

REPUBLIC OF UZBEKISTAN
MINISTRY OF