are the legal framework of accounting, Accountancy Act, IAS, NAS, chart of accounts. The aim is to provide scientific and practical training of students in this important area of scientific knowledge.

Contents of the course:

Accountancy as an information and control system. Economic resources of the enterprise as an object of accounting. Way of summarizing the balance sheet. Double entry accounting. Relationship and dependencies between the balance sheet and the system of accounts in the process of accounting for the enterprise's operations. Method of documentation. Inventory. Valuation of assets and liabilities. Calculation. Current accounting. Types and evaluation of assets and liabilities under the Accountancy Act and their applicability in accounting practice. Principles of accounting for expenses, labor costs and insurance, manufacturing and sales of products, goods and services of the company. Principles of accounting for capital reserves and financial results.

Teaching and assessment

Training course takes the form of lectures and seminars. The course ends with an exam. Priority in training is practical and independent work of students. Assessed are the knowledge, skills and competence in the implementation of the current control, of serious importance are the results achieved by the set assignments and tests.

FUNDAMENTALS OF FINANCIAL CONTROL

ECTS credits: 4

Form of assessment: on-going control and exam

Semester: 1

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The aim of the course is for students to gain knowledge about the nature, practical application and the main tasks and role that financial control performs as a function of financial management in the public and private sector. Students master the basic theoretical foundations, methodological standards and technologies of individual control proceedings in thematic types of financial control.

Course content:

Nature and theoretical foundations of financial control. Main categories of financial control. Methods, procedures, techniques and means of financial control. Independent financial audit in the private sector. System

Hours per week: 21 + 2s

Type of exam: written

Hours per week: 21 + 1s

Type of exam: written

of state controls of financial nature in the Republic of Bulgaria. Internal control under the "COSO" framework. Financial management and control in the public sector of the Republic of Bulgaria. State Financial Inspection in the Republic of Bulgaria. External audit in the public sector, performed by the National Audit Office of the Republic of Bulgaria. Internal audit in the public sector of the Republic of Bulgaria. Performance audit. Tax and social security control in the Republic of Bulgaria. Customs supervision and customs control. Currency regime and currency control. Control of public finances of the European Union. Protection of the financial interest of the European Union.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

MATHEMATICS

ECTS credits: 4

Form of assessment: on-going control and exam

Semester: 1

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The course provides basic knowledge about systems of linear equations, functions – limits, derivatives and exploration, integrals, ordinary differential equations. Variations, combinations and permutations are studied to understand the basics of probability theory, quantitative methods and mathematical statistics.

Contents of the course:

Multitudes и images; Real numbers; Combinatory; Mathematical induction; Determinants; Linear equation systems; Polynomials; Coordinate systems; Straight line in a plane; Lines in a plane; Infinite number sequences; Functions of one real variable; Continuous functions; Derivatives and differentials of a function; Basic theorems in differentiating; Function exploration; Indefinite integral; Definite integral; Geometrical applications of definite integrals; Approximate calculation of integrals; Ordinary differential equations; Elements of probability theory.

Teaching and assessment

Training course takes the form of lectures and seminars. The course ends with an exam. Priority in training is practical and independent work of students. Assessed are the knowledge, skills and competence in the implementation of the current control, of serious importance are the results achieved by the set assignments and tests.

ECONOMETRICS

ECTS credits: 4

Form of assessment: on-going control and exam

Semester: 1

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Lecturers:

Assoc. Prof. Dr. Petar Milanov, Faculty of natural sciences and mathematics

Annotation:

The material is selected in accordance with the prescribed workload and specifics of the program and within a reasonable compromise between the theoretical and empirical material is given priority to the relationship between economic theory and real opportunities for econometric analysis of the behavior of businesses, consumers and macroeconomic developments in the economy. The course "Econometrics" is a key discipline in the training of specialists with higher education in economics. It allows for empirical evaluation of the theoretical knowledge and their actual use of micro and macro level, while based on a minimum of basic knowledge in mathematics and statistics.

Contents of the course:

What is Econometrics? Economic information, the process of generating information, local process of generating information. Mathematical models: typology and structure. Construction phases of the model. Linear econometric models with one explanatory variable. Econometric models with an equation explaining the several

Hours per week: 21 + 1s

Type of exam: written

Hours per week: 21 + 1s

Type of exam: written

variables. Econometric models with multiple equations. Testing statistical hypotheses-averages. Methods for analysis of time series. Risk theory and quantitative methods of risk assessment. Analysis of economic cycles - Quintile Regression. Queuing systems. Processes "doom and generation". Game Theory. Games with complete information. Introduction to Matlab, Working with Simulink

Teaching and assessment

Training course takes the form of lectures and seminars. The course ends with an exam. Priority in training is practical and independent work of students. Assessed are the knowledge, skills and competence in the implementation of the current control, of serious importance are the results achieved by the set assignments and tests.

