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

**Faculty of Economics**

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**COURSE SYLLABUS**  
**WORLD ENERGY MARKET**

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

38.03.01 Economics

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

International Economic Relations  
(name (profile/specialization))

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**2025**

## 1. COURSE GOALS

The aim of the course is to create a system of knowledge about the mechanisms and conditions of the international energy business, the state, problems, and quantitative guidelines for the development of fuel and energy industries as a whole and individually in their main sectors (oil, gas, coal) in Russia and globally.

The study of this course is motivated by the need to comprehend the characteristics of the fuel market in international and domestic practice, considering the theoretical and practical aspects of the functioning of the international energy market, the domestic and global economy, energy, and international experience in key trends and changes in the industry.

The discipline refers to courses that deepen theoretical and practical knowledge about the properties of the world energy market.

### **Objectives of the discipline:**

1. analysis of the current state and the main trends in the development of the global and Russian fuel and energy complex; determining the role and importance of the oil, gas, coal industry in the energy sector and the national economy;
2. study of the specifics of the functioning of the world's main energy markets (North American, European, Asia-Pacific). Volume and structure of production and consumption of oil, gas, coal, electricity in Russia and abroad;
3. - mechanisms and conditions for conducting international energy business, the concept, form and procedure for concluding international commercial contracts in the energy sector, features of pricing in the international energy market, types of payments in the international energy business, national and regional features of international energy business, volume;
4. structure and directions of energy supplies, the specifics of exchange trade in energy resources.
5. analysis of the specifics of pricing for oil, gas, coal in the Russian and international energy markets;
6. study of the role of international organizations in the world energy supply system (OPEC, IEA, etc.);
7. study of the role of transnational and regional companies in the global energy supply system;
8. analysis of the cost structure for individual sectors of the energy sector;
9. study of regional and sectoral specifics of taxation in the global and Russian energy markets;
10. analysis of the effectiveness of hydrocarbon field development projects, the main risks in their implementation;

11. study of investment project management in the energy industry;
12. study of Russia's energy policy: prospects for the production, consumption and export of major energy carriers;
13. energy security analysis and international energy business.

## 2. LEARNING OUTCOMES

Studying the discipline "World energy market" is aimed at the formation of the following competencies (part of 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
GPC-4	Able to offer economically and financially justified organizational and managerial decisions in professional activities	GC-4.1. Know the basic technologies for developing organizational and managerial decisions at the level of an enterprise / organization GC-4.2. Able to economically and financially justify the proposed organizational and managerial decisions at the enterprise/organization level

## 3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The discipline "World energy market" refers to the part formed by the participants of the educational relations of 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 energy market".

*Table 3.1. List of Higher Education Programme components / disciplines that contribute to expected learning/training outcomes*

Code	Competence	Previous disciplines/modules, practices*	Subsequent disciplines/modules, practices*
GPC-4	Able to offer economically and financially justified organizational and managerial decisions in professional activities	Mathematics (Part 2) Computer Science Introduction to the specialty Microeconomics Macroeconomics Institutional Economics	

#### **4. COURSE WORKLOAD AND LEARNING ACTIVITIES**

The total laboriousness of the discipline "World energy market" is 3 credit units.

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

Type of educational work		TOTAL, academic hours	Semester			
			5	6	7	8
<i>Contact academic hours</i>		34	0	0	34	0
Including:						
Lectures						
Lab work						
Seminars (workshops/tutorials)		34			34	
<i>Self-study (ies), academic hours</i>		56			56	
<i>Evaluation and assessment academic hours</i>		18			18	
<b>Overall laboriousness of the discipline</b>	<i>academic hours</i>	<b>108</b>			<b>108</b>	
	credit units	<b>3</b>			<b>3</b>	

## 5. COURSE MODULES AND CONTENTS

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

Course Modules and Contents	Course Modules and Contents	Type of educational work *
<b>Section 1.</b> The current state and main trends in the development of the world energy market.	Topic 1. The concept, subjects and objects of the world energy market. Topic 2. The history of the development of the energy complex of Russia and the countries of the world. Topic 3. The current state of the energy balance.	SC
<b>Section 2.</b> Features of the functioning of world energy markets	Topic 4. North American energy market. Topic 5. European energy market. Topic 6. Asia-Pacific Energy Market.	SC
<b>Section 3.</b> Infrastructure and conditions for conducting international energy business	Topic 7. The concept, form and procedure for concluding international contracts in the energy sector. Types of payments in the international energy business. Topic 8. National and regional features of international business.	SC
<b>Section 4.</b> The role of international organizations and transnational companies in the global energy supply system	Topic 9. The role of international organizations in the global energy supply system. Topic 10. The role of transnational and regional companies in the global energy	SC

	supply system.	
<b>Section 5.</b> Investment projects in the energy sector	Topic 11. The concept, essence and structure of investment projects.  Topic 12. The largest investment projects in the energy sector.	SC
<b>Topic 6.</b> Energy policy and energy security of the state	Topic 13. Energy policy and energy security.  Topic 14. Energy policy of Russia and the largest regions of the world.  Topic 15. Energy security and international energy business.	SC

