

Construction organization and planning

MODULE HANDBOOK

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

Module title	<i>Construction organization and planning</i>
Code, (if applicable)	<i>CPMET86</i>
Semester(s) of module teaching	<i>8</i>
Responsible for the module	<i>Abdullayev Ibroxim Numanovich, Department of Civil Engineering, t.f.n., professor. Yunusaliyev Elmurad Maxammatyakubovich, Department of Civil Engineering, (DSc), associate professor. Abduraxmanov Ulug'bek Arabdjon o'g'li, Department of Civil Engineering, (PhD), head teacher.</i>
Language of instruction	<i>Uzbek</i>
Connection to the curriculum	<i>Elective</i>
Teaching methods	<i>Lecture, practical training, independent learning.</i>
Study load (incl. contact hours, self-study hours)	<i>Total hours: 180 hour Auditorium hours: 72 hour lecture – 22 hour, practical training – 50 hour, independent learning 108 hour.</i>
Credit units	<i>6</i>
Required and recommended prior knowledge for studying the module	<i>Physics, Higher Mathematics, Strength of Materials, Structural Mechanics and Earthquake Resistance of Structures, Life Safety and Labor Protection, Construction Machinery, Construction Process Technology, Building and Structure Construction Technology, etc..</i>
Module objectives/intended learning outcomes	<i>The purpose of the module: to form knowledge, skills and qualifications in students in accordance with the profile of the direction in the basic laws and regulations on the organization of construction and their economics, the sequence of execution of the main construction processes, their theoretical foundations, advanced methods of labor organization. This includes teaching the methods of independently selecting and applying economic calculations and estimate documents necessary to meet all the requirements in the processes of their restoration and use, starting from the geological and hydrogeological conditions of the construction site where buildings and structures are being constructed. To achieve this goal, this subject performs the tasks of forming students' theoretical knowledge, practical skills, an economic approach to the organization of construction, and a scientific worldview.</i> <i>The following requirements are set for the knowledge, skills, and qualifications of students in the subject.</i> <i>Student:</i> <i>• The student will be able to determine the composition of work operations, select the method of organization and execution of the necessary technical means (including the use of computer technology), develop technological maps for organization, determine the labor intensity of the construction economy and the required amount of workers, machines, mechanisms, materials, semi-finished products and equipment</i> <i>• be able to accept completed work, measure the volume of work, control its quality, draw up a calendar plan for individual types of construction and installation work, and implement alternative methods of organizing construction in accordance with individual and complex types of work</i>

	• Must have sufficient skills in drawing up a construction and installation work project (IBL), a construction organization project (QTEL), and construction management economics.
Content	Module 1. Issues of capital construction. Basic principles of modern construction. Basic conditions for the preparation and organization of construction work. Construction management Information is the basis of management Practical (operational) production management Planning, management and organization of the municipal economy The essence, structure and main directions of capital funds Fixed and circulating funds. Module 2. Price formation and estimate work. Cost of construction and installation works. Main directions of cost reduction. Free enterprise system. Economic system Consumer in the economy. The importance of advertising Demand, supply, market price. Module 3. Financing entrepreneurship in construction Balance sheet of joint-stock companies Types of competition and their analysis. Production and marketing Accounting calculations Classification of economic assets Cost of construction and installation works Free entrepreneurship system
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. M.M.Mirahmedov. X.I.Yusupov Construction organization and planning. Tashkent 2022 2. Yunusaliyev E.M. Organization, planning, management and economics of urban construction and economy. Fergana 2020Yunusaliyev E.M. Qurilishni tashkil etish va rejalashtirish Farg'ona 2023 yil 3. I.N.Abdullayev Construction Process Technology Fergana 2023 4. P.P. Oleynik Organization of construction production during engineering preparation of the construction site. Methodological manual 2018 5. N.A. Ponyavina, D.I. Emelyanov Technology and organization of construction production. 2021 6. O. Husankhodjayev, I. Akhmedov, Sh. Baymatov. "Organization and planning of hydraulic engineering construction" textbook. Tashkent, TACI 2018M.Y. 7. Siddikov. Construction organization and planning. Textbook. Tashkent "Mehr-nuri Publishing House" 2024 8. B.I.Mutalova. Organization, planning, management and

	<i>economics of urban development. Textbook. Tashkent – 2019</i> 9. O.Sh. Mamanazarov. “Management in Construction” textbook, part 1. Tashkent, 2019 10. O.Sh. Mamanazarov. “Management in Construction” textbook, part 2. Tashkent, 2019
Reviewers	<i>K.I.Maxsimov - Fergana State Technical University, Associate Professor of the Department of Civil Engineering”;</i> <i>D.T. Abdukarimov – Head of Gulshan LLC</i>