CORPORATE FINANCE

ECTS credits: 6

Form of assessment: on-going control and exam

Semester: 2

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The course aims to provide basic knowledge about the finance of various legal forms of businesses, their financial problems and tax policy, structure and management of capital and assets and the effectiveness of their investment decisions. The material is selected in accordance with the current workload and specifics of the course and within a reasonable compromise between theoretical and applied material giving priority to the practical side of the topics. Developed are rich text material, case studies and practical tasks to help students reinforce their theoretical knowledge and apply it in practice.

Contents of the course

Introduction to basic concepts. Capital of the enterprise. Cost of capital. Capital structure of the company. Annual financial statements. Financial results. Reproduction of the capital of the company. Management of current assets. Methods of valuation of assets. Investment. Static methods for assessing the effectiveness of investment. Dynamic methods for assessing the effectiveness of investment. The risk in investing. Investing in financial assets. Liquidity of the company. Financial analysis, planning and forecasting.

Teaching and assessment

Training course takes the form of lectures. The course ends with an exam. Priority in training is practical and independent work of students. Assessed are the knowledge, skills and competence in the implementation of the current control, of serious importance are the results achieved by the set assignments and tests.

MUNICIPAL FINANCE

ECTS credits: 4

Form of assessment: on-going control and exam

Semester: 2

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The course structurally covers both basic common themes about the nature and role of local government and fiscal decentralization in the public sector and specific problems of efficiency of municipal expenditures and optimality of taxation at the local level. Special emphasis is placed on the applicability of the deficit budget financing of local budgets and the problems of municipal debt. The material is selected in accordance with the current workload and specifics of the course and within a reasonable compromise between theoretical and applied material giving priority to the practical side of the issue topics. Developed rich text material, case studies and practical tasks aim to consolidate received as part of the course knowledge to develop and seek their actual application in practice. The aim of the course "Municipal finance" is to provide students in-depth knowledge of local government and financial autonomy of local authorities, they are familiar with the basic prerequisites for cost efficiency and optimality of tax revenues at the local level and the possibilities for their application in modern conditions.

Course contents:

Role of the state in the national economy. Public goods. Local self-governance and financial autonomy of the local governments. Parameters and problems of decentralization in Bulgaria. Local governments' expenditure.

Hours per week: 41 + 0s

Type of exam: written

Hours per week: 31 + 0s

Type of exam: written

Local taxes. Local charges. Non-tax revenues in the local budgets. Local governments financing by debt issue. Intergovernmental fiscal relations. Municipal bonds

Teaching and assessment

Training course takes the form of lectures. The course ends with an exam. Priority in training is practical and independent work of students. Assessed are the knowledge, skills and competence in the implementation of the current control, of serious importance are the results achieved by the set assignments and tests.

BANKING

ECTS credits: 4

Form of assessment: on-going control and exam

Semester: 2

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The course provides fundamental and applicable knowledge about banking and financial intermediation. The course consists of two parts – central banking (currency board arrangements) and commercial banking. The economic role and functions of a central bank are presented, as well as goals and instruments of monetary and credit policy. Special attention is paid to the currency board arrangement in Bulgaria. The goal of the course is to supply students with the knowledge necessary for successful business relations or/and professional realization with the financial institutions.

Course contents:

Essence and history of banking. General characteristics of bank system in Bulgaria. Role and functions of the central bank. Monetary and credit policies of the central bank. Bank control and supervision. Currency board arrangements. General model of a commercial bank. Commercial bank's assets and liabilities. Bank payment services. Special services by commercial banks. Commercial banks on the currency market. Bank risks. Economic base of a stable commercial bank. Profit and profitability of a commercial bank.

Teaching and assessment

Training course takes the form of lectures. The course ends with an exam. Priority in training is practical and independent work of students. Assessed are the knowledge, skills and competence in the implementation of the current control, of serious importance are the results achieved by the set assignments and tests.

FUNDAMENTALS OF INSURANCE

ECTS credits: 5

Form of assessment: on-going control and exam

Semester: 2

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The course aims future economists to learn about the content and importance of insurance relations as a specific type of economic relations with the activities through which these relations are carried out, as well as state influence on the strengthening and development. With the reviewed types of insurance the future financiers and accountants are oriented and become familiar with the basic problems of insurance, focusing on their essential, unchanging in time characteristics. This will be necessary regardless of which side of the insurance contract will run graduates - as experts in insurance company or as experts of its clients.

