Federal State Autonomous Educational Institution for Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
(RUDN University)
Faculty of Economics

COURSE SYLLABUS

World Experience in the Implementation of Information Management Systems

(name of discipline/module)

Recommended by the Didactic Council for the Education Field of

38.04.01 Economics

(code and name of the direction of training/specialty)

The development of the discipline is carried out within the framework of the implementation of the main professional educational program of higher education:

International trade

(name (profile/specialization))

2024

1. COURSE GOALS

The purpose of studying the discipline "World Experience in the Implementation of Information Management Systems" is to show the role and importance of international experience in the implementation of information systems in the management of companies in modern conditions and to give the knowledge necessary in the practice of enterprises of various forms of ownership.

2. LEARNING OUTCOMES

Studying the discipline "World Experience in the Implementation Of Management Information Systems" is aimed at the formation of the following competencies (part of the competencies) among students:

Table 2.1. List of competencies formed in students when studying the discipline (results of mastering the discipline)

Competence code	Competence	Competence indicators
GC-4	Able to apply modern communication technologies in the state language of the Russian Federation and foreign language(s) for academic and professional interaction	GC-4.1. Chooses the style of business communication, depending on the language of communication, the purpose and conditions of the partnership
		GC-4.2. Adapts speech, communication style and sign language to situations of interaction
		GC-4.3. Searches for the necessary information to solve standard communicative tasks in Russian and foreign languages
		GC-4.4. Conducts business correspondence in Russian and foreign languages, taking into account the peculiarities of the style of official and unofficial letters and socio-cultural differences in the format of correspondence
		GC-4.5. Uses dialogue for cooperation in academic communication of communication, taking into account the personality of the interlocutors, their communicative and speech strategy and tactics, the degree of formality of the situation
		GC-4.6. Forms and argues its own assessment of the main ideas of the participants in the dialogue (discussion) in accordance with the needs of joint activities
GC-7	Capable of using digital technologies and methods of searching, processing, analyzing, storing and presenting information (in the professional field) in the digital economy and modern corporate information culture	GC-7.1. Searches for the necessary sources of information and data, perceives, analyzes, remembers and transmits information using digital means, as well as with the help of algorithms when working with data received from various sources in order to effectively use the information received to solve problems
		GC-7.2. Evaluates information, its reliability, builds logical conclusions on the basis of incoming information and data

Competence code	Competence	Competence indicators
SPC-5	Able to use modern information technologies and software tools in solving professional problems	SPC-5.1 Knows modern information technologies and software tools used in solving professional problems
		SPC-5.2 Is able to choose the most effective ones among modern information technologies and software tools for solving professional problems
		SPC-5.3 Has full skills in solving standard tasks of professional activity using information technologies and software tools
PC-1	Able to conduct independent research in accordance with the developed program and on their basis to prepare analytical materials for the evaluation of activities in the field of economic policy and strategic decision-making at the micro and macro levels	PC-1.1. Able to present the results of an independent study in the form of an article or a report at scientific conferences
		PC-1.2. Capable of Conducting Analytical Studies to Evaluate Economic Policy Interventions
		PC-1.3. Able to make a forecast of the main socio-economic indicators of the enterprise, industry, region and economy as a whole
		PC-1.4. Able to make strategic decisions at the micro and macro levels on the basis of independent research
PC-2	Able to present the results of an independent study in the form of an article or a report at scientific conferences	PC-2.1. Able to conduct analytical studies to assess economic policy measures
		PC-2.2. Able to make a forecast of the main socio-economic indicators of the enterprise, industry, region and economy as a whole
		PC-2.3. Able to make strategic decisions at the micro and macro levels on the basis of independent research

3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The discipline "World Experience in the Implementation of Management Information Systems" refers to the variable part of the block B1 of the EP.

Within the framework of the EP, students also master other disciplines and / or practices that contribute to the achievement of the planned results of mastering the discipline "World Experience in the Implementation of Management Information Systems".

Table 3.1. List of Higher Education Program (me) components / disciplines that contribute to expected learning/training outcomes

Code	Competence	Previous disciplines/modules, practices*	Subsequent disciplines/modules, practices*
GC-4	Able to apply modern communication technologies in the state language of the Russian Federation and foreign	Legal regulation of economic and foreign economic activity International Finance	International Labour Market and Migration Theory and Practice of International Business Communication International monetary and credit relations

