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| ФИО: Ястребов Олег Адександрович<br>Education PEOPL                | ES' FRIENDSHIP UNIVERSITY OF RUSSIA         |
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| Уникальный программный ключ:                                       | (RUDN University)                           |
| ca953a0120d891083f939673078ef1a989dae18a                           | Faculty of economics                        |

# **COURSE SYLLABUS**

# International payment systems and instruments

**Recommended by the Didactic Council for the Education Field of** 

38.03.01 Economics

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

# The course instruction is implemented within the professional education programme of higher education

International Economic Relations

(name (profile/specialization))

2025

### 1. COURSE GOALS

**The goal** of mastering the **discipline** "**International Payment Systems and Instruments**" is to form students' knowledge in the field of payment systems and retail payment instruments, as well as to teach how to apply the knowledge gained in practice. The course explains the importance of the functioning of payment systems for the national economy, studies the payment systems of the USA, EU, Russian Federation; international markets for retail payment instruments: instant transfers, payment cards, traveler's checks and electronic money.

#### 2. LEARNING OUTCOMES

Studying the discipline "International Payment Systems and Instruments" aims to form the following competencies among students:

| Competen<br>ce<br>code | Competence                                                                                                                       | Competence indicators                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GPC-3 /<br>ОПК-3       | Able to analyze and<br>meaningfully explain the<br>nature of economic processes<br>at the micro and macro levels                 | GPC-3 / ОПК-3.1 Know how to apply theoretical<br>and methodological knowledge about the principles,<br>laws and mechanisms of a market economy at the level<br>of economic entities<br>GPC-3 / ОПК-3.2 Know how to apply the<br>principles and methods of economic analysis in<br>substantiating the mechanisms and patterns of<br>functioning of the economy at the micro and macro<br>levels<br>GPC-3 / ОПК-3.3 Able to analyze and explain the<br>driving forces and essence of the nature of economic |
| РС-1 /<br>ПКО-1        | Able to collect and analyze<br>the initial data necessary for<br>the calculation of economic<br>and socio-economic<br>indicators | processes and events occurring in the economyPC-1 / ΠKO-1.1Know how to work with sourcesof international statistical information, analyze thedynamics of the main characteristics of internationaleconomic relationsPC-1 / ΠKO-1.2Know the legal foundations ofinternational economic relations, understand and beable to analyze their impact on the foreign economicpolicy of the Russian Federation                                                                                                    |
|                        |                                                                                                                                  | PC-1 / ΠKO-1.3 Able to possess the basic skills<br>and basic skills of applied analysis of the international<br>situation                                                                                                                                                                                                                                                                                                                                                                                 |

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

### 3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The discipline "Basics of International Trade" refers to the part formed by participants in educational relations in Block B1 of the EP. Within the framework of the EP, students also master other disciplines and/or practices that contribute to achieving the intended results of mastering the "Basics of international trade".

| Table 3.1         | . List ( | of Higher   | Education   | Programme | components | / disciplines | that |
|-------------------|----------|-------------|-------------|-----------|------------|---------------|------|
| contribute to exp | ected le | arning/trai | ning outcom | nes       |            |               |      |

| Code             | Competence                                                                                                          | Previous<br>disciplines/modules,<br>practices*                                                                                                                                                                                    | Subsequent<br>disciplines/modules,<br>practices*                                             |
|------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| GPC-3 /<br>ОПК-3 | Able to analyze and<br>meaningfully explain<br>the nature of economic<br>processes at the micro<br>and macro levels | Microeconomics<br>Macroeconomics<br>World Economy<br>Variable component<br>Economical geography<br>Economics of interstate<br>territorial disputes<br>International financial<br>markets<br>International economic<br>integration | Foreign trade insurance<br>Final state examination<br>procedures<br>Degree thesis procedures |
|                  |                                                                                                                     | Global financial centers<br>China in the global<br>economy                                                                                                                                                                        |                                                                                              |