Course contents:

Essence, functions and significance of insurance. Types of insurance contracts in the Republic of Bulgaria according to the Insurance Act. Personal and property insurance. Life insurance – types and characteristics. Entering into an insurance contract. Insurance contracts offered in Bulgaria and their characteristics. Covered and uncovered risks. Object and subject of insurance. Insurer's liability. Insurance sum and insurance premium. Liquidation of damage. Income and expenditures of insurance companies. Reserves and taxation of insurance companies. Marketing strategies in insurance.

Teaching and assessment

Training course takes the form of lectures. The course ends with an exam. Priority in training is practical and independent work of students. Assessed are the knowledge, skills and competence in the implementation of the current control, of serious importance are the results achieved by the set assignments and tests.

Hours per week: 31 + 0s

Type of exam: written

Hours per week: 21 + 0s

Type of exam: written

FINANCIAL ANALYSIS

ECTS credits: 6

Form of assessment: on-going control and exam

Semester: 2

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The aim of the course "Financial Analysis" is for students to gain in-depth knowledge of financing and budgeting of international corporations, working capital management, value-based management and many other specifics of their financial management.

Course content:

Basic concepts in corporate finance. Features of the financial management of international corporations. Financial statements, cash flows and taxes of international corporations. Analysis of the financial statements of international corporations. Time value of money. Fixed income securities. Capital Assets Valuation Model (MOCA). Valuation of shares. Equilibrium in the stock market. Financial options and their application in corporate finance. Price of capital. Fundamentals of capital budgeting. Estimation of cash flows. Risk analysis

Financial planning and forecasting of the financial statements of international corporations. Valuation of the corporation. Corporate governance and value-based management. Dividends and share repurchases. Capital structure. Working capital management. Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

Hours per week: 41 + 0s

Type of exam: written

FINANCIAL PLANNING

ECTS credits: 6

Form of assessment: on-going control and exam

Semester: 2

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The scientific and theoretical bases of financial planning at the macroeconomic level are considered. Special attention is paid to the methodology of the International Monetary Fund for macroeconomic development design, known as financial programming, and its application in Bulgaria. Due to the extremely important role of the IMF and the World Bank in the transition of Bulgaria to a market economy, the relations of our country with the two financial institutions are traced in detail. Emphasis is placed on the peculiarities of macroeconomic design and management in the conditions of a currency board as a strictly specific form of a fixed exchange rate regime. The design of the indicators and proportions on the whole front of macroeconomic interactions is monitored: real economy, monetary balances, fiscal sphere, financial relations with foreign countries.

Course content:

Nature and specifics of macroeconomic planning and forecasting. International Monetary Fund. Agreements of Bulgaria with the IMF and the World Bank. Currency regimes. Characteristics and parameters of the Bulgarian Currency Board. Balance sheets of the Bulgarian Currency Board. Monetary balances. Statistical measurement of aggregate economic activity. Forecasting aggregate economic activity. Income, employment and inflation. Balance of payment. External payment determinants. Design of the state budget. Macroeconomic models. Government macroeconomic forecasts. Macroeconomic specifics of Bulgaria.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

Hours per week: 41 + 0s

Type of exam: written

CAPITAL MARKETS

ECTS credits: 5

Form of assessment: on-going control and exam

Semester: 2

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The aim of the course is for students to acquire theoretical knowledge in the discipline "Stock Exchanges" and their practical application in a real market economy and its dynamic modern development. The main goal is to combine theory and practice and as a result effective implementation in the process of work / regardless of the level of participation / of the stock exchange and its various structures - globally and nationally. The labor market in the field of stock trading is and will be increasingly demanding in terms of competitiveness, as international financial and stock markets in modern conditions occupy a key place in the world economy. There is another fundamental goal - that of personal motivation, which is determined not only by the financial dimensions of income.

Course content:

Financial intermediation. Financial markets and major players. Theory of financial markets. Theory of financial markets. Stock exchanges. Stock markets. Issue of securities. Secondary markets, market strategies. Derivative markets. Major regional stock exchanges. Money and stock markets, reflection of macroeconomic policy. Currency markets and currency exchanges. EU single financial market, euro area. Financial supervision and self-regulation. Bulgarian Financial Market and BSE.

Training and assessment technology

The training in the discipline is carried out in the form of lectures and seminars. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence are assessed during the seminars, during the implementation of the current control, and the results achieved by the set tasks and tests are of great importance.

Hours per week: 31 + 0s

Type of exam: written

INTERNATIONAL FINANCE

ECTS credits: 5

Form of assessment: on-going control and exam

Semester: 2

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The course "International Financial Markets" aims to teach students the basics of the theory of capital markets and the most important institutional foundations of exchange trading and other financial transactions. The material is selected in accordance with the prescribed workload and specifics of the program and within a reasonable compromise between the theoretical and empirical material. The priority is assigned to the relationship between economic theory and actual market behavior of investors, issuers and other market agents. To this end, some topics that are not included in the curricula of courses on stock exchanges and financial markets are added and discussed in more details. The course "International Financial Markets" is one of the main subjects in the training of specialists with higher education in economics specializing in finance. It specifies a number of theoretical issues related to micro and macroeconomics, while giving practical knowledge necessary for successful work in a competitive market environment.

