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

ENVIRONMENT - ENVIRONMENTAL PROTECTION AND GREEN DEVELOPMENT

MODULE GUIDE

Field of knowledge:	400000 –	Business, Management and Law
Field of education:	410000 –	Business and management
Field of study:	60410100 –	Economy

Module links

Module title:	Environmental protection and green development
Code (if applicable)	AMQYR2705
Courses (if applicable)	4
Module teaching semesters	7
Language	Uzbek
Curriculum relevance	Selective
Type of Instruction, Contact Hours	Lecture, practical
Workload	Total workload: 150 hours. Auditory hours: 90 hours; lecture: 30 hours, practical lessons: 30 hours; Self- study: 90 hours
Credit points:	5
Recommended previous subjects	Chemistry, Physics, Economics

Module objectives / expected learning outcomes	• To teach students important issues of environmental protection, the consequences of the disruption of the balance of interaction between nature and society, the preservation of air, water, soil, flora and fauna, and ways to rationally use other natural resources. To teach current environmental problems and the role of green development in their solution, the importance and advantages of using renewable energy sources in the national economy, environmental safety, issues related to improving the environmental management system, and increasing the efficiency of using natural resources. • to explain the laws of current environmental crises, local negative environmental consequences, climate change, potential environmental hazards, environmental protection legislation, the theoretical foundations of environmental problems, to provide knowledge about the laws and principles that determine the life of ecosystems. • to provide concepts about ecology as a whole of nature and society, the negative impact of anthropogenic factors on the biosphere, and issues of nature protection. Predicting and preventing environmental hazards. Provides contemporary knowledge about the importance of preserving the purity of land, water, and air, preventing the extinction of plants and animals, and achieving sustainable development. Provides knowledge about the stages of development of ecology, its history, the role of Central Asian scientists, and ecological methods.
Content	. One of the important basic disciplines of ecology, it studies the scientific foundations of ecological systems, natural resources and environmental services that ensure the continuous and balanced course of natural processes. This subject is a fundamental science that allows students to analyze the material, biological and ecological foundations of the biosphere
Study and exam requirements	**a) To obtain a score of 90-100 points, the student's knowledge level must meet the following:** **can fully explain the essence and content of the subject;** **- maintains scientificity and logic in presenting the topics in the subject, avoiding 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 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; - if he/she has carefully formulated the subject outline; - if he/she has fully completed independent assignments in the subject; - if he/she has mastered the laws and other regulatory documents related to the subject. **c) To obtain a score of 60-69.9, the student's knowledge level must meet the following:** - has a general understanding of the subject; - covers the subject topics in a narrow scope and makes some inconsistencies in the presentation; - the presentation is not fluent; - gives complex and confusing answers to questions on the subject; - the text on the subject is not well-structured. **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 subject texts have been copied from others; - if there are serious errors and confusions in the subject text; - if the questions asked about the subject are not answered; - if the subject is not known.
Exam formats	Oral, written, test
Assessment Tools / Methods	Complete subject assignments and successfully pass current, intermediate, and final tests.
List of References	1. Ergashev A., et al. Fundamentals of sustainable development and natural science. T. Baktria press, 2016.

	2. Ergashev A., Ergashev T. "Ecology, Biosphere, and Nature Protection" textbook. – Tashkent, 2005. 3. Nigmatov A., et al. Ecological aspects of sustainable development. T. 2006 4. Nigmatov A., Pardayev G. Ecological safety and sustainable development. Handbook for additional education 5. From ecological education to sustainable development education. Under the general editorship of A.N. Nigmatov// Handbook: - T., Talgin, 2007. 6. Tursunov Kh.T. Ecology and sustainable development.-T., 2009. Additional literature 1. Mirziyoyev Sh.M. We will build our great future together with our brave and noble people. Tashkent, Uzbekistan Publishing House, 2017. 2. Mirziyoyev Sh.M. Together we will build a free and prosperous, democratic state of Uzbekistan. Tashkent, Uzbekistan Publishing House, 2016. 3. Resolution of the Cabinet of Ministers of the Republic of Uzbekistan: On measures to implement national goals and objectives in the field of sustainable development for the period up to 2030. Tashkent, October 20, 2018, No. 841. 4. Karimov I.A. Uzbekistan on the threshold of the 21st century: security challenges, conditions for stability and guarantees of development. T., "Uzbekistan", 1997. 5. Tursunov Kh.T., Rakhimova T.U. Ecology. Textbook. Tashkent. 2006. 6. Ergashev A.E., Sheraliyev A.Sh., Suvonov Kh.A., Ergashev T.A. "Ecology and Nature Protection" textbook. – Tashkent. Science, 2009 Internet sites 1. www.ziyonet.uz 2. www.uznature.uz 3. www.econdustry.ru 4. www.biodat.ru 5. www.zelmir.org
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