| РС-1 /<br>ПКО-1 | Able to collect and analyze the initial data |                                                        | Foreign trade insurance             |
|-----------------|----------------------------------------------|--------------------------------------------------------|-------------------------------------|
|                 | necessary for the calculation of economic    | Foreign Economic                                       | Project-technological<br>internship |
|                 | and socio-economic indicators                | Activity                                               | Undergraduate practice              |
|                 |                                              | International settlements<br>and currency transactions | Final state examination procedures  |
|                 |                                              |                                                        | Degree thesis procedures            |
|                 |                                              |                                                        |                                     |
|                 |                                              |                                                        |                                     |

#### 4. COURSE WORKLOAD AND LEARNING ACTIVITIES

TABLE 4.1. Types of academic activities during the period of the HE programme mastering

| Type of educational work                 |                   | TOTAL,            | Semester |   | ester |    |
|------------------------------------------|-------------------|-------------------|----------|---|-------|----|
|                                          |                   | academic<br>hours | 4        | 2 | 3     | 7  |
| Contact academic hours                   |                   | 28                |          |   |       | 28 |
| Including:                               |                   |                   | •        | • | •     |    |
| Lectures                                 |                   |                   |          |   |       |    |
| Lab work                                 |                   |                   |          |   |       |    |
| Seminars (workshops/tutorials)           |                   | 28                |          |   |       | 28 |
| Self-study (ies), academic hours         |                   | 35                |          |   |       | 35 |
| Evaluation and assessment academic hours |                   | 9                 |          |   |       | 9  |
| Overall laboriousness of the discipline  | academic<br>hours | 72                |          |   |       | 72 |
|                                          | credits           | 2                 |          |   |       | 2  |

#### 5. COURSE MODULES AND CONTENTS

| Course Modules and                                                                | Modules and Topics (Units/Themes)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Contents                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Section 1. Theoretical<br>foundations of the<br>functioning of payment<br>systems | Topic 1. The essence and nature of payment relations.<br>Payment and payment system. National payment system, its<br>features and functions. Structural elements of the payment<br>system: Institutions, Infrastructure, Subjects and Objects<br>Classification of payment systems. Wholesale and retail<br>payment systems. Gross and clearing payment systems.                                                                                                                                                                                                                                                                                                                    |  |
| Section 2. Objects of<br>payment systems:<br>payment services and<br>instruments  | Topic 2. Forms of cash: Cash and non-cash payments.<br>Settlement operations of banks and interbank correspondent<br>relations. The role of banks in the organization of payments.<br>Clearing. Interbank clearing and currency clearing. The role of<br>Central Bank money in payment systems.<br>Credit and debit payment instruments: letter of credit,<br>collection, payment orders, checks, bank cards.                                                                                                                                                                                                                                                                       |  |
| Section 3. Design of<br>payment systems                                           | <ul> <li>Topic 3. The principles and characteristics of payment systems<br/>The legal differences between payment service providers and<br/>payment systems</li> <li>The entities involved in a payment system and the mechanisms<br/>of their interaction:</li> <li>Principles of organization and operation</li> <li>Rules and contractual arrangements between parties</li> <li>Procedure for providing payment services</li> <li>Tariff structures</li> <li>Key differences between wholesale and retail payment systems</li> <li>Specific features of large-value payment systems in selected<br/>countries:</li> <li>United States</li> <li>European Banking Union</li> </ul> |  |
| Section 4. Safety<br>Fundamentals and<br>International<br>REGULATION              | Topic 4. Risks of PS functioning: credit, operational,<br>commercial. Fraud. Data Confidentiality. International<br>regulation. Role of the Bank for International<br>Settlements. Committee on Payment and Settlement<br>Systems. International Standards<br>Financial Stability Board<br>Chiang Mai Initiative                                                                                                                                                                                                                                                                                                                                                                    |  |
| Section 5. International<br>Payment Business                                      | Topic 5. International payment card systems. International money transfers, system SWIFT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| Section 6. Modern<br>payment technologies                                         | Topic 6. Modern trends in the development of financial technologies in the payment sector: biometrics, QR codes, tokens, IVR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
|                                                                                   | Topic 7. Blockchain, cryptocurrencies, electronic money                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Section 7. Global<br>Financial Centers                                            | Topic 8. Global financial centers, financial services, international exchanges.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Section 8. Russia in the                                                          | Topic 9. Russia in the system of international settlements,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| system of international payments                                                  | Russian payment systems and instruments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |

# **1.** CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

| Audience type                       | Equipping the classroom                                                                                                                                                                                                                                              | Specialized<br>educational/laboratory<br>equipment, software and<br>materials for mastering<br>the discipline<br>(if necessary)                                                                                                          |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lecture hall                        | Auditorium 101 for conducting lecture-type classes, equipped with a set of specialized furniture; a blackboard (screen) and technical means of multimedia presentations.                                                                                             | Asus F6A laptop, Casio<br>XJ-S 400 UN Multimedia<br>Projector, Casio XJ-V<br>100W Multimedia<br>Projector, GEHA 244*244<br>Projection Screen, Draper<br>203*1 Wired Screen,<br>Defender Mercury 35 Mkll<br>Speaker System, Philips<br>TV |
| Seminary                            | Auditorium 103 for seminar-type classes,<br>group and individual consultations,<br>continuous monitoring and interim<br>certification, equipped with a set of<br>specialized furniture and multimedia<br>presentation equipment.                                     | Lenovo AIO-510-22ISH<br>Intel I5 2200 MHz/8<br>GB/1000 GB/DVD/audio<br>Monoblock, 21" monitor,<br>Casio XJ-V 100W<br>Multimedia Projector,<br>Motorized Digis Electra<br>200*150 Dsem-4303<br>screen                                     |
| Computer class                      | Computer class 19 for conducting classes,<br>group and individual consultations, ongoing<br>monitoring and interim certification,<br>equipped with personal computers (in the<br>amount of 21 pcs.), a blackboard (screen)<br>and multimedia presentation equipment. | Lenovo AIO-510-22ISH<br>Intel I5 2200 MHz/8<br>GB/1000 GB/DVD/audio<br>Monoblock, 21" monitor,<br>Casio XJ-V 100W<br>Multimedia Projector,<br>Motorized Digis Electra<br>200*150 Dsem-4303<br>screen                                     |
| For independent<br>work of students | Auditorium 29 for independent work of students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to EIOS                                                                                          | Lenovo AIO-510-22ISH<br>Intel I5 2200 MHz/8<br>GB/1000 GB/DVD/audio<br>Monoblock, 21" monitor,<br>Casio XJ-V 100W<br>Multimedia Projector,<br>Motorized Digis Electra<br>200*150 Dsem-4303<br>screen                                     |

Table 6.1. Material and technical support of the discipline

# 1. RESOURCES RECOMMENDED FOR COURSE STUDY

#### Main reading(sources)

- 1. Kim S. M. Payment methods and finance for international trade. Springer, 2021.
- 2. Téllez J., Zeadally S. Mobile payment systems //Cham, Switzerland: Springer. 2017.
- 3. Hugo C. Negotiable instruments as instruments of payment in international trade //Research Handbook on International Commercial Contracts. Edward Elgar Publishing, 2020. C. 244-261.