Contents of the course:

Financial System. Financial markets and financial intermediaries. Theory of financial markets, CAPM. Theory of financial markets, Arbitrage Pricing Theory. Theory of financial markets, Complete System of Markets. Theory of financial markets, derivative markets. Theory of financial markets and information efficiency. Theory of financial markets, empirical aspects. Money and stock markets, the role of macroeconomic policy. Theoretical approaches to monetary and fiscal policy and their impact on financial markets. Foreign exchange markets and capital movements. Theory of optimum currency areas, a single EU financial market, the euro area. Financial supervision and self-regulation. Bulgarian Stock Exchange and financial market. Application of theories related to capital markets to Bulgarian financial market.

Teaching and assessment

Course hours per week: 31 + 2s

Type of exam: written

Training course takes the form of lectures. The course ends with an exam. Priority in training is practical and independent work of students. Assessed are the knowledge, skills and competence in the implementation of the current control, of serious importance are the results achieved by the set assignments and tests.

DATABASE AND CLOUD SERVICES MANAGEMENT

ECTS credits: 5

Form of assessment: on-going control and exam

Semester: 3

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Course hours per week: 31 + 0s

Type of exam: written

Annotation:

The aim of the course "Database Management and Cloud Services" is for students to gain theoretical knowledge and practical experience in working with databases and cloud services.

The main task is for students to build an understanding of the models, techniques and architectures of databases and cloud services, as well as their application by providers in providing common business functions such as data storage, computing resources and online messaging.

Course content:

Introduction to database management. Definitions and main characteristics of a database and a database management system (DBMS). Data models - basic concepts. Objects and their description. Logical foundations of databases. Data description languages (EOD). Data processing languages (EBS). Physical foundations of databases. Files - basic concepts. Basic search methods. File types. Database management systems. DBMS overview. Microsoft SQL Server, MySQL, Microsoft Access, Oracle. Relational approach. Relational model. Relational structures. Keys. Types of relational languages for database management (ALPHA, QBE, SQL). Data selection. Built-in functions. Data update. Data management in a relational database with the SQL language. Analysis of relational schemes. Normal shapes. Data quality management. Data quality characteristics. Data security management in databases. Nature of the object approach. Basic concepts in the object-oriented approach. NoSQL databases. Data mining. Big Data management. Cloud based databases. Cloud resource management. Cloud services - modeling and simulation tools.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

MACROECONOMICS IMPLICATIONS OF FINANCIAL TECHNOLOGIES

ECTS credits: 5

Form of assessment: on-going control and exam

Semester: 3

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Course hours per week: 31 + 0s

Type of exam: written

Annotation:

The aim of the course "Macroeconomic implications of financial technologies" is for students to gain in-depth knowledge of the opportunities and risks posed by new financial technologies at the micro and macro levels. The emphasis is on the macroeconomic effects of financial technologies and the reaction of central banks to them (changes in monetary policy and regulation of the financial sector).

Course content:

Introduction to new financial technologies (FinTech). Impact of FinTech on financial intermediation, efficiency and competition in financial markets. FinTech, contractual risk and transaction costs. Influence of FinTech on financial stability, financial regulation and financial supervision. Economic consequences of FinTech. Macroeconomic effects of online lending. FinTech and the macroeconomic cycle. FinTech and monetary policy.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

DIGITAL INSURANCE

ECTS credits: 6

Form of assessment: on-going control and exam

Semester: 3

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The aim of the course "Digital Insurance" is for students to receive in-depth training in the field of digital insurance by forming knowledge about their nature and the changes they cause in the ecosystem of the traditional model of insurance relations.

Course content:

Insurance protection in the information age - the essence of digital insurance (InsurTech). Basic principles of realization of insurance relations in digital environment. Changes have been made in the insurer's approach to the scope and implementation of insurance protection through the mediation of digital technologies. InsurTech funding. Insurance intermediation and distribution models. The insurance ecosystem in a digital environment. The sharing or gig economy and insurance. The impact of technologies based on artificial intelligence on the model of insurance relations. (The impact of AI on the future of insurance. Robo-advice and AI). Collection and analysis of insurance data in the implementation model of InsurTech. Regulations of digital technologies in insurance. Personal data and information protection in InsurTech. Digital technologies for increasing the efficiency of implementation of the regulatory and regulatory requirements for carrying out insurance activity - RegTech. Potential and prospects for digital insurance in the context of technological development and the established business model of insurance relations. Cloud services and calculations in the digital insurance model. Startup financing of digital insurance (InsurTech startups) - opportunities, capitalization and positive examples. Business strategies such as IoT strategy and digital insurance - opportunities and challenges for the business model of insurers. Blockchain technologies in digital insurance - essence, possibilities and application. Benefits and risks of the application of blockchain technology in digital insurance. Blockchain technology and its application in the insurance value chain.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

