



BELARUSIAN STATE UNIVERSITY

CURRICULUM

Speciality: 1-25 80 03 Finance, Taxation and Credits  
Profiling: Finance in Digital Economy

Degree: Master  
Period of study: 1 year

Rektor  
Andrei D. Karol  
2021

Registration number: *ЕА 5а-147/yr*

I. Schedule of the educational process

II. Summary (in weeks)

YEARS	September		October		November		December		January		February		March		April		May		June		July		August		Academic Studies	Exams	Internship	Research	Master's Thesis	Vacation	Total																				
	1	8	15	22	6	13	20	3	10	17	24	1	8	15	22	5	12	19	2	9	16	23	30	6								13	20	27	04	4	11	18	25	1	8	15	22	29	06	6	13	20	27	07	3
I	7	14	21	28	05	12	19	26	02	09	16	23	30	06	13	20	27	04	4	11	18	25	1	8	15	22	29	06	6	13	20	27	07	3	10	17	24	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	Academic hours					Semesters						Total Credits	Competence Code
				Total	Total in class	As follows:			1 year			Total	Total in class	Credits		
						Lectures	Laboratory work	Workshops	Seminar classes	Total	Total in class					
<b>1.</b>	<b>State Component</b>			<b>704</b>	<b>212</b>	<b>106</b>	<b>18</b>	<b>88</b>	<b>398</b>	<b>128</b>	<b>12</b>	<b>306</b>	<b>84</b>	<b>9</b>	<b>21</b>	
<b>1.1</b>	<b>Module "Theoretical Economics"</b>															
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
<b>1.2</b>	<b>Module "Theory and Technology of Finance, Tax and Credit"</b>															
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
<b>1.3</b>	<b>Module "Management in Education"</b>															
1.3.1.	Innovation Processes in Financial Education		1	106	50	28		22	106	50	3				3	UK-3, 5, DPC-5
<b>1.4</b>	<b>Module "Academic Research"</b>															
1.4.1.	Research Seminar		1	90					90		3				3	
1.4.2.	Coursework			90								90		3	3	
<b>2.</b>	<b>Higher Education Institution Component</b>			<b>828</b>	<b>320</b>	<b>152</b>	<b>168</b>		<b>558</b>	<b>204</b>	<b>18</b>	<b>270</b>	<b>116</b>	<b>9</b>	<b>27</b>	
<b>2.1</b>	<b>Module "Financial Analytics and Management"</b>															
2.1.1.	Forecasting of National Economy		2	90	36	18	18					90	36	3	3	SC-1
2.1.2.	Financial Analytics		1	90	34	14	20		90	34	3				3	SC-2
2.1.3.	Financial Management		2	90	44	24	20					90	44	3	3	SC-3,4
<b>2.2</b>	<b>Module "Digital Business"</b>															
2.2.1.	Venture Business		1	90	34	14	20		90	34	3				3	SC-5
2.2.2.	Digital Economy		1	198	68	34	34		198	68	6				6	SC-6
2.2.3.	Marketing Financial Services		1	90	34	14	20		90	34	3				3	SC-7
<b>2.3</b>	<b>Optional module "Mobile Applications in Finance"</b>															
2.3.1.	Development of Financial Applications for Android		1	90	34	14	20		90	34	3				3	SC-8, 9
2.3.2.	Internet of Things		2	90	36	20	16					90	36	3	3	SC-10
<b>2.4</b>	<b>Optional module "Digital Security"</b>															
2.4.1.	Digital Security		1	90	34	14	20		90	34	3				3	SC-11
2.4.2.	Distributed data processing and storage technologies		2	90	36	20	16					90	36	3	3	SC-12
<b>3.</b>	<b>Optional Subjects</b>			<b>/108</b>	<b>/56</b>	<b>/20</b>	<b>/36</b>		<b>/108</b>	<b>/56</b>	<b>/3</b>					
3.1.	Creative Teaching Techniques in Higher School/ Pedagogics and psychology of Higher Education		/1	/108	/56	/30	/26		/108	/56	/3					UK-5
<b>4.</b>	<b>Series of Disciplines for Candidate Exams and Additional Training</b>			<b>/568</b>	<b>/316</b>	<b>/96</b>	<b>/36</b>	<b>/140</b>	<b>/44</b>	<b>/358</b>	<b>/202</b>	<b>/6</b>	<b>/210</b>	<b>/114</b>	<b>/9</b>	<b>/15</b>
4.1.	Philosophy and Methodology of Science <sup>1</sup>		/2	/240	/104	/60	/44		/140	/60		/100	/44	/6	/6	UK-6
4.2.	Information Technologies: Basics <sup>1</sup>		/1	/108	/72	/36	/36		/108	/72	/3				/3	UK-8
4.3.	Foreign language <sup>1</sup>		/2	/220	/140		/140		/110	/70	/3	/110	/70	/3	/6	UK-7
Number of Hours				<b>1532</b>	<b>532</b>	<b>258</b>	<b>18</b>	<b>168</b>	<b>88</b>	<b>956</b>	<b>332</b>	<b>30</b>	<b>576</b>	<b>200</b>	<b>18</b>	
Number of Hours per Week												20	20			
Number of Courseworks													1			
Number of Exams													3	2		
Number of End-of-term tests													6	3		