Code	Competence	Previous disciplines/modules, practices*	Subsequent disciplines/modules, practices*
	language(s) for academic and professional interaction		International trade Customs and tariff regulation Conjuncture of world markets for goods and services International statistical databases (advanced level) The EU in international trade World experience in the implementation of management information systems International Transport Logistics Currency regulation and currency control in foreign economic activity Transnational business International activities of commercial banks
GC-7	Capable of using digital technologies and methods of searching, processing, analyzing, storing and presenting information (in the professional field) in the digital economy and modern corporate information culture	Legal regulation of economic and foreign economic activity International Finance	International monetary and credit relations International trade Customs and tariff regulation Conjuncture of world markets for goods and services Organization of international procurement International statistical databases (advanced level) The EU in international trade World experience in the implementation of management information systems International Corporate Marketing Strategies International Transport Logistics Project management Currency regulation and currency control in foreign economic activity Transnational business International activities of commercial banks
SPC-5	Able to use modern information technologies and software tools in solving professional problems	Econometrics (advanced course); Professional foreign language; International finance; International Economics; International Labor Market and Migration;	International monetary and credit relations; International trade; Conjuncture of world markets for goods and services;
PC-1	Able to conduct independent research in accordance with the developed program and on their basis to prepare analytical materials for the evaluation of activities in the field of	Legal regulation of economic and foreign economic activity International Finance	International Labour Market and Migration Theory and Practice of International Business Communication International monetary and credit relations International trade Customs and tariff regulation

Code	Competence	Previous disciplines/modules, practices*	Subsequent disciplines/modules, practices*
	economic policy and strategic decision-making at the micro and macro levels		Conjuncture of world markets for goods and services International Corporate Marketing Strategies Currency regulation and currency control in foreign economic activity Transnational business International activities of commercial banks International Commerce: Efficiency of Trade Transactions
PC-2	Able to present the results of an independent study in the form of an article or a report at scientific conferences	Legal regulation of economic and foreign economic activity International Finance	International Labour Market and Migration Theory and Practice of International Business Communication International monetary and credit relations Customs and tariff regulation Conjuncture of world markets for goods and services Organization of international procurement International statistical databases (advanced level) World experience in the implementation of management information systems International Corporate Marketing Strategies International Transport Logistics Project management Currency regulation and currency control in foreign economic activity Transnational business International activities of commercial banks International Commerce: Efficiency of Trade Transactions

* - is filled in accordance with the competence matrix and the EP

4. COURSE WORKLOAD AND LEARNING ACTIVITIES

The total labor intensity of the discipline "World Experience in the Implementation of Management Information Systems" is 2 credit units.

Table 4.1. Types of academic activities during the period of the HE program(me) mastering

Type of educational work	TOTAL, academic hours	Semester(s)			
		1	2	3	4
Contact academic hours	*18*		*18*		
including:					

Type of educational work	TOTAL, academic hours	Semester(s)			
		1	2	3	4
Lectures (**LC**)	-		-		
Laboratory works (**LW**)	-		-		
Practical/Seminar Classes (SC)	18		18		
Self-study (ies), academic hours	*45*		*45*		
Evaluation and assessment academic hours	*9*		*9*		
Overall labor intensity of the discipline	*academic hours*	**72**			
	credits.	**2**			

5. COURSE MODULES AND CONTENTS

Table 5.1. The content of the discipline (module) by types of educational work

Course Modules and Contents	Modules and Topics (Units/Themes)	Type of educational work*
Section 1. Corporate Information Systems as a necessary tool for effective enterprise management	Topic 1.1. Corporate information systems, definition, purpose and functionality.	LC, SC
	Topic 1.2. Historical view on approaches to the formation of strategy in KIS. Comparative analysis of different approaches.	LC, SC
Section 2. History of ERP-Systems: "Production Planning from Gantt to ERP"	Topic 2.1. Development of methods of management of the production enterprise.	LC, SC
	Topic 2.2. Inventory Control systems.	LC, SC
	Topic 2. 3. ERP II, new approaches to the formation of a unified information environment of the enterprise.	LC, SC
Section 3. ERP Systems: Classification of Systems	Topic 3.1. History of development and application of ERP systems in Russia.	LC, SC
	Topic 3.2. Principles and approaches to the classification of ERP systems.	LC, SC
	Topic 3.3. Classification of ERP systems from Deloitte and Touche.	LC, SC
	Topic 3.4. Levels of organizational maturity of the enterprise and approaches to the classification of ERP systems.	LC, SC
	Topic 3.5. Consolidated analysis of existing solutions on the market.	LC, SC
Section 4. ERP Systems: Features and Criteria for Choosing a System	Topic 4.1. Features of existing ERP systems.	LC, SC
	Topic 4.2. Basic technological requirements.	LC, SC
	Topic 4.3. Areas of application of various systems.	LC, SC
Section 5. Ideology of implementation of ERP systems in the enterprise	Topic 5.1. Define project objectives.	LC, SC
	Topic 5.2. Define the organizational, geographic, and functional scope of the project.	LC, SC
	Topic 5.3. Implementation project management.	LC, SC

Course Modules and Contents	Modules and Topics (Units/Themes)	Type of educational work*
Section 6. Business processes: Setting up business processes as an integral part of the process of implementing ERP in the enterprise	Topic 6.1. Business processes, definitions, examples.	LC, SC
	Topic 6.2. Documentation, analysis and optimization of business processes as a necessary part of the implementation of ERP systems.	LC, SC
	Topic 6.3. Approaches to optimization of business processes.	LC, SC
	Topic 6.4. Analysis of available software tools for documentation and optimization of business processes.	LC, SC
Section 7. Landscape of IT infrastructure of telecom operators	Topic 7. 1. The role of IT systems in telecom operators. e-TOM.	LC, SC
	Topic 7.2. Analysis of the IT landscape on the example of a telecom operator. Status and analysis of solutions for Telecom.elasticity of import demand. Marshall-Lerner condition on the stability of currency markets. Jay-curve effect.	LC, SC