PROJECT FINANSING

ECTS credits: 4

Form of assessment: on-going control and exam

Semester: 3

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The aim of the course "Project Finance" is for students to gain in-depth knowledge in the field of development, financial management and reporting of projects, getting acquainted with the basic approaches and techniques for applying for national and international funding and opportunities for their application in modern conditions.

Course content:

Concepts, principles, mechanisms and approaches needed in project preparation and administration. Introduction to the practical mastery of skills for developing a project for applying for national and international funding. Step-by-step approach. Basic requirements, standards and criteria. Teamwork and partnership. Nature, specifics, components, elements and logic of the project cycle. The "logical framework" approach: programming, identification, formulation, planning, budgeting, implementation, monitoring, evaluation. Nature and specifics of techniques for problem identification and analysis. Preparation of a "problem tree" by applying the method of the

Course hours per week: 31 + 0s

Type of exam: written

same name. Nature and specifics of goal setting in project development and implementation. Preparation of a "goal tree" by applying the method of the same name. Generate ideas for original solutions to identified problems and achieve goals. The "brainstorming" method. Planning of project activities. Eligible activities. Methodology and organization of project activities. Schedule of project activities. Expected results, monitoring and evaluation of the project. Financial limits of project financing. Eligibility criteria. Methodology for determining the eligible costs - statutory amounts or real market prices. Eligible direct costs: costs of labor and other remuneration, costs of business trips, costs of materials, consumables and other inventories, costs of external services, depreciation costs, other direct costs. Eligible indirect costs declared at a constant rate. Ineligible costs. Project accounting. Development and budgeting of the project. Nature, goals, tasks and stages of project budgeting. Basic requirements to the project budget. Linking the financial resources with the planned activities and the set goals. Efficiency and realism of the budget. Reporting on project financing. Nature and features of the application form. Types of forms. Basic requirements for filling in application forms. Forming a project team and providing support from partner organizations. Criteria for assessing administrative compliance. Eligibility assessment criteria. Criteria for evaluating the quality of the project proposal. Concluding a contract for project financing. Current reporting and financial statements for project financing. European integration and institutions of the European Union. European Union policies. Structural and investment funds of the European Union. National Development Program Bulgaria 2020 - essence, goals, priorities and principles.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

MARKET CONJECTION AND FORECASTING OF DIGITAL MARKETS

ECTS credits: 4

Form of assessment: on-going control and exam

Semester: 3

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The course is intended for students of the specialty "Digital finance (FINTECH)" as specialized information on the specifics of conjunctural research and forecasts in the digital financial industry at the international and national level. The aim is to present the students basic specifics, requirements and standards of the market environment, such as a snapshot and future forecast of the state of economic systems in the financial sector and, in particular, the digital finance sector, as well as all internal and external factors that influence and determine its future development.

Course content:

Features and factors that determine the situation in digital markets. The place and role of conjunctive research in financial sector. Functions of conjunctural research in international digital finance. Conjunctural forecasts as a tool for managing efficiency in digital finance. Types of digital financial markets at national, regional and international level. Methodology requirements for carrying out conjunctural analyzes and forecasts. Specific difficulties and weaknesses in compiling conjunctural forecasts. Long-term, short-term and operational market-price research. Basics of science-based forecasting. Subjective and objective forecasting methods. Univariate and multivariate forecasting methods. Exponential methods for forecasting in digital finance: Holt's method, Holt-Winters method, Taylor's method, Garcia-Diaz correction. Initialization of the basic values and determination of the smoothing constants in forecasting by exponential smoothing. Primary and secondary sources of information about the current situation in digital finance. Planning and organization of work in conducting conjunctural research. Leading world centers for data mining and market research, forecasts and analysis in digital finance. Leading international private companies and non-profit organizations specializing in conducting market research.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of serious importance.

VIRTUAL BANKS AND DIGITAL PAYMENTS

ECTS credits: 3

Form of assessment: on-going control and exam

Semester: 3

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Anotation

The aim of the course "Virtual Banks and Digital Payments" is for students to gain in-depth knowledge in the field of digital finance, Internet / online banking, mobile banking, digital payments, working with an electronic wallet.

