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

Faculty of economics

COURSE SYLLABUS

MACROECONOMICS (Advanced)

Recommended by MSSN for the field:

38.04.01 «Economy»

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

«International Trade»

1. THE COURSE GOALS

The course of «Macroeconomics (Advanced)» is included in the master's degree program "International Trade" in the direction of 38.04.01 "Economics" and is studied in the 2nd semester of the 1st year. The discipline is implemented by the Department of International Economic Relations. The discipline consists of 5 sections and 12 topics and is aimed at studying the macroeconomic patterns of the development of the economic system.

The purpose of mastering the discipline is to develop students' economic way of thinking, which is necessary for a modern highly qualified economist to solve professional problems, as well as the ability to use logic and macroeconomic analysis in research work.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course "Macroeconomics (Advanced)" is aimed at developing the following competencies (parts of competencies):

Table 2.1. The list of competencies formed by students in the mastering the COURSE

Competence code	Competence	Competence achievement indicators (within this course)
GC-1	Able to search, critical analysis of problem situations based on a systematic approach, develop an action strategy	GC-1.1 Analyzes the task, highlighting its basic components; GC -1.2 Identifies and ranks the information required to solve the problem; GC-1.3 Searches for information to solve the task for various types of requests; GC-1.4 Offers options for solving the problem, analyzes the possible consequences of their use; GC-1.5 Analyzes ways to solve problems of an ideological, moral and personal nature based on the use of basic philosophical ideas and categories in their historical development and socio- cultural context;
SPC-2	Able to apply advanced instrumental methods of economic analysis in applied and/or basic research	SPC-2.1 Has knowledge of advanced instrumental methods of economic analysis; SPC-2.2 Can apply knowledge of advanced instrumental methods of economic and financial analysis in applied and/or fundamental research;
SPC-3	Able to summarize and critically evaluate scientific research in economics	SPC-3.1 Develops a program of applied and / or fundamental research in the field of economics based on the evaluation and generalization of the results of scientific research conducted by other authors; SPC-3.2 Prepares an analytical note based on the results of applied and / or fundamental research in the field of economics; SPC-3.3 Summarizes conclusions, prepares a conclusion and formulates recommendations based on the results of applied and / or fundamental research in the field of economics/

3. Course in Higher Education Program Structure

The discipline "Macroeconomics (advanced course)" belongs to the mandatory part of block 1 "Disciplines (modules)" of the educational program of higher education.

As part of the higher education program, students also master other disciplines and/or practices that contribute to achieving the planned results of mastering the discipline "Macroeconomics (advanced course)".

Table 3.1. The list of components of the Higher Education Program Structure that contribute to the achievement of the planned results of mastering the Course

Competence code	Competence	Previous Disciplines (Modules) *	Subsequent Disciplines (Modules)*
GC-1	Able to search, critical analysis of problem situations based on a systematic approach, develop an action strategy	Scientific research work; Microeconomics (advanced course); The conjuncture of the world markets of goods and services; Adaptive course on the fundamentals of economics;	Pre-graduate practice; Research work;
SPC-2	Able to apply advanced instrumental methods of economic analysis in applied and/or basic research	Scientific research work; Customs aspects of the movement of goods in international trade; Conjuncture of world markets of goods and services;	Pre-graduate practice; Research work; International finance;
SPC-3	Able to summarize and critically evaluate scientific research in economics	Microeconomics (advanced course); Economics and organization of foreign economic activity (advanced level); Research work;	Artificial intelligence in international trade; Postgraduate practice; Research work;

* - filled in in accordance with the matrix of competencies

4. Course Workload and Academic Activities

Course Workload and Academic Activities 3 credits.

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

Types of academic activities during the period of the HE program mastering	Course workload, academic hours	Semesters			
		1	2	3	4
<i>Contact academic hours</i>	36		36		
including:					
Lectures	18		18		
Seminars	18		18		
<i>Self-study, academic hours</i>	54		54		
<i>Evaluation and assessment</i>	18		18		

Types of academic activities during the period of the HE program mastering		Course workload, academic hours	Semesters			
			1	2	3	4
Course workload	academic hours	108		108		
	credits	3		3		

5. CONTENT OF THE DISCIPLINE

Table 5.1. The content of the course by type of educational work

Course Modules	Name of the course topic	Contents of the topic	Types of academic activities
Section 1. An introduction to advanced macroeconomics.	1.1 The subject of macroeconomics	The subject of macroeconomics. The main economic agents. An open economy. Residents and non-residents	lectures, seminars
	1.2. Methods of macroeconomic analysis. The system of national Accounts.	Methods of macroeconomic analysis. Aggregation. Modeling. The model of macroeconomic circulation. Stock variables and flow variables. The relationship between the growth rates of nominal and real values in discrete and continuous time. The role of expectations in macroeconomics.	lecture, seminars
Section 2. General economic equilibrium	2.1 Macroeconomic equilibrium in the neoclassical model	Neoclassical functions of consumption and saving. Investment demand functions. Autonomous and induced investments.	lecture, seminars
	2.2. Macroeconomic equilibrium in the Keynesian model	J.M. Keynes' consumption and saving functions and their modifications. The equilibrium of the national economy in the "Keynesian cross" model. Recessional and inflationary gaps. Solving the problem of approximating real GDP to potential GDP. State regulation of effective demand: priority of budget policy.	lecture, seminars
	2.3 Neoclassical synthesis	The equilibrium of the national economy in the IS–LM model. Fiscal and monetary policy in the IS–LM model.	lecture, seminars
Section 3. Cyclical nature and economic growth	3.1. Modern models of economic growth	Cyclical nature of the economy. Economic cyclicity in modern conditions. Production functions in macroeconomics.	lecture, seminars
	3.2. Neoclassical growth models	Neoclassical production functions, Cobb-Douglas, Leontiev functions, CES. The effectiveness of the factors. Estimates of the elasticity of substitution.	lecture, seminars

