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ФИО: Ястребов Олег Александрович
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**FEDERAL STATE AUTONOMOUS EDUCATIONAL INSTITUTION OF
HIGHER EDUCATION PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTER PATRICE LUMUMBA
(RUDN University)**

Faculty of Economics

COURSE SYLLABUS

STATISTICS FOR ECONOMISTS

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))

1. COURSE GOALS

The goal of studying the discipline "Statistics for Economists" is to prepare professionals who are familiar with modern statistical methods and can apply them to evaluate and analyze the state and patterns of socio-economic development.

Students who study this subject should learn the statistical methods used in domestic and international practice and how to use them to support economic decisions. These methods include:

- The main scientific strategies of statistics and the role of statistical methods in studying socio-economic and financial processes.
- Sources of statistical information and methods for collecting it.
- The methodology for calculating consolidated indicators of financial and economic activities.
- A scientifically justified system of interconnected social and economic indicators, their economic content, and practical applications in financial analysis.
- Methods for calculating and analyzing general indicators for assessing and forecasting socio-economic and financial development.

2. LEARNING OUTCOMES

Studying the discipline "Statistics for Economists" 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-2	Capable of collecting, processing, and statistically analyzing the data required to solve a variety of economic issues.	GPC-2.1. Able to manage methods and means of collecting, processing and analyzing information necessary to solve standard tasks of a technical and economic assessment of activities in the field of professional activity
		GPC-2.2. Understand the basics of information and bibliographic culture, allowing students to select the relevant information required for conducting technical and economic calculations in professional activities

3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The discipline "Statistics for Economists" 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 "Statistics for Economists".

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-2	Able to collect, process and statistically analyze the data necessary to solve the set economic problems	Statistics, Accounting Internal control of the company Basics of Taxation Economic geography Economics of Interstate Territorial Disputes Public Presentation Skills and Technologies Basics of trading in the stock market Fundamentals of scientific research	Project-technological internship Undergraduate practice Final state examination procedures Degree thesis procedures

4. COURSE WORKLOAD AND LEARNING ACTIVITIES

The total laboriousness of the discipline "Statistics for Economists" is 3 credit units.

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

Type of educational work		TOTAL, <i>academic hours</i>	Semester			
			1	2	3	4
<i>Contact academic hours</i>		51			51	
including:						
Lectures		17			17	
Lab work						
Seminars (workshops/tutorials)		17			17	
<i>Self-study (ies), academic hours</i>		39			39	
<i>Evaluation and assessment academic hours</i>		18			18	
Overall laboriousness of the discipline	<i>academic hours</i>	108			108	
	credit units	3			3	

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 *
Section 1. Social statistics	Topic 1. 1. Basics of socio-economic statistics	SC
	Topic 1. 2. Population statistics	SC
	Topic 1. 3. Statistics of labor resources and the labor market	SC

	Topic 1. 4. Statistics of the standard of living of the population	SC
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Course Modules and Contents	Course Modules and Contents	Type of educational work *
Section 2. Macroeconomic statistics	Topic 2.1. National wealth statistics	SC
	Topic 2.2. Statistical methodology of accounting and macroeconomic calculations	SC
Section 3. Economic statistics	Topic 3.1. Public finance statistics	SC
	Topic 3.2. Statistics of money circulation, prices and inflation	SC
	Topic 3.3. Statistics of banking, stock exchange and insurance markets	SC
	Topic 3.4. Statistics of finance of enterprises and organizations	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

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
Seminary	Classroom 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 Digis Electra MW DSEM - 1105
Computer Lab	Computer class for 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 Lenovo Intel I5 10160T/8 GB/256 GB/audio, monitor 24", Multimedia projector Casio XJ-V100W, Screen motorized Digis Electra 200*150 Dsem-4303
For independent work of students	An 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 EIOS.	Monoblock Lenovo AIO-510-22 ISH Intel I5 2200 MHz/8 GB/1000 GB/DVD/audio, monitor 21", Multimedia projector Casio XJ-V 100W, Screen motorized Digis Electra 200*150 Dsem-4303

