REPUBLIC OF UZBEKISTAN

MINISTRY OF HIGHER EDUCATION, SCIENCE AND INNOVATION

KARSHI STATE TECHNICAL UNIVERSITY

"APPROVED"
Rector of Karshi State Technical University
Sh.K.Nematov
"12" 08 2025

GREEN ECONOMICS

MODULE GUIDE

Field of knowledge:	400000 –	Business, management and law
Field of education:	410000 –	Business and management
Direction of education:	70410102 – 70310301-	Economics (by sectors and fields) Regional economics

Module links

Module name:	Green economics
Code (if applicable)	YaIQT 2305
Courses (if applicable)	2
Module teaching semesters	3
Language	Uzbek
Curriculum relevance	a selective subject
Type of teaching, contact hours	Lecture, laboratory.
Workload	Total workload: 150 hours. Auditory hours: 60 hours; Lecture: 30 soat, laboratory: 30 hours; Self-study: 90 hours
Credit points:	5
Recommended previous subjects	Environmental economics, Regional economics

Module objectives / expected learning outcomes	In the Republic of Uzbekistan, the "Strategy for Transitioning the Republic of Uzbekistan to a Green Economy for 2019–2030", approved by the President of the Republic of Uzbekistan on October 4, 2019, serves as a key programmatic document for ensuring sustainable development based on the principles of a green economy. Among the primary objectives of transitioning to a green economy are improving energy efficiency in the economy and rational use of natural resources. These objectives are to be achieved through the modernization of technologies and the development of financial mechanisms. By 2030, as the strategy is implemented, the comparative emissions of greenhouse gases per unit of gross domestic product are expected to decrease by ten percent from the 2010 level, and the population as well as sectors of the economy will be ensured full access to modern, affordable, and reliable electricity. The production and use of environmentally improved motor fuels and automobiles will be expanded, and the development of electric transport will be promoted. The study of this topic includes: elucidating the essence of categories and concepts related to the green economy; evaluating the role of the green economy in ensuring sustainable development; analyzing the objectives, principles, and implementation mechanisms of the green economy concept; conducting a comparative analysis of approaches recommended by international organizations for assessing the scope of the green economy and green growth; examining the financing, indicators, and development prospects of the transition to a green economy; assessing green energy as a factor of sustainable development; studying the challenges of developing organic agriculture; evaluating the global environmental situation and substantiating the economic mechanisms of environmental policy implementation; conducting a comparative analysis of accumulated, advanced experiences in developing and implementing national green economy programs in leading countries; and investigating the objectives, tasks, and development prospects of Uzbekistan's strategy for transitioning to a green economy.
Content	This course is focused on studying economic processes related to environmental protection, the efficient use of natural resources, and ensuring sustainable development. It is designed to help students understand the relationship between ecological sustainability and economic growth, as well as to develop skills in designing and implementing green policies and strategies.
Study and exam requirements	**a) To obtain 90-100 points, the student's level of knowledge must meet the following requirements:**

	- fully explain the essence and content of the subject; - maintain scientificity and logic in presenting the topics in the subject, avoiding scientific errors and confusion; - have a clear idea of the theoretical or practical significance of the subject materials in the subject; - demonstrate the ability to think independently within the scope of the subject; - can answer the questions asked clearly and concisely; - has carefully prepared the outline; - has completed independent assignments completely and clearly; - has fully mastered the laws and other regulatory and legal documents related to the discipline; - has published a scientific article on one of the topics related to the discipline; - can interpret historical processes; **b) To obtain 70-89.9 points, the student's level of knowledge must meet the following requirements:** - understands the essence and content of the subject, does not allow scientific and logical confusion in explaining the topics in the subject; - understands the practical significance of the content of the subject; - performs the assigned tasks and assignments within the framework of the curriculum; - can correctly answer the questions asked in the subject; - has carefully formulated a subject outline; - has fully completed independent assignments in the subject; - has mastered laws and other regulatory documents related to the subject. **c) To obtain 60-69.9 points, the student's level of knowledge must meet the following:** - has a general understanding of the subject; - has some intricacies in covering and presenting the topics in the subject in a narrow scope; - if the presentation is not smooth; - if complex and confusing answers are given to questions on the subject; - if the text on the subject is not well-formed. **d) In the following cases with a score of 0-59.9, the student's level of knowledge may be assessed as unsatisfactory:** - if there is no preparation for the subject exercises; - if there is no idea about the subject exercises; - if it is noticeable that the texts on the subject have been copied from others; - if serious errors and confusions are made in the text on the subject; - if the questions asked about the subject are not answered; - if does not know the subject.
Exam formats	Oral, written, test

Means used	Complete subject assignments and successfully pass current, midterm, and final tests.
List of educational literature	1. Adrian C. Newton. An Introduction to the Green Economy: 1st Edition. Routledge, 2014. - 382 p. 2. Greening the Global Economy (Boston Review Originals) Hardcover – November 13, 2015. - 176 p. 3. Miriam Kenne, Michelle Gale De Oliveira. Greening the Global Economy: Reform and Transformation. The Green Economics Institute, 2013. - 350 p. 4. Sevil Acar, Erinc Yeldan. Handbook of Green Economics: 1st Edition 2019. - 250p. Vakhabov, A.V., Khajibakiyev, Sh.X., et al. (2020). Green Economy: Textbook. Tashkent: Universitet. – 262 pp. Ergashev, A.E., et al. (2016). Sustainable Development and Fundamentals of Natural Science: Textbook. Tashkent: Baktria Press. – 296 pp.
Editors	S.N. Khamrayeva – Head of the Department of "Innovative Economy," Qarshi State Technical University; Doctor of Economics, Professor. E.I. Ergashev – Professor, Tashkent State University of Economics; Doctor of Economics.
Confirmed place and time	Developed and approved by Karshi State Technical University (Report No. 1, 26.08.2025)