Course Modules	Name of the course topic	Contents of the topic	Types of academic activities
	3.3 Keynesian growth models. The Harrod-Domar model.	Models of economic growth. Neo-Keynesian models of economic growth by Harrod-Domar and R. Solow.	lecture, seminars
Section 4. Economic policy	4.1. Approaches to inflation modeling: monetary and non-monetary concepts	Inflation and monetary policy. Inflation expectations. Supply inflation. Socio-economic consequences of inflation. Approaches to inflation modeling: monetary and non-monetary concepts. Lack of inflation expectations and the Phillips curve. The relationship between inflation and unemployment. Unemployment. Malthusianism. The neoclassical concept of unemployment by A. Pigou. The Keynesian concept of the natural unemployment rate or the "unemployment rate that does not accelerate inflation." Dynamics of social production and unemployment. Hysteresis. A. Okun's Law.	lecture, seminars
	4.2 Fiscal policy and budget deficit	Fiscal policy and budget deficit. Models of the effects of public debt. Temporary inconsistency of economic policy.	lectures, seminars
Section 5. Effectiveness of the State's economic policy in an open economy	5.1. A model of long-term equilibrium in a small open economy with perfect capital mobility	The impact of monetary and fiscal policy on the balance of payments. A model of long-term equilibrium in a small open economy with perfect capital mobility. An open economy model with imperfect capital mobility in the long term	lecture, seminars
	5.2 Open economy with imperfect capital mobility	Multipliers of economic policy in an open economy model with imperfect capital mobility.	lectures, seminars

6. Classroom Equipment and Technology Support Requirements

Table 6.1. Classroom Equipment and Technology Support Requirements

Classroom for Academic Activity Type	Classroom equipment	Specialized educational / laboratory equipment, software and materials for mastering the discipline
Lecture	Classroom, equipped with a set of specialized furniture; whiteboard; a set of devices includes portable multimedia projector, laptop, projection screen, stable wireless Internet connection.	Laptop, projector, board, screen Software: Microsoft Windows, MS Office /Office 365, MS Teams, Chrome (latest stable release)
Seminars	Classroom, equipped with a set of	Laptop, projector, board, screen

Classroom for Academic Activity Type	Classroom equipment	Specialized educational / laboratory equipment, software and materials for mastering the discipline
	specialized furniture; whiteboard; a set of devices include portable multimedia projector, laptop, projection screen, stable wireless Internet connection.	Software: Microsoft Windows, MS Office /Office 365, MS Teams, Chrome (latest stable release)
Self-studies	Classroom, equipped with a set of specialized furniture; a set of devices includes laptop, stable wireless Internet connection.	Laptop, Software: Microsoft Windows, MS Office, MS Teams, Chrome (latest stable release)

7. Recommended Sources for Course Studies

1. Main reading:

- Rozanova N.M. Macroeconomics. Stable equilibrium in a dynamic environment.

Moscow: Yurayt Publishing House, 2025.

2. Additional reading:

- Geoffrey A. Jehle, Philip J. Reny. Advanced Microeconomic Theory. Third Edition.

Electronic file from open Internet source: <http://zalamsyah.staff.unja.ac.id/wp-content/uploads/sites/286/2019/11/1-Advanced-Microeconomic-Theory-3rd-Ed.-JEHLE-RENY.pdf>

- Libby Rittenberg and Tim Tregarthen. Microeconomics. - Electronic file from open Internet sources: https://ocw.mit.edu/ans7870/14/14.01SC/MIT14_01SCF11_rtttext.pdf

3. Electronic libraries with access for RUDN students. Databases and search engines:

- RUDN Electronic Library System - RUDN EBS <http://lib.rudn.ru/MegaPro/Web>
- ELS "University Library Online" <http://www.biblioclub.ru>
- EBS Yurayt <http://www.biblio-online.ru>
- ELS "Student Consultant" www.studentlibrary.ru
- EBS "Lan" <http://e.lanbook.com/>

4. Databases:

- electronic fund of legal and normative-technical documentation <http://docs.cntd.ru/>
- abstract database SCOPUS <http://www.elsevier.com/locate/scopus/>

Educational and methodological materials for independent work of students in the development of the discipline/module:*

1. A course of lectures on the discipline " Macroeconomics(Advanced)".

2. Homework assignments

* - 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!

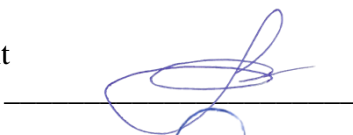
<https://esystem.rudn.ru/course/index.php?categoryid=833>

8. EVALUATION MATERIALS AND SCORE-RATING SYSTEM FOR ASSESSING THE LEVEL OF FORMATION OF COMPETENCES IN THE COURSE

Evaluation materials and a point-rating system* for assessing the level of competence formation (part of competences) based on the results of mastering the discipline " Macroeconomics (Advanced)" are presented in the Appendix to this Work Program of the discipline.

* - OM and BRS are formed on the basis of the requirements of the relevant local normative act of the Peoples' Friendship University of Russia.

Associate Professor
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