RESOURCES RECOMMENDED FOR COURSE STUDY

Main reading(sources)

1. Statistics: textbook for universities / editor-in-chief I. I. Eliseeva. — 6th ed., Moscow: Yurait Publishing House, 2025. — 619 p. — (Higher education). — ISBN 978-5-534-15117-6. — Text: electronic // Yurait Educational Platform [website]. — URL: <https://urait.ru/bcode/565726>
2. David M. Lane, David Scott, Mikki Hebl, Rudy Guerra, Dan Osherson, Heidi Zimmer. Introduction to Statistics (Online Edition) (2022) https://onlinestatbook.com/Online_Statistics_Education.pdf
3. Barbara Illowsky, Susan Dean. Introductory Statistics OpenStax Rice University (2018) URL: https://assets.openstax.org/oscms-prodcms/media/documents/IntroductoryStatistics-OP_i6tAI7e.pdf

4. Statistics: textbook for universities / I. I. Eliseeva [et al.] ; responsible editor I. I. Eliseeva. — 6th ed., pererab. i dop. — Moscow : Yurayt Publishing House, 2022. — 619 p. — (Higher education). — ISBN 978-5-534-15117-6. — Text : electronic // Educational platform Yurait [site]. — URL: <https://urait.ru/bcode/487458> .

5. Bychkova, S. G. Socio-economic statistics : textbook and practicum for universities / S. G. Bychkova, L. S. Parshintseva ; edited by S. G. Bychkova. — Moscow : Izdatelstvo Yurait, 2022. — 488 p. — (Higher education). — ISBN 978-5-534-14952-4. — Text : electronic // Educational platform Yurait [site]. — URL: <https://urait.ru/bcode/485721>.

Additional (optional) reading (sources)

1.G. Y. Popov, Ol. Q. Savchina, Ok. Q. Savchina. Statistics. Textbook for students of the direction 38.03.01 "Economics" and 38.03.04 "State and Municipal Management" - 3rd ed., dor. - Chekhov: TsOinNK, 2022 - 113 p.

2. Popov G.Yu., Demidova L.N., Savchina O.V. Fundamentals of demography and population statistics TextbookM.: RUDN University, 2018.

periodicals (journals):

1. Economic issues
2. «Expert»
3. «Profile»

4. Resources of the information and telecommunication network "Internet":

- 1.www.rosstat.gov.ru Federal State Statistics Service (Rosstat)
- 2.www.cisstat.org CIS Interstate Statistical Committee united Nations
- 3.www.un.org
- 4.www.imf.org International Monetary Fund
- 5.www.oecd.org Organisation for Economic Co-operation and Development
- 6.<http://www.cbr.ru/credit/transparent.asp> Handbook on Credit Operations of the Bank of Russia
7. http://www.gks.ru/bgd/free/b02_18/IssWWW.exe/Stg/d000/i040070r.htm
8. On the results of the Global Round of International GDP Comparisons <http://www.openinfo.ffms.ru> FFMS Information Disclosure Server
- 10.<http://www.sec.gov/edgar.shtml> EDGAR Information Disclosure Server
- 11.A project providing materials on the theory and practice of financial and management accounting, international and national standards: www.gaap.ru
- 12.Ministry of Finance: www.minfin.ru
13. www.census.gov
- 14.www.cisstat.Com

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

2. Databases and search engines:

- electronic fund of legal and normative-technical documentation [of the http://docs.cntd.ru/](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:*

1. Materials on the discipline "Economic Statistics".

* - 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 TIUS!**

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 "Statistics for Economists" are presented in the Appendix to this Course Syllabus of the discipline

DEVELOPERS:

**Associate prof. at the
Department of Finance,
Accounting & Auditing**

position, educational department

signature

A. Al Humssi

name and surname.

**HEAD OF THE BASIC
EDUCATIONAL
DEPARTMENT:**

**Doctor of Economics, Professor
at the Department of Finance,
Accounting & Auditing**

position, educational department

signature

D. A. Dinets

name and surname.

**HEAD OF THE HIGHER
EDUCATION PROGRAMME:**

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

position, educational department

signature

I.V.Andronova

name and surname.