

System of regulatory documents in the construction industry

MODULE HANDBOOK

Field of knowledge:	700000	- Engineering, processing and construction industries
Field of education:	730 000	- Arcitecture and construction
Educational program:	60730300	- Civil Engineering

Module title	<i>System of regulatory documents in the construction industry</i>
Code, if applicable	ARDCIT84
Semester(s) of module teaching	8
Responsible for the module	<i>Abdullayev Ibroxim Numanovich, Department of Civil Engineering, Ph.D., Professor.</i> <i>Yunusaliyev Elmurad Makhammatyakubovich, Department of Civil Engineering, (DSc), Associate Professor.</i> <i>Abdurakhmanov Ulugbek Arabdjon oglu, Department of Civil Engineering, (PhD), Senior Lecturer.</i>
Language of instruction	Uzbek
Connection to the curriculum	Elective
Teaching methods	Lecture, practical training, independent learning.
Study load (incl. contact hours, self-study hours)	<i>Total hours: 120 hour</i> <i>Auditorium hours: 48 hour</i> <i>lecture – 14 hour, practical training – 36 hour, independent learning 72 hour.</i>
Credit units	4
Required and recommended prior knowledge studying the module	<i>Physics, Higher Mathematics, Material Strength, Construction Mechanics and Earthquake Resistance of Structures, Life Safety and Labor Protection, Construction Machinery, Construction Process Technology, Construction Technology of Buildings and Structures, as well as Informatics and Information Technologies, Topographical and Cartographic Drawing, Higher Geodesy, Applied Geography, Cartography, Cadastre of Industrial Buildings, Urban Housing and Public Buildings, and the Use of Computers in the Implementation and Registration of Geodetic Cartographic and Cadastral Projects</i>
Module objectives/intended learning outcomes	<i>The purpose of the module:</i> to form knowledge, skills and qualifications in students in accordance with the profile of the direction on the basic laws and regulations on construction processes and organization, the sequence of execution of the main construction processes, their theoretical foundations, advanced methods of labor organization, in addition, to teach specialists trained at the bachelor's level the rules for fully taking into account the requirements of regulatory documents in the processes of design, construction and operation of buildings and structures and to form the skills to apply them in practice. This includes teaching the methods of independently selecting and applying calculations and estimate documents necessary to meet all requirements in the processes of their restoration and operation, starting from the geological and hydrogeological conditions of the construction site where buildings and structures are being built. To achieve this goal, the subject performs the tasks of forming students with theoretical knowledge, practical skills, a methodological approach to the implementation of construction processes, and a scientific worldview. The following requirements are imposed on students' knowledge, skills, and qualifications in the subject. <i>Student:</i> •The student shall be able to record the technical specifications,

	technical specifications, standards and technological documentation for all open or closed works specified in the project solution and submit them to the construction process documentation in the form of an act. • In this case, the technology of execution of load-bearing structures, enclosing elements of buildings and structures, the fulfillment of the regulatory requirements specified in the project, and the strength indicators of materials, based on technical documentation, in accordance with the construction process, according to the results of laboratory tests.
Content	Module 1. System of regulatory documents in the field of construction Resolutions and decrees of the President of the Republic of Uzbekistan in the field of construction Resolutions and decrees of the Ministry of Construction and Housing and Communal Services of the Republic of Uzbekistan. News in construction legislation Urban development norms and rules. Construction regulations. Loads and impacts. Buildings and structures constructed in areas with heaving and highly heaving soils. Composite reinforcement. Concrete structures with composite polymer reinforcement. System of regulatory documents in the field of construction. Engineering and technical surveys for construction. Module 2. Engineering geological surveys for construction. Engineering ecological surveys for construction. Instructions on the composition, procedure for development, coordination and approval of urban planning documentation for the development and construction planning of territories. Design of construction objects (ShNQ 1.03.03-23). Model project documents (QMQ 1.03.04-22) Module 3. Organization of design and construction of experimental facilities. Instructions on the composition of coordination and approval of urban planning documents on the organization, development and development planning of territories of agricultural enterprises Instructions on the composition of the department of civil protection engineering and technical measures in the master plan of cities and other settlements in the Republic of Uzbekistan, the procedure for development, coordination and approval with relevant departments. The procedure for studying and monitoring the technical condition of buildings and structures. Organization of construction, reconstruction, repair and maintenance of buildings and structures. Fire safety of buildings and structures.
Forms of assessment	oral, presentation, written work, practical assignments, and final exams.
Requirements for study and assessment	To successfully complete the module, the student must attend classes and earn the minimum scores set in the current, midterm, and final assessments.
Bibliography	1. ShNQ 1.02.07-19 Engineering and technical research for construction. Basic rules.

	2. QMQ 1.03.04-22 Model project documentation 3. ShNQ 1.03.05-21 Design and organization of construction of experimental facilities. 4. (ShNQ 1.03.10-19) Instructions on the composition, development procedure for coordination and approval of urban planning documents for the organization, development and development planning of territories of agricultural enterprises. 5. ShNQ 2.03.15-23 Design and construction requirements. 6. ShNQ 1.03.03-23 Design of construction facilities. 7. ShNQ 1.01.01-09 System of regulatory documents in the field of construction. 8. QMQ 1.03.04-22. Sample project documents. 9. ShNQ 1.03.05-21 Design and organization of construction of experimental facilities. 10. ShNQ 4.01.01-20. Estimated normative - system of documents for price formation in construction. 11. Resolutions and decrees of the Ministry of Construction and Housing and Communal Services of the Republic of Uzbekistan.
Reviewers	K.I. Maksimov - Fergana State Technical University, Associate Professor of the Department of "Civil Engineering"; D.T. Abdugarimov - Head of Gulshan LLC