BELARUSIAN STATE UNIVERSITY

CURRICULUM

Speciality: 1-25 80 03 Finance, Taxation and Credits
Profiling: Financial Digital Technology

Degree: Master
Period of study: 1 year

Rector _____ Andrei D. Karol
_____ 2020
Registration number _____

I. Schedule of the educational process

II. Summary (in weeks)

Academic Studies	Exams	Internship	Research	Master's Thesis	Vacation	Total
27	5	4	4	1	2	43
27	5	4	4	1	2	43

Legend:
☐ – Academic Studies   🅇 – Internship   ∥ – Master's Thesis
∶ – Exams   ∕ – Research   = – Vacation

III. Curriculum

No	The name of the module, academic discipline, course project (course work)	Exams	End-of-term test	Total	Total in class	Lectures	Laboratory work	Workshops	Seminar classes	I sem (17 w) Total	I sem Total in class	I sem Credits	2 sem (10 w) Total	2 sem Total in class	2 sem Credits	Total Credits	Competence Code
1.	State Component			704	212	106	18		88	398	128	12	306	84	9	21	
1.1	Module "Theoretical Economics"																
1.1.1	Microeconomics Analysis and Policy		1	102	36	18			18	102	36	3				3	UK-4, DPC-1
1.1.2	Macroeconomics Analysis and Policy	2		108	48	24			24				108	48	3	3	UK-4, DPC-2
1.2	Module "Theory and Technology of Finance, Tax and Credit"																
1.2.1	Modern Concepts of Finance and Credit		1	100	42	18			24	100	42	3				3	DPC-3
1.2.2	Network Technologies in Finance and Banking		2	108	36	18	18						108	36	3	3	UK-4, DPC-4
1.3	Module "Management in Education"																
1.3.1	Innovation Processes in Financial Education	1		106	50	28			22	106	50	3				3	UK-3, 5, DPC-5
1.4	Module "Academic Research"																UK-1, 2
1.4.1	Research Seminar		1	90						90		3				3	
1.4.2	Coursework			90									90		3	3	
2.	Higher Education Institution Component			872	316	156			160	558	196	18	314	120	9	27	
2.1	Module "Mathematical Methods in Finance"																
2.1.1	Forecasting of National Economy	2		108	36	18			18				108	36	3	3	SC-1, 4
2.1.2	Financial Markets and Institutions		1	90	34	20			14	90	34	3				3	SC-2
2.1.3	Financial Econometrics	2		106	48	24			24				106	48	3	3	SC-3, 4, 5
2.2	Module "Digital Business"																
2.2.1	Venture Business		1	90	34	14			20	90	34	3				3	SC-6
2.2.2	Digital Economy	1		198	60	28			32	198	60	6				6	SC-7
2.2.3	Marketing Financial Services		1	90	34	14			20	90	34	3				3	SC-8
2.3	Optional module "Financial Reporting Standards and Technology"																
2.3.1	International Financial Reporting Standards		1	90	34	20			14	90	34	3				3	SC-9
2.3.2	Financial Technology		2	100	36	18			18				100	36	3	3	SC-10
2.4	Optional module "Financial Management"																
2.4.1	Project Management for Banks and Financial Institutions	1		90	34	20			14	90	34	3				3	SC-11
2.4.2	Financial Management		2	100	36	18			18				100	36	3	3	SC-12
3.	Optional Subjects			/108	/56	/20			/36	/108	/56	/3					
3.1	Creative Teaching Techniques in Higher School/ Pedagogics and psychology of Higher Education		/1	/108	/56	/30			/26	/108	/56	/3					UK-5
4.	Series of Disciplines for Candidate Exams and Additional Training			/568	/316	/96	/36	/140	/44	/358	/202	/6	/210	/114	/9	/15	
4.1	Philosophy and Methodology of Science[1]	/2		/240	/104	/60			/44	/140	/60		/100	/44	/6	/6	UK-6
4.2	Information Technologies: Basics[1]		/1	/108	/72	/36	/36						/108	/72	/3	/3	UK-8
4.3	Foreign language[1]	/2	/1	/220	/140				/140	/110	/70	/3	/110	/70	/3	/6	UK-7
	Number of Hours			1576	528	262	18	160	88	956	324	30	620	204	18		
	Number of Hours per Week											19			20		
	Number of Courseworks	1											1				
	Number of Exams	5										3			2		
	Number of End-of-term tests	9										6			3		

