MINISTRY OF HIGHER EDUCATION, SCIENCE AND INNOVATION OF THE REPUBLIC OF UZBEKISTAN

KARSHI STATE TECHNICAL UNIVERSITY

"APPROVED"
Rector of Karshi State Technical University
_____ Sh.K.Nematov
"___" _____ 2025

MACROECONOMIC ANALYSIS AND FORECASTING

MODULE GUIDE

Field of knowledge:	**400000 –**	Business, Management, and Law
Field of education:	**410000 –**	Business and management
Field of study:	**60310100 –**	Economics

Module links

Module title:	Macroeconomic Analysis and Forecasting
Code (if applicable)	MAF1605
Courses (if applicable)	3
Module teaching semesters	5
Language	Uzbek
Curriculum relevance	compulsory
Type of Instruction, Contact Hours	Lecture, practical.
Workload	Total workload:150 hours. Auditory hours: 60 hours; lecture: 30 hours, practical lessons: 30 hours; Self-study: 90 hours
Credit points:	5
Recommended previous subjects	Economic Theory, Information and Communication Technologies and Systems in Economics, Statistics

Module objectives / expected learning outcomes	To teach students the theoretical and methodological foundations of systematic analysis of macroeconomic processes, assessment of their dynamics, and preparation of short-term and long-term forecasts based on economic indicators. Application of macroeconomic models, formation of skills to develop scientifically based proposals on economic policy based on their results. The science objectives allow students to learn: • to understand the meaning of macroeconomic indicators (GDP, inflation, employment, investment, foreign trade) and analyze them; • to master the essence of equilibrium and growth models in the economy; • to collect, process, and evaluate different types of macroeconomic data; • to conduct analysis, diagnostics, and forecasting using macroeconomic models; • to assess the effectiveness of macroeconomic policy using statistical and econometric methods; • to present economic forecasts and scientific conclusions in a clear, logical, and scientifically grounded manner. Expected results from teaching the module: 1. Theoretical knowledge and concepts. Students learn the theoretical foundations of the structure of the national economy, the system of macroeconomic indicators, the balance of supply and demand, economic growth, business cycles, the state budget and monetary policy. Understands the mechanisms of impact of macroeconomic policy on economic development. 2. Analytical skills. Students conduct scientific analyzes of such processes as determining the causes of changes in economic indicators, evaluating the dynamics of economic processes, inflation, unemployment, and exchange rate changes. **3.** Use of research and computing tools. Creates macroeconomic forecasting models in Excel, EViews, Stata, Statistica and other programs, can practically use trend analysis, scenario forecasting, and time series analysis methods. 4. Communication and scientific expression skills. Students communicate research results in scientific language in written and oral form, can present reports, graphs and tables on macroeconomic analysis in scientific style. 5. Implementation and decision-making. Students develop economic policy recommendations based on forecasts, offer solutions to macroeconomic problems in such areas as industry, agriculture, export-import, population welfare. Assesses economic risks using forecast results and prepares management decisions.
Content	Macroeconomic Analysis and Forecasting — is one of the

	main directions of the economy and studies the theoretical and methodological principles of evaluating and analyzing the processes taking place in the country's economic system on the basis of macro indicators and forecasting their future development trends on a scientific basis. This science determines the relationship between important macroeconomic indicators such as economic growth, inflation, employment, investments, foreign trade and serves to analyze the impact of economic policy on the real sector.
Study and exam requirements	**a) In order to get 90-100 points, the student's level of knowledge should meet the following:** - if the student can fully explain the essence and content of the subject; - if scientific accuracy and logical consistency are maintained when presenting the topics, without allowing scientific errors or confusion; - if the student has a clear understanding of the theoretical and practical significance of the course materials; - if the student can demonstrate independent and critical thinking within the subject area; - if the student can give clear and concise answers to the questions posed; - if the student has thoroughly prepared lecture notes; - if the student has fully and accurately completed independent assignments; - if the student has fully mastered the laws and other regulatory and legal documents related to the subject; - if the student has published a scientific article on one of the topics related to the subject; - if the student is able to explain and interpret historical processes; **b) In order to get 70-89,9 points, the student's level of knowledge should meet the following:** if the student understands the essence and content of the subject and does not make scientific or logical errors when presenting its topics; - if the student understands the practical significance of the subject content; - if the student completes the assigned tasks and exercises within the scope of the curriculum; - if the student can correctly answer the questions related to the subject; - if the student has well-structured lecture notes on the subject; - if the student has fully completed independent assignments related to the subject; - if the student has mastered the laws and other regulatorydocuments related to the subject. **c)In order to get 60-69,9 points, the student's level of knowledge should meet the following:**

	- if the student has a general understanding of the subject; - if the topics of the subject are covered in a limited scope and some confusion occurs in the presentation; - if the explanation is not fluent; - if the answers to the subject-related questions are vague and confused; - if the subject-related text (notes/materials) is not well structured. **d) In the following cases with 0-59.9 points, the student's level of knowledge can be assessed as unsatisfactory:** - if the student has not prepared for the classes related to the subject; - if the student has no understanding of the subject-related lessons; - if it is evident that the student has copied texts from others; - if there are serious errors and confusion in the subject-related text; - if no answers are obtained to the subject-related questions; - if the student does not know the subject at all.
Exam formats	Oral, written, test
Assessment Tools / Methods	Successfully completing assignments for the course, as well as current, mid-term, and final assessments.
List of References	1. A. Abdug'aniyev. *Macroeconomics: Theory and Practice*. Textbook. Tashkent: "Iqtisodiyot", 2021. – 412 pp. 2. G. Ibrohimov, M. Qodirov. *Fundamentals of Macroeconomic Forecasting*. Study guide. Tashkent: "Innovatsiya-Ziyo", 2022. – 268 pp. 3. X.S. Muxitdinov, Sh. Xalilov. *Macroeconomic Analysis*. Study guide. Karshi: "Intellekt" Publishing House, 2020. – 295 pp. 4. N. Ismoilov. *Economic Growth Models and Forecasting*. Monograph. Tashkent: "Fan va texnologiya", 2019. – 233 pp. 5. O'. Qodirova, Z. Nurmatova. *Analysis of National Economic Indicators*. Textbook. Tashkent: "Voris", 2023. – 350 pp. 6. J. Boymirzayev. *Macroeconomic Modeling and Economic Policy*. Study guide. Tashkent: "IQTISOD-MOLIYA", 2018. – 276 pp. 7. M. Rahmonov, L. Ahmedova. *Methods of Economic Forecasting*. Textbook. Tashkent: "Yangi asr avlodi", 2021. – 304 pp.

Editors	1. **B.A. Akhmedova** – Senior Lecturer, Department of Business and Management, Karshi State University.
Place and Date of Approval	Developed and approved by Karshi State Technical University (Report No.1, 26.08.2025)