Course content:

Clarification of the essence of the concepts virtual bank, mobile bank and digital payments. Virtual / Digital banks - main characteristics and features. Mobile bank. Virtual banks - advantages and disadvantages. Legal regulation of virtual banks. Internet / Online banking - essence and characteristics. Mobile banking. Practical work with online / internet banking and mobile banking for individuals and legal entities. Digital payments - types and characteristics. Comparative characteristics between digital and physical payments. Mobile payments - nature and characteristics. Electronic wallet - characteristics and features. Channels for digital payments - smartphones, laptops, video banks, etc. The role of digital payments in the development of small and medium business. Banking security innovations in the context of virtual banks. Potential opportunities for development of electronic banking and virtual banks.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

Course hours per week: 21 + 0s

Type of exam: written

FINANCIAL SERVICES OF FINTECH COMPANIES

ECTS credits: 3

Form of assessment: on-going control and exam

Semester: 3

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The aim of the course "Financial Services of FinTech Companies" is for students to gain in-depth knowledge in the field of FinTech companies and in particular, the basic financial services offered by these companies. The course covers theoretical and practical approaches and tasks, problems and specific cases related to the theoretical foundations and methodological approaches in the field of financial services of FinTech companies. The main characteristics and features of FinTech companies are considered in detail; the legislative framework governing the operation of FinTech companies; the advantages and disadvantages of FinTech companies. Special emphasis is placed on the presentation of the main financial services offered by FinTech companies, such as blockchain technology, payments and transactions via mobile devices, electronic payments, data management and others. In addition, an analysis of the development of the FinTech industry in Bulgaria has been made.

Course content:

Clarification of the essence of the terms FinTech and FinTech company. Legislative framework governing the operation of FinTech companies. Business relationships between financial companies and FinTech companies. Main advantages and disadvantages of FinTech companies. Bulgarian Fintech companies. Financial services of Fintech companies. Peer-to-peer (P2P) system. Blockchain technology - Fintech services. Payments and transactions via mobile devices - basic Fintech services. Investments and sales made by Fintech companies. Payment services. Savings and lending offered by Fintech companies. Data management and use. Raising capital. Fintech companies - role and impact on the financial sector.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

Course hours per week: 21 + 0s

Type of exam: written

EUROPEAN DIGITALIZATION POLICIES AND MODERNIZATION OF THE FINANCIAL SECTOR

ECTS credits: 3

Form of assessment: on-going control and exam

Semester: 3

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The aim of the course "European policies in the field of digitalization and modernization of the financial sector" is for students to gain in-depth knowledge in the field of financial innovation, its benefits and importance for accelerated digitalization, raising capital for start-ups, cyber risk and cybersecurity .

Course content:

Financial innovation. Strategies for monitoring and monitoring of financial innovations in Bulgaria. Digital single market for Europe. Digitization of financial services. Digitization and modernization in the banking sector. Digital business transformation. Digital technologies and ethical finance. Legal framework for cryptocurrency trading. Taxation of transactions with cryptocurrencies. Industry 4.0: Digitalization and growth prospects of the Bulgarian economy. Start-up innovative companies in Bulgaria. Cyber risk. Cyber security. Geoblocking. Digital platforms and digital infrastructure.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

Course hours per week: 21 + 0s

Type of exam: written

BLOCKCHAIN TECHNOLOGY

ECTS credits: 3

Form of assessment: on-going control and exam

Semester: 3

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The aim of the course "Blockchain Technology" is for students to gain in-depth knowledge in the field of blockchain technology, blockchain transactions, their advantages and disadvantages, raising capital for start-up companies, functions and importance of smart contracts, participants in blockchain transactions.

Course content:

Genesis of Blockchain technology. Blockchain technology - essence and characteristics. Disadvantages and limitations in the blockchain. Advantages and application of blockchain technology. Importance of blockchain technology for financial markets. Cryptocurrency and cryptocurrencies. Cryptocurrencies as a fundraising mechanism. Initial offering of Initial Coin Offering coins. Legal aspects of cryptocurrency trading. Blockchain cryptography. Decentralized participants in blockchain technology. Blockchain transaction. Public and private blockchains. Distributed Ledger. Digital signatures. Application of smart contracts and blockchain technology.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

Course hours per week: 21 + 0s

Type of exam: written

ELECTRONIC MONEY AND CRYPTOCURRENCIES

ECTS credits: 3

Form of assessment: on-going control and exam

Semester: 4

Course hours per week: 31 + 0s

Type of exam: written

Methodological guidance:**Department: Finance and accounting****Faculty of Economics****Annotation:**

The aim of the course "Electronic money and cryptocurrencies" is for students to gain in-depth knowledge in the field of monetary theory, information and communication features of cryptocurrencies and electronic money, the ability of these new forms of money to perform basic monetary functions, the need and ability to regulate the cryptocurrency market and the future of electronic money and cryptocurrencies in the context of the development of money functions.