\* - is filled only in the **full-time** form of training: LC - lectures; LR - laboratory work; SC - seminar classes

## 6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

*Table 6.1. Logistics of discipline*

<b>Name of special placements and placements for independent work</b>	<b>Equipment of special placements and placements for independent work</b>	<b>List of licensed software. Details of the confirming document</b>
Lecture Hall	Auditorium for conducting lecture-type classes, equipped with a set of specialized furniture; a whiteboard (screen) and technical means of multimedia presentations.	Notebook Asus F6A, Multimedia projector Casio XJ-S400UN, Multimedia projector Casio XJ-V100W, Projection screen GEHA 244*244, Screen with electric wire Draper 203*1, Speaker system DefenderMercury 35 Mkll, TV Philip
Seminary	Auditorium for seminar-type classes, group and individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and technical means of multimedia presentations.	Notebook Asus F6A, Multimedia projector Casio XJ-S400UN, Screen motorized DigisElectra MW DSEM - 1105
Computer Lab	Computer class for conducting classes, group and individual consultations, current control and intermediate certification, equipped with personal computers (in the amount of 21 pieces), a whiteboard (screen) and technical means of multimedia presentations.	Monoblock LenovoIntelI5 10160T/8 GB/256 GB/audio, 24" monitor, Multimedia projector Casio XJ-V100W, Screen motorized DigisElectra

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
		200*150 Dsem-4303
For independent work of students	Auditorium for independent work of students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to the EIOS.	Monoblock LenovoAIO-510-22 ISHIntelI5 2200 MHz/8 GB/1000 GB/DVD/audio, monitor 21", Multimedia projector CasioXJ-V 100W, Screen motorized DigisElectra 200*150 Dsem-4303

## 7. RESOURCES RECOMMENDED FOR COURSE STUDY

### Main reading(sources)

1. World Economy for Economists: Educational and Methodical Manual / I.V. Andronova [et al.]; Under the general editorship of I.V. Andronova. - Electronic text data. - M.: Izd-vo RUDN, 2018. Electronic resource, access code in the RUDN University library:<http://lib.rudn.ru/ProtectedView/Book/ViewBook/6622>
2. Evolution of world energy markets and its consequences for Russia / ed. by A.A.Makarov, L.M.Grigoriev, T.A.Mitrova. – M. INEI RAN-AC under the Government of the Russian Federation, 2015. – 400 p. – ISBN 978-5-91438-019-6.
3. Energy markets in a period of global change. World development. Issue 15. Holes. ed.: N.V. Toganova, Yu.D. Kvashnin. M.: IMEMO RAN, -2015, -123 p.
4. Zlotnikova L.G., Kolyadov L.V., Tarasenko P.F. Financial management in oil and gas industries. M.: Rossiyskii gosudarstvennyi universitet neft i gaz (NRU) imeni I.M. Gubkin, 2016. — 353 s.
5. Kondratov Dmitry Igorevich Russia's participation in the world energy market: problems and prospects of development // Russian Foreign Economic Herald. 2015. Volume 3 2015, P.91- 105.

### Additional (optional) reading (sources)

1. Bolkunets D.V. State and features of Russian-Belarusian energy cooperation [text] / D.V. Bolkunets // Vestnik Rossiiskogo universiteta druzhby narodiv: Mezhdunarodnye otnosheniya. - 2014. - №4. - Pp. 120 - 128. <http://journals.rudn.ru/international-relations/article/view/10409/9860>
2. Fedorova E.A. Features of mergers and acquisitions in the Russian Federation on the example of the energy market / E.A. Fedorova, E.I. Izotova // Management in Russia and abroad. - 2014. - №4. - S. 65-72.

