REPUBLIC OF UZBEKISTAN

MINISTRY OF HIGHER EDUCATION, SCIENCE AND INNOVATION

KARSHI STATE TECHNICAL UNIVERSITY

"APPROVED"
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_____Sh.K.Nematov
"___" _____ 2025

METHODOLOGY OF SCIENTIFIC RESEARCH MODULE GUIDE

Field of knowledge:	400000 –	Business, management and law
Field of education:	410000 –	Business and management
Direction of education:	70410102 – 70410108-	Economics (by sectors and fields) Regional economics
Field of knowledge:	1000000 –	Services
Field of education:	1010000 –	Services sector
Master's degree specialization	71010401	Logistics (by field of economic activity)

Module links

Module name:	Methodology of scientific research
Code (if applicable)	ITM1105
Courses (if applicable)	1
Module teaching semesters	1
Language	Uzbek
Curriculum relevance	Compulsory
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	Regional economics,Academic skills and professional competence

Module objectives / expected learning outcomes	The course "Research Methodology" presents the main concepts, rules, and principles of scientific research, as well as the essence and regularities of scientific creativity. The program addresses methodological approaches for developing research skills in students and young specialists, enhancing research effectiveness, and correctly documenting the obtained results. At the same time, the course includes the conceptual elements, structure, and foundational concepts and principles of the methodology of scientific knowledge. Particular attention is given to topics aimed at providing students with the necessary knowledge to develop research skills, independently analyze relevant scientific problems, learn modern research methods, and increase the effectiveness of their investigations. The main goal of the course "Research Methodology" is to form an understanding of the essence and principles of scientific research. Objectives of the course: To form an understanding of the specific characteristics of scientific research activities; To systematize knowledge about the principles of conducting scientific research and the main stages of working on them; To provide knowledge of the main principles of scientific referencing and citation; To form an understanding of testing (approbation) a research project and publishing its results; To provide knowledge on preparing, defending, and documenting a master's thesis based on the results of completed research. Using the conceptual foundations and theories presented in this course, students will develop the knowledge, skills, and competencies to design research, develop policies and actions, analyze and evaluate the benefits and limitations of research recommendations, and apply them effectively.
Content	This course is focused on studying the theoretical and practical foundations of scientific research and is typically taught in the first or second year. The course Research Methodology introduces students to the stages of the research process, research methods, and techniques, and serves to develop skills in systematically elaborating and analyzing scientific knowledge.
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. Qobulov, X.A. (2022). Research Methodology: Electronic Textbook. Tashkent: TMI. (This textbook is available in PDF format on the university LMS).

	2. Shermuxamedova, N.A. (2020). Research Methodology (2nd ed.). Tashkent: Innovatsiya-Ziyo. 454 pp. (This textbook is available in PDF format on the university LMS). 3. Qabulov, X.A. (2021). Methodology of Scientific Research: Textbook. Tashkent: SP "Nihol Print". 280 pp. (This textbook is available in PDF format on the university LMS). 4. Dreshchinsky, V.A. (2022). Methodology of Scientific Research: Textbook. Moscow: Yurayt. 274 pp. (This textbook is available in PDF format on the university LMS).
Editors	S.N. Khamrayeva – Head of the Department of Innovative Economics, Karshi 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)