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" 03 2025

FOOD SAFETY

MODULE GUIDE

Field of knowledge: 400000 - Business, management and law
Field of education: 41000 - Business and management
Direction of education: 60410100 - Economics

Module links

Module name:	The Food safety
Code (if applicable)	FS2405
Courses (if applicable)	2 (Bachelor)
Module teaching semesters	7
Language	Uzbek
Curriculum relevance	Elective
Type of teaching, contact hours	Lecture, practical.
Workload	Total workload: 150 hours, Auditory hours: 60 hours; Lecture: 30 hours, Practical: 60 hours, Self-study: 90 hours
Credit points:	5
Recommended previous subjects	Theory of Economic,Environmental Economics,Agricultural Economics

Module objectives / expected learning outcomes	To teach students the economic and theoretical foundations of food security, introduce its key concepts, categories, laws, and principles, and develop the skills necessary to apply this knowledge in practice. The module enables students to: • understand and interpret economic terms, concepts, and theories related to food security; • use and analyze key economic and statistical indicators (FSI index, production volume, consumption norms, etc.); • apply economic analytical tools relevant to food security; • express scientific and practical ideas clearly and logically in written form; • incorporate food security–related economic concepts into existing research and draw practical conclusions from them. **Expected Learning Outcomes of the Module** **1. Theoretical Knowledge and Concepts** Students will acquire a deep understanding of the essence of food security, its core concepts, principles (availability, accessibility, stability, quality and safety), and economic categories. They will learn to correctly use economic and food security terminology and develop the ability to interpret theoretical processes. **2. Analytical Skills** Students will learn to analyze processes using key economic and food security indicators. They will gain the ability to logically interpret, compare, and draw scientific conclusions from data related to food production, supply chains, import–export dynamics, and consumption statistics. **3. Use of Research and Analytical Tools** Students will learn to work with graphs, tables, and statistical data. They will be able to apply economic models commonly used in food security analysis (balancing models, demand–supply balance, risk analysis, etc.) to practical situations. **4. Communication and Expression Skills** Students will be able to present scientific ideas related to food security clearly, logically, and coherently in both written and oral forms. They will develop the ability to use academic language appropriately, justify opinions, and construct analytical arguments. **5. Practical Application and Implementation** Students will be capable of applying food security concepts to solve real economic problems. They will be able to derive practical conclusions based on existing economic and agricultural research, international experience, and statistical data, and effectively use these insights in analytical processes.
Content	This course is one of the fundamental areas that plays an important role in the modern and innovative development of the economy and is considered a core economic discipline taught at the bachelor's/master's level. The purpose of the course "Digital Economy" is to develop in students a

	systematic body of knowledge and skills related to the theoretical foundations of economic digitalization, mechanisms of introducing digital technologies into the economy, digital transformation, data management, electronic services, and the role of the digital economy in governance.
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 the subject 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	• Q. Usmonov, R. Qodirov. Fundamentals of Food Security. – Tashkent, 2020. • M. Jo'rayev, A. Hamroyev. *Agro-Industrial Complex and Food Security*. – Tashkent, 2019. • TSUE Study Manual: *Food Security and Agribusiness Management*. – 2021.
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Confirmed place and time	Developed and approved by Karshi State Technical University (Report No. 1, 26.08.2025)