RESPUBLIC OF UZBEKISTAN

MINISTRY OF HIGHER EDUCATION, SCIENCE AND INNOVATIONS

KARSHI STATE TECHNICAL UNIVERSITY

"APPROVED"

Rector _____Sh.K. Nematov

12 08 2025

DYNAMIC MACROECONOMY

MODULE GUIDE

Field of Study:	400000 -	Business, Management, Law
Field of study:	410000 -	Business & Management
Field of study:	60410100-	Economics (by sectors and spheres)

Module links

Module name:	Dynamic macroeconomics
Code (if applicable)	DMAK1706
Courses (if applicable)	4.
Module-trained semesters	7.
Tongue	Uzbek language
Connection with the curriculum	Compulsory
Type of training, contact hours	Lecture, Practical
Study load	Total teaching load: 180 hours. Classroom hours: 76 hours; lecture: 46 hours, practical training: 30 hours; independent study: 104 hours
Credit points	6.
Recommended previous subjects	Microeconomics, Macroeconomics

Module objectives / expected learning outcomes	Expanding the modeling of students using models in the dynamic analysis of macroeconomic knowledge is aimed at ensuring economic growth, achieving sustainable development based on the coordination of monetary and fiscal policy, the formation of knowledge and skills corresponding to the profile. Goals allow students to learn: - Dynamic modeling of macroeconomic processes, mastering the overlapping generation model and Ramsey model of the main models of macroeconomic dynamics; - use of these models to discuss tax policy and the pension system, master the basic models of endogenous economic growth (AC-model, Romer model, Barro models) and the general approach of economists in explaining the driving force of economic growth; - studying the main models of the business cycle - real business cycle models, political cycle models, new Keynesian models, and having the opportunity to apply these models. Expected results from teaching the module. 1. Theoretical knowledge and concepts. - fundamentals of the general theory of economic equilibrium, basic macroeconomic will be able to understand and analyze indicators, the main instruments of monetary and fiscal policy, the main models of modern macroeconomic theory, and the main conclusions from these models. 2. Analytical skills, use of basic models of macroeconomic theory, - determines the consequences of applying fiscal policy instruments, determines the consequences of applying monetary policy instruments, and learns to draw conclusions. 3. Use of research and analysis tools. Students develop skills in working with methods of economic analysis, graphs, and tables. Learn to apply economic models and theories in practical situations. 4. Communication and expression skills. will have the ability to clearly, logically, and consistently present macroeconomic models in written and oral form. Through the correct use of scientific-methodological language, they learn to justify their opinions. 5. Implementation and application of the main theoretical tools for analyzing the short-term and long-term consequences of applying economic policy instruments, the ability to accept the main theoretical tools for assessing the impact on the dynamics of the economic system at the macro level draws theoretical and practical conclusions from them.

Content	The goal of dynamic macroeconomics is a deeper understanding of the development of economic processes over time, the development of concepts and theories to ensure the economic stability of countries by modeling such processes as economic growth, equilibrium, and income distribution. The main goal of this science is the formation of a system of knowledge that will help to effectively develop and implement economic policies, identify problems that arise over time, and solve them.
Training and Examination Requirements	**a) To score 90-100 points, the student's knowledge level must meet the following requirements:** - can fully illuminate the essence and content of the subject; - preserve scientific and logical nature in the presentation of topics in science, and do not allow scientific errors and confusion; - has a clear idea of the theoretical or practical significance of the subject materials in the subject; - can demonstrate the ability to think independently within the framework of the subject; - can answer the given questions clearly and concisely; - thoroughly prepared for the summary; - fully and accurately completed independent assignments; - has fully mastered laws and other regulatory legal documents related to the subject; - has published a scientific article on one of the topics related to the subject; - can interpret historical processes; **b) For a score of 70-89.9, the student's level of knowledge must meet the following requirements:** - understands the essence and content of science, does not allow scientific and logical confusion in the presentation of topics in science; - understood the practical significance of the content of the subject; - fulfill the tasks and assignments given in the subject within the framework of the curriculum; - can correctly answer the questions posed in the subject; - has carefully formed a synopsis of the subject; - fully completed independent assignments in the subject; - has mastered laws and other regulatory documents related to the subject. **c) For a score of 60-69.9, the student's level of knowledge must meet the following requirements:** - has a general understanding of the subject; - if some confusion is allowed in the narrow coverage and presentation of topics in science; - if the presentation is not fluent; - if vague and confusing answers are received to questions on the subject; - if the text on the subject is not well formulated.

	d) The student's knowledge level can be assessed as unsatisfactory in the following cases with a score of 0-59.9: - no preparation for classes in the subject; - does not have any knowledge of the subject; - if it is noticeable that they copied texts on the subject from others; - serious errors and confusions were made in the text on the subject; - if answers to questions about the subject are not received; - if they don't know the subject.
Exam forms	Oral, written, test
Applicable means	Completion of assignments on the subject and successful passing of current, interim, and final control.
List of educational literature	1. Zakhirova G.M. Industry Economics (Service Economics): Textbook. -. T.: National University of Uzbekistan, 2024.-260 pages. 2. A. Ortiqov. Industrial Economics. Study Guide. - T.: Publishing House of the Literary Fund of the Writers' Union of Uzbekistan, 2004, 215 pages 3. Boltaboev M.R., Kosimova M.S. et al. "Industrial Economics," Study Guide. T.: ADIB PUBLISHING HOUSE, 2011, 232 pages. 4. Ergashev R.X., Khamrayeva S.N. Economic Growth. - Textbook, Karshi: "INTELLEKT-nashriyot," 2021, 245 pages. 5. Khalikulov A.N., Usmanova D.K., Karshiyev A.O. Regulation of the industry and competition. Study Guide. Samarkand.: "FAN BULOGI" Publishing House, SamISI, - 2022. 168 pages. "Capital in the Twenty-First Century" - Thomas Piketty "The Wealth of Nations" - Adam Smith 7."Freakonomics" - Steven D. Levitt and Stephen J. Dubner "Macroeconomic Dynamics" - Gauti B. Eggertsson, Michael Woodford
Editors	R.Kh.Ergashev - Professor of the Department of "Innovative Economics" of Karshi State Technical University, Doctor of Economics. T.Ergashev - Associate Professor of the Department of "Business and Management" of Karshi State Technical University, Candidate of Economic Sciences.
Approved location and time	Developed and approved by Karshi State Technical University (Report No. 1, 26.08.2025)