1.* - is filled only in **full-time** forms of training: *LC - lectures; LW - laboratory work; SC - seminar classes.*

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Logistics of discipline

№	Name of discipline (module), practices in accordance with the curriculum	Name of special * placements and placements for independent work	Equipment of special placements and placements for independent work	List of licensed software. Details of the confirming document
1.	World Experience in the Implementation of Information Management Systems	Moscow, Miklouho-Maclay, 6, Classroom for lectures and seminars, current control and interim assessment of students Classroom 105 Classroom for group and individual consultations-the location of the Department of International Economic Relations Classroom 114	Multimedia projector Casio XJ-M250 – 1 PC screen 1 PC. ASUS F6A notebook C2D-T5450 13" 2048MB/250Gb/Vista Home Basic+box, Office Prof Plus 2007 Rus Sch. K3447-1/IV dated 17.12.08	1. MS Windows 10 64 bit, license 86626883 2. Microsoft Windows 8.1 license 8512275 3. Microsoft Office 2016 license 86626883 4. Microsoft Excel 2010 license 5190227 5. Mentor 6. Garant System 7. Consultant plus

7. RECOMMENDED SOURCES FOR COURSE STUDIES

Main reading(sources)

1. Zaramenskikh E.P. Management of the life cycle of information systems: E.P. Novosibirsk: Publishing House CRNS, 2014 – 270 p. https://docviewer.yandex.ru/view/15189381/

2. Pinchuk V.N. Mechanisms of cross-border network-centric management of Russian companies in the world economy // Vestnik Rossiiskogo universiteta druzhby narodiv. Series: Economics. – 2011. – № 4. – S. 13-22. (0.6 pp.). http://journals.rudn.ru/economics

Additional (optional) reading (sources)

1. Pinchuk V.N. Integration of Russian companies into the world economy: convergent approach // Vestnik Rossiiskogo universiteta druzhby narodiv. Series: Economics. – 2011. – № 3. – S. 5-13. (0.4 pp.). https://elibrary.ru/item.asp?id=16909651

Resources of the information and telecommunication network "Internet":

1. RUDN University EBS and third-party EBS, to which university students have access on the basis of concluded contracts:
- ELECTRONIC LIBRARY SYSTEM RUDN University – EBS RUDN University http://lib.rudn.ru/MegaPro/Web
- EBS University Library Online http://www.biblioclub.ru
- EBS Jurait http://www.biblio-online.ru
- EBS Student Consultant www.studentlibrary.ru
- EBS "Lan" http://e.lanbook.com/
- EBS Troitsky Bridge

2. Databases and search engines:
- electronic fund of legal and normative-technical documentation of the http://docs.cntd.ru/
- Yandex search engine https:// www.yandex.ru/
- Google https://www.google.ru/ search engine
- Abstract database SCOPUS http:// www.elsevierscience.ru/products/scopus/

Educational and methodical materials for independent work of students when mastering the discipline / module*:

1. A course of lectures on the discipline "World experience in the implementation of management information systems".

2. Materials for seminars on the discipline "World experience in the implementation of management information systems".

All materials are located on the TUIS portal: https://esystem.rudn.ru/course/view.php?id=13299

* - all educational and methodological materials for independent work of students are placed in accordance with the current procedure on the page of **the discipline in TUIS**!
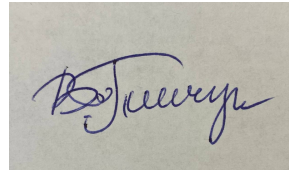
8. EVALUATION TOOLKIT & GRADING SYSTEM FOR ASSESSING THE LEVEL OF FORMATION OF COMPETENCIES IN THE COURSE

Evaluation materials and a grading system* for assessing the level of formation of competencies (part of competencies) based on the results of mastering the discipline "World Experience in the Implementation of Management Information Systems" are presented in the Appendix to this Course Syllabus of the discipline.

* - EP is formed on the basis of the requirements of the relevant local regulatory act of RUDN University.

AGREED:

Developer:
Doctor of Economics, Professor of International economic relations

V.N. Pinchuk

Head of the Higher Education Program(me)
Doctor of Economics, Professor of International economic relations

I.V.Andronova

Matching scores and grades

BRS Scores	Traditional assessments of the Russian Federation	ECTS Ratings
95 – 100	Excellent – 5	A (5+)
86 – 94		B (5)
69 – 85	Good – 4	C (4)
61 – 68	Satisfactory – 3	D (3+)
51 – 60		E (3)
31 – 50	Unsatisfactory – 2	FX (2+)
0 – 30		F (2)