REPUBLIC OF UZBEKISTAN

MINISTRY OF HIGHER EDUCATION, SCIENCE AND INNOVATIONS

KARSHI STATE TECHNICAL UNIVERSITY

"APPROVED"
Rector _____ Sh.Q. Nematov
12 08 2025

DIGITAL ECONOMY
MODULE GUIDE

Field of Knowledge:	300000 – Social Sciences, Journalism, and Information
Education Field:	310000 – Social and Behavioral Sciences
Master's Specializations:	70310102 – Economics (by sectors and industries)
	70310301 – Regional Economics

Module links

Module name:	Transport economics
Code (if applicable)	RI2
Courses (if applicable)	2
Module teaching semesters	4
Language	Uzbek
Curriculum relevance	Optional
Type of teaching, contact hours	Lecture, laboratory.
Workload	Total workload: 150 hours, Auditory hours: 60 hours; Lecture: 30 hours, laboratory: 30 hours, Self-study: 90 hours
Credit points:	5
Recommended previous subjects	Regional Economics, Regional Development Strategy

Module Objectives / Expected Learning Outcomes	The module aims to teach students the theoretical foundations of the digital economy, key concepts and categories, digital technologies, digital transformations across all sectors of industry, digital platforms, e-business, and e-commerce, as well as to develop their ability to apply these in practice. It emphasizes ensuring and advancing the activities of society, the state, individuals, and economic agents within rapidly developing digital economy processes, determining development prospects, digitalizing production processes across various sectors and industries, implementing electronic document flow in government bodies and other organizations, and using e-commerce systems to provide services to individuals and legal entities. Additionally, the module focuses on developing digital economic activities across sectors and industries through the application of digital economy technologies, digitalizing business processes, establishing digital economy infrastructure, and ensuring information security, highlighting the particular importance of teaching the subject **"Digital Economy."**

Content	This course is aimed at studying digital technologies, information and communication tools, and their impact on economic processes. It introduces students to the theoretical and practical foundations of the digital economy, and also develops skills in enhancing economic efficiency, promoting innovative activities, and managing digital transformation through the use of digital technologies.
Study and Examination Requirements	**a) To achieve 90–100 points, a student's knowledge level must meet the following criteria:** • Fully explains the essence and content of the subject; • Presents topics scientifically and logically, without errors or inconsistencies; • Has a clear understanding of the theoretical and practical significance of the subject materials; • Demonstrates independent and critical thinking within the subject; • Answers questions accurately and concisely; • Has a well-prepared set of notes; • Completes independent tasks fully and accurately; • Thoroughly masters relevant laws and other normative-legal documents; • Publishes a scientific article on one of the subject topics; • Can explain historical processes related to the subject. **b) To achieve 70–89.9 points, a student's knowledge level must meet the following criteria:** • Understands the essence and content of the subject and presents topics scientifically and logically, without inconsistencies; • Understands the practical significance of the subject content; • Completes assigned tasks within the study program; • Answers assigned questions correctly; • Has well-organized notes; • Completes independent assignments fully; • Masters relevant laws and other normative documents. **c) To achieve 60–69.9 points, a student's knowledge level must meet the following criteria:** • Has a general understanding of the subject; • Presents topics in a limited scope and may have some inconsistencies; • Presentation is not entirely fluent; • Provides incomplete or unclear answers to questions;

	• Notes are not thoroughly organized. **d) A score of 0–59.9 points indicates insufficient knowledge if the student:** • Is unprepared for classes; • Has no understanding of class materials; • Copies texts from others; • Makes serious errors or inconsistencies in the materials; • Fails to answer questions; • Does not know the subject.
Examination forms	Orally, written form, test
Used tools	Completion of subject-related assignments and successful passing of ongoing, intermediate, and final assessments.
References	1/ Makarov A.Yu., Makarov A.A. *Sifrovaya ekonomika. Tekhnologiya menyedzhment. Praktika vnedreniya i rezultat* [Digital Economy: Technology Management. Implementation Practice and Results]: Textbook / A.Yu. Makarov. Moscow: SOLON-Press, 2021. — 160 p. ISBN 978-5-91359-437-2. 2/Lapidus L.V. *Digital Economy* (in English): Textbook for Bachelors and Masters in "Economics" and "Management". Moscow: RUT (MIIT), 2018. — 42 p. 3/S.S. G'ulomov, O.M. Abdullayev, R. Ayupov. *Raqamli iqtisodiyot (kriptovalyuta va blokcheyn)* [Digital Economy: Cryptocurrency and Blockchain]. Tashkent: Moliya, 2020. — 354 p. 4/S.S. G'ulomov, R.X. Ergashev, S.N. Xamrayeva. *Raqamli iqtisodiyot* [Digital Economy]. Tashkent: Iqtisodiyot, 2020. 5/R.X. Ergashev, S.N. Xamrayeva. *Raqamli iqtisodiyot* [Digital Economy]. Qarshi: INTELEKT, 2021.
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Approved by / Place and Date:	Developed and approved by **Qarshi State Technical University** (Report №1, 26.08.2025).