Course content:

History of money. Basic functions of money. Electronic money. Digital economy, fourth industrial revolution. Features of the modern digital economy. Large databases, machine learning, artificial intelligence. Introduction to cryptography and cryptocurrencies. Bitcoin and cryptocurrency technologies. Bitcoin technique. Accumulation and use of bitcoins. Digging for bitcoins. Consumers, policies and regulation. Digital currencies and the future of financial services. Risk and profitability in cryptocurrency markets. Central banks, innovation and digital currencies.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

VENTURE CAPITAL AND FINANCING OF INNOVATION**ECTS credits: 3****Course hours per week: 31 + 0s****Form of assessment: on-going control and exam****Type of exam: written****Semester: 4****Methodological guidance:****Department: Finance and accounting****Faculty of Economics****Annotation:**

The aim of the lecture course is to present in a balanced mix the main characteristics and determinants of risk financing, as an important tool for financing the innovation activity of SMEs, while focusing on specific EU instruments in this regard analyzed in the context of their investment opportunities and results. from their practical realization.

Course content:

Nature, opportunities and organization of venture capital financing. Investors, venture capital funds and portfolio companies - role and interaction in venture capital financing. Influence of venture capital on the real economy. Venture capital funds - nature, meaning and types. Structure and operations of venture capital funds. Evolutionary development of venture capital funds in Europe - dynamics and size of investments. Beneficiaries of venture capital financing in Europe - structure of risky investments and characteristics of venture capital financed companies. The European venture capital market in the context of the globally leading US and Israeli markets. Economic impact of venture capital - innovation, competitiveness and export opportunities. Determinants and conditions for the development of risk financing - capital markets, regulatory environment, risks and profitability. Problems with the supply and demand of venture capital. Regulatory and regulatory framework for venture capital financing in the EU - from Community level to national specifics in the member states. Opportunities for financing with venture capital by the public sector - importance and impact of EU operational programs and national risk financing. Venture capital financing instruments provided in the EU Programs - OP "Competitiveness" - JEREMIE initiative. Venture capital financing instruments provided for in the EU Programs - OP "Innovation and Competitiveness" - Priority Axis 2: Entrepreneurship and SME Growth Capacity - Venture Capital Fund. Instruments for financing venture capital provided for in the EU Programs - FP "Horizon 2020".

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

FINTECH REGULATION AND CONTROL

ECTS credits: 3

Form of assessment: on-going control and exam

Semester: 4

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The aim of the course "Regulation and Supervision in FinTech" is for students to gain in-depth knowledge in the field of supranational regulation and supervision of this new type of financial markets. This course will provide a brief description of existing technologies and business models used by established financial services firms and the regulatory framework that applies to them, before examining how new technologies and new business models are transforming financial services around the world. Different legal reform strategies adopted by regulators in different countries will be evaluated, as well as the business strategies of regulated companies to accelerate their pace of innovation.

Course content:

Regulation and supervision in the banking industry. National and international regulation and supervision. RegTech as an ecosystem. Key features: speed, speed, integration, analytics. RegTech Ecosystem: Financial Institutions. RegTech Ecosystem: Start-up. RegTech Ecosystem - regulatory institutions. Artificial intelligence, Smart-regulation and crime detection. Better regulation and new governance. Re-design of advanced financial infrastructure. Rise of intelligent machines. Evidence-based problem solving. "RegTech" is the new FinTech. Faster payments / immediate payments. Compliance and accountability. Bitcoin, blockchain, distribution protocol. Global harmonization of banking regulation. FinTech regulation in the EU. Role of regulators - regulation of cyber risks. Basic principles of FinTech regulation. FinTech regulation in the United States; United Kingdom, China; and India. Fintech and financial crime. Efficiency and effectiveness of regulatory compliance.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

DIGITAL PUBLIC ADMINISTRATION

ECTS credits: 2

Form of assessment: on-going control and exam

Semester: 4

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The course "Digital Public Administration" aims to provide students with comprehensive information about the nature of e-government, a unified model for requesting, payment and provision of e-administrative services and the functionalities of the portal for e-government services in the Republic of Bulgaria. Special attention will be paid to electronic public procurement.