3. Simonov A.G. Gas industry of Russia: a resource for the economic integration of Russia and the EU / A.G. Simonov // Bulletin of International Organizations. - 2012. - №4. - S. 248-253.
4. Gilmundinov V.M. Mirovoi energoyn rynek i neftezhnyi complex Rossii // Mir ekonomika i upravleniya. 2004. Volume 4, Issue 1, P.22-43
5. Pashkovskaya I.G. Energy supply of the European Union: eastern direction : Monograph / I.G. Pashkovskaya. - M. : Navona, 2010. - 248 p. - ISBN 978-5-91798-008-9 : 0.00.
6. EU gas market. The Age of Reform. S.I. Melnikova et al. INEI RAS / IE NRU HSE, 2016.
7. Vorobyov A.E. History of oil and gas business in Russia and abroad: a textbook / A.E. Vorobyov, A.V. Sinchenko. – M.: Rossiiskoi universitet druzhby narodiv, 2013. – 139 p.
8. Dolgushev D.V. Voprosy energonoi security v nachale XXI V. I securing the supply of Russian gas to the North American energy market // Vestnik Tomskogo gosudarstvennogo universiteta. 2011. Issue 353, P.67-69
9. Ivanov A.S., Matveev I.E. World energy market in the conditions of the financial and economic crisis of 2008-2009 // Russian Foreign Economic Herald. 2009. Issue 10, pp.3-16
10. Klyomin A. V. Evropeyskii energoi rynek (starye tsel'i ne ne novye metody) // Actual'nye problemy ekonomiki i prava. 2009. Issue 2 (10), P.178-191
11. Kondratov D.I. Problems and Prospects of Russia's Participation in the World Energy Market // Financial Analytics: Problems and Solutions. 2013. Issue 20, P.7-23
12. Korendyasov E.N.. The atomic energy market of Africa: the role and place of Russia [Electronic resource] // Asia and Africa today. 2016. URL: <http://dlib.eastview.com/browse/doc/46500834>
13. The Common Energy Market: Will Everyone Benefit? Strategic decisions and risk management. 2016. Issue 1 (94), P.54-54
14. Rusetskaya G.D. Methodology of analysis of the world energy market // Baikal Research Journal. 2012. Issue 4, P.29
15. Telegina E. Mirovaya energetika: tendencies and perspectives. Mirovoy energicheskii rynek i geozhitel'nye interesy Rossii [Elektronnyi resurs] // Mirovaya ekonomika i mezhdunarodnye otnosheniya. 2003. URL: <http://dlib.eastview.com/browse/doc/5027962>
16. Bratkovsky K.V. Relations between Russia and the European Union in the energy sphere / K.V. Bratkovsky // Vestnik Rossiiskogo universiteta druzhby narodiv: Mezhdunarodnye otnosheniya. - 2009. - №2. - S. 49-55. <http://journals.rudn.ru/international-relations/article/view/10606/10057>
17. Dukhno S.I. Tendencies of development of state regulation of energy markets / S.I. Dukhno, Zh.V. Pisarenko // Notes of the Mining Institute. - 2008. - T.179. pp. 120-121.



18. Ivanov A.S. Mirovoy **energonii rynok** na rubezhe 2007-2008 gg.: parameters, tendencies, problems / A.S. Ivanov, I.E. Matveev // Rossiiskoi zanednoe ekonomicheskii vestnik: Monthly nauchno-prakticheskii zhurnal. - 2008. - No 8. - P.66-79.
19. Lead from energy markets. Oil export from Russia to Belarus // Russian Foreign Economic Bulletin. - 2007. - № 1. - S. 44-45.
20. Klimenko A.V. Russia's Place in Global Energy Security [Text] / A.V. Klimenko // Quality of Distance Education. Concepts, problems, solutions (EDQ-2006). - M. : Izd-vo MGIU, 2006. - pp. 135 - 138.

Resources of the information and telecommunications network "Internet":

[www.iea.org](http://www.iea.org) International Energy Agency website

[www.fas.gov.ru](http://www.fas.gov.ru) – Website of the Federal Antimonopoly Service of the Russian Federation

[www.minenergo.gov.ru](http://www.minenergo.gov.ru) – Website of the Ministry of Energy of the Russian Federation

[www.eurasiacommission.org](http://www.eurasiacommission.org) – Eurasian Economic Commission website

[HTTPS://WWW.OPEC.ORG/OPEC WEB/EN/](https://www.opec.org/opec_web/en/) - OPEC website

<https://www.bp.com/en/global/corporate/energy-economics/statistical-review-of-world-energy.html> Statistical Review of World Energy

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](http://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/](https://www.yandex.ru/)

- Google <https://www.google.ru/> search engine

- Abstract database SCOPUS [http:// www.elsevierscience.ru/products/scopus/](http://www.elsevierscience.ru/products/scopus/)

- .....

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

*All educational and methodological materials for the independent work of students are placed in accordance with the current procedure on the page of the discipline in TUIS*  
<https://esystem.rudn.ru/course/view.php?id=18846>

## **8. 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 "World energy market" are presented in the Appendix to this Course Syllabus of the discipline.

**DEVELOPERS:**

Associate Professor of the  
Department of International Economic  
Relations position, educational  
department

**Simonov A.G.**

name and surname.

**HEAD OF EDUCATIONAL DEPARTMENT:**

**Head of the Department of  
International Economic  
Relations, Doctor of  
Economics, Professor**

**Andronova I.V**

educational department

signature

name and surname.

**HEAD OF  
HIGHER EDUCATION PROGRAMME:**

**Head of the Department of  
International Economic  
Relations, Doctor of  
Economics, Professor**

**Andronova I.V.**

position, educational department

signature

name and surname.