## b) additional literature

1. Belov Valeriy Alekseevich. The development of the national payment system is a new goal of the Central Bank of Russia [text] / V.A. Belov // Vestnik Rossiiskogo universiteta druzhby narodiv: Yurydyaky. - 2012. - №4. - S. 107-116. http://journals.rudn.ru/law/article/view/6034/5487

2. Varfolomeev A.A.Zaschita informatsii siznechnykh kart [Text/elektronnyi resurs] : Uchebnoe posobie / A.A. Varfolomeev. - M. : Izd-vo RUDN, 2008. - 158 p. - (Priority national project "Education": A set of export-oriented innovative educational programs in priority areas of science and technology). http://lib.rudn.ru/MegaPro/Web/SearchResult/ToPage/1

3. Ranchinsky Konstantin Leonidovich.Issues of legal status and regulation of electronic money in the EU countries / K.L. Ranchinsky // Bulletin of the Peoples' Friendship University of Russia: Juridical Sciences. - 2011. - №1. - S. 69-77. http://journals.rudn.ru/law/article/view/5645/5098

4. Khomenko E. G., Tarasenko O. A. National payment system of the Russian Federation and its elements. Monograph. – "Publishing House"" Prospekt"", 2016. 176 s.

5. Legislative and regulatory legal acts affecting the issues of payment systems and settlements. http://www.cbr.ru/today/BESP/main.asp?Prtid=acts

6. Internet payments. <u>http://www.credcard.ru/russys.html</u>

- 7. Payment system of the Bank of Russia. Synopsis. Bank of Russia. <u>http://www.cbr.ru/today/BESP/obzor/sys\_review.pdf</u>
- 8. Federal Treasury. <u>http://www.roskazna.ru/</u>
- 9. Financial services. Russian Post. <u>http://www.russianpost.ru/portal/ru/home/financial</u>

10. Cross-border operations of individuals carried out through money transfer systems and Russian Post. <u>www.cbr.ru</u>

- 11. Western Union. <u>http://www.westernunion.com</u>
- 12. MoneyGram. <u>http://www.moneygram.com</u>

a. Card history: credit cards in Russia and in the world. <u>http://www.credcard.ru/history.html</u>

b. A glossary of terms used in payments and settlements systms. BIS.

http://www.bis.org/cpmi/publ/d00b.pdf

c. The Committee on Payments and Market Infrastructures. BIS. <u>http://www.bis.org/cpmi/index.htm?ql=1</u>

d. Fedwire and National Settlement Services.

http://www.federalreserve.gov/paymentsystems/paymentsresearch.htm

- e. ABA. http://www.aba.com
- f. CHIPS Rules. <u>www.chips.org</u>
- g. Federal Reserve System. <u>www.frbservices.org</u>
- h. GSCC. <u>www.gscc.com</u>
- i. NSCC. <u>www.nscc.com</u>

j. ECB: ECB, ESCB and the Eurosystem. ECB. <u>http://www.ecb.int/ecb/orga/escb/html/index.en.html</u>

- k. Euro Banking Association. www.abe.org
- l. Payment Systems. <u>http://www.bundesbank.de</u>
- m. Target Statistics. <u>http://www.ecb.int/stats/payments/payments/html/index.en.html</u>

b) databases, reference and search engines

- Visa
- Mastercard
- ABA. <u>http://www.aba.com</u>
- CHIPS Rules. www.chips.or
- Federal Reserve System. <u>www.frbservices.org</u>
- GSCC. <u>www.gscc.com</u>
- NSCC. <u>www.nscc.com</u>

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 <u>http://www.biblioclub.ru</u>
- EBS Jurait http://www.biblio-online.ru
- EBS Student Consultant www.studentlibrary.ru
- EBS "Lan" http://e.lanbook.com/
- \_EBS Troitsky Bridge

# ASSESSMENT TOOLKIT AND GRADING SYSTEM\* FOR EVALUATION OF STUDENTS' COMPETENCES LEVEL UPON COURSE COMPLETION

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 "Basics of international trade" are presented in the Appendix to this Course Syllabus of the discipline.

### AGREED

Developer: Lecturer Assistant of International economic relations \_\_\_\_\_\_\_A.A. Surkova

Head of the Higher Education Programme

Doctor of Economics, Professor of International economic relations \_\_\_\_\_\_ I.V. Andronova