IV. Internship

Internship Title	Semester	Weeks	Credits
Financial	2	4	6

V. Research

Semester	Weeks	Credits
2	4	6

VI. Final Certification

Master's Thesis

VI. Competence Matrix

Competence Code	Competence Name	Module Code, Discipline Code
UK-1	To be able to apply scientific cognition methods (analysis, comparison, systematization, abstraction, modelling, data authenticity checking, decision-making etc.) in independent research activity, to generate and implement innovative ideas	1.4
UK-2	To study independently new methods of economic design, research, production organization	1.4
UK-3	To be a team leader able to evaluate communicative channels and build interpersonal communications	1.3.1
UK-4	To use fundamental economic knowledge in professional activity	1.1.1, 1.1.2, 1.2.2
UK-5	To be able to carry out pedagogical activity in educational institutions, to master and implement effective educational and information and communication technologies, pedagogical innovations	1.3.1, 3.1
UK-6	To have a command of scientific cognition methodology, to be able to analyse and evaluate the content and level of philosophic and methodological issues in process of solving tasks of scientific research and innovative activity	4.1
UK-7	To use a foreign language for communication in interdisciplinary and scientific environment, in various formats of international cooperation, scientific research and innovative activity	4.3
UK-8	To have skills of contemporary information technologies for solving scientific research and innovative tasks	4.2
DPC-1	To be able to analyze economic entities behavior in different types of market structures, to be able to research and develop the market strategy of the organization, to evaluate the consequences of the state microeconomic policy	1.1.1
DPC-2	To be able to analyze the features of macroeconomic policy under different initial conditions of the economy, to be able to develop measures of macroeconomic policy	1.1.2
DPC-3	To know the basic concepts of the development of finance and credit, understand the principles of interaction between various sectors of the financial market, its institutions and the economy, analyze the development of financial institutions and the market	1.2.1
DPC-4	To know the essence of cloud technology, distributed registry technology, features of blockchain technology, work with Internet services that are remote, with local network resources and a distributed database	1.2.2
DPC-5	To know the essence of innovative changes and technology of pedagogical innovations, to be able to develop passports and projects of pedagogical innovations, to own methods of their implementation, to evaluate the effectiveness of innovative activities	1.3.1
SC-1	To be able to identify the main patterns and trends of the national economy, apply forecasting methods, use computer software to build models for forecasting the development of the national economy	2.1.1
SC-2	To be able to analyze some aspects of the pricing of financial instruments on national and international financial markets	2.1.2
SC-3	To be able to employ mathematical methods related to financial concepts in a variety of financial applications	2.1.3
SC-4	To be able to understand the relationships between the theoretical concepts taught in finance class and their application in empirical studies	2.1.1, 2.1.3
SC-5	To be able to conduct, interpret and critically deal with empirical studies in finance and related fields	2.1.3
SC-6	To be able to organize the process of entrepreneurial activity when introducing the results of scientific research, engineering, innovations	2.2.1
SC-7	To be able to find and evaluate new market opportunities, form and evaluate business ideas, create a new business in digital sphere	2.2.2
SC-8	To put into practice the basic methods and tools of marketing analysis in the digital financial environment	2.2.3
SC-9	To use modern methods of planning and optimization of tax payments, evaluation methods of tax risks, analyze the tax situation, evaluate the level of tax burden and the effectiveness of tax solutions	2.3.1
SC-10	To understand the major technologies involved in FinTech and the major players in the market, including startups, TechFins, traditional financial institutions and regulators	2.3.2
SC-11	To be able to use project management methods in research and to manage important and large-scale tasks that have a specific goal, deadlines and limited resources	2.4.1
SC-12	To be able to develop the organization's strategy, implement projects and activities aimed at its implementation	2.4.2

Developed on the basis of the standard curriculum for the specialty 1-25 80 03 "Finance, Taxation and Credits", approved on № Е 25-2-003/пр-тип. от 21.03.2019

1 Series of Disciplines for Candidate Exams and Additional Training «Philosophy and Methodology of Science», «Foreign Language», «Information Technologies: Basics» are studied according to the choice of a student.

Vice-Rector
for Academic Affairs and Education Innovations
_____ Oksana N. Zdrok
01. 04.   2020

Dean of the Faculty of Economics
_____ Anna A. Koroleva
01 04   2020

Academic Affairs Department,
Head
_____ Alena A. Dastanka
01. 04.   2020

Expert Normcontroller
_____ Anzhelika V. Kostenevich
01. 04.   2020