Course content:

E-government concept. Digitization of administrative services and delivery models. Electronic document and electronic signature. Strategy for development of e-government in the Republic of Bulgaria. Unified model for ordering, paying and providing electronic administrative services. Good practices: Estonian model of e-government and e-government in Georgia. Electronic services provided by the revenue administration of the Republic of Bulgaria. Electronic services provided by the Commercial Register of the Republic of Bulgaria. Electronic services provided by municipal administrations. Electronic public procurement.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

CONSUMER PROTECTION OF DIGITAL FINANCIAL SERVICES

ECTS credits: 3

Form of assessment: on-going control and exam

Course hours per week: 21 + 0s

Type of exam: written

Semester: 4

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The course "Consumer protection of digital financial services" aims to acquaint students with the possibilities, rules, ways to provide protection when using "remote" financial services. Therefore, the lectures focus on the development trends of digital financial services and the risks they pose to consumers, regulations and rules to ensure consumer protection, which face these risks. The national and European regulations dealing with the protection of the consumer who uses electronic banking, payment services provided by non-bank financial institutions, as well as by institutions-operators of electronic money are considered. The possibilities for protection when using the services of an investment intermediary in trading with financial instruments on the stock exchange and over-the-counter market are considered. As a current trend, the possibilities for protection of the consumer of blockchain services, which are related to operations with digital currencies, are also considered.

Course content:

Risks when using digital financial services. Consumer protection: national and European legislation. Protection of personal data of individuals on the Internet. Protection of users of electronic certification services. Consumer protection of electronic banking services. Consumer protection of electronic payment services. Consumer protection of electronic money services. Consumer protection of blockchain services. Consumer protection of financial intermediary services. Consumer protection when using financial services whose provider is outside the European Union.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

INFORMATION SECURITY

ECTS credits: 2

Form of assessment: on-going control and exam

Semester: 4

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The aim of the course "Information Security" is for students to gain in-depth knowledge in the fields of information theory, information process management, building, managing and maintaining a sustainable system of financial information security. To this end, they are familiar with the procedures for analyzing the financial information system, identifying threats, vulnerabilities and risks to financial information and building an effective information security system.

Course content:

General concepts of the course. Concepts and terms. Current state of information security in the financial sphere. General legal and administrative framework for information security. Information. System-process approach to information security. Information security threats and vulnerabilities in the information security system. Risks to the security of financial information. Building a system for information security in the financial sphere. Management of the continuity of financial activity.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

FINANCIAL NETWORKS

ECTS credits: 2

Form of assessment: on-going control and exam

Semester: 4

Methodological guidance:

Department: Finance and accounting

Course hours per week: 2l + 0s

Type of exam: written

Faculty of Economics

Annotation:

The aim of the course "Financial Networks" is for students to gain in-depth knowledge in the field of network analysis, networking through graphs, web networks, financial contagions, system risk, databases and application of network models when working with arrays of information, as and assess the social consequences of network traffic.

Course content:

Financial security network. Graphs as basic network models. Game theory and Nash equilibrium. Network traffic modeling through Game Theory. Theoretical aspects in the development of information networks. Financial contagion and network models. Global Network for Financial Innovation. Database network model. Web network structure. Dependence between financial, social networks and risk. Factors influencing the formation of risk sharing networks. Link Analysis and web search. Electronic money and network effects. FIN-NET Financial Dispute Resolution Network. Network diffusion.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

FINANCIAL TECHNOLOGIES AND TAXATION IN THE ELECTRONIC ENVIRONMENT

ECTS credits: 2

Course hours per week: 21 + 0s

Form of assessment: on-going control and exam

Type of exam: written

Semester: 4

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The aim of the course "Financial technologies and taxation in an electronic environment" is for students to gain in-depth knowledge in the field of taxes, the organization of taxation and the opportunities provided for calculation and payment of debts to the state budget by digital means. ARC for individuals and Electronic signature-QES for legal entities.

Course content:

Consolidated state budget. Taxes. Direct property taxes. Direct income taxes. Indirect taxes. Excise duties. Customs and customs policy. Value added tax - VAT. Non-tax revenues in the state budget. Tax system - structure and types. Electronic portal of the National Revenue Agency. Payment of taxes with electronic signature - QES. Payment of taxes with personal identification code - ARC.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.

FINANCIAL TECHNOLOGIES AND FINANCIAL STABILITY

ECTS credits: 2

Course hours per week: 21 + 0s

Form of assessment: on-going control and exam

Type of exam: written

Semester: 4

Methodological guidance:

Department: Finance and accounting

Faculty of Economics

Annotation:

The aim of the course "Financial Technologies and Financial Stability" is for students to gain in-depth knowledge in the field of financial infrastructures, financial technologies and the legal framework, Internet finance, electronic payment systems, financial awareness, financial innovation and structural products.

Course content:

Legal framework. Electronic money. Payment systems. Payment supervision. Electronic payment systems. Supervision of payment system operators. Supervision of payment service providers and electronic money issuers. Cryptocurrency technologies. Internet finance. Financial innovation.

Training and assessment technology

The training in the discipline is carried out in the form of lectures. The course ends with an exam. Priority in the training is given to the practical and independent work of the students. The knowledge, skills and competence in the implementation of the current control are assessed, and the results achieved by the set tasks and tests are of great importance.