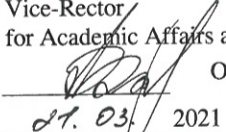
IV. Internship				V. Research			VI. Final Certification	
Internship Title	Semester	Weeks	Credits	Semester	Weeks	Credits	Master's Thesis	
Financial	2	4	6	2	4	6		

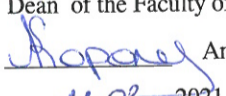
## VI. Competence Matrix

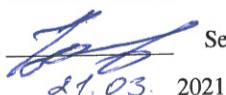
Competence Code	Competence Name	Module Code, Discipline Code
UK-1	To be able to apply scientific cognition methods (analysis, comparison, systematization, abstraction, modelling, data authenticity checking, decision-making etc.) in independent research activity, to generate and implement innovative ideas	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 employ mathematical methods related to financial concepts in a variety of financial applications	2.1.2
SC-3	To be able to analyze financial data, build financial models and calculate market value of companies	2.1.3
SC-4	To be able to develop the organization's strategy, implement projects and activities aimed at its implementation	2.1.3
SC-5	To be able to organize the process of entrepreneurial activity when introducing the results of scientific research, engineering, innovations	2.2.1
SC-6	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-7	To put into practice the basic methods and tools of marketing analysis in the digital financial environment	2.2.3
SC-8	To know the basic approaches to design and implementation of financial software for mobile devices	2.3.1
SC-9	To be able to use mobile and server databases in financial application, to work with remote financial services and to use modern data processing technologies	2.3.1
SC-10	To know the current state and future development of "Internet of Things", to be able to use IoT devices in financial systems, to be able to use cloud services for data processing	2.3.2
SC-11	To be able to identify risks and threats of digitalization, data storage and distribution of information, to work with, control and maintain the information and data management	2.4.1
SC-12	To be able to analyze and create the necessary data warehouse architecture for analyzing large amounts of data in order to obtain aggregated information	2.4.2

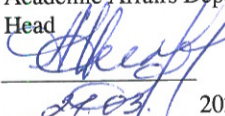
Developed on the basis of the standard curriculum for the specialty 1-25 80 03 "Finance, Taxation and Credits", approved on № Е 25-2-003/пр-тип., 21.03.2019

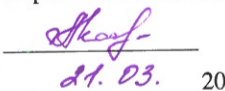
1 Series of Disciplines for Candidate Exams and Additional Training «Philosophy and Methodology of Sciences», «Foreign Language», «Information Technologies: Basics» are studied according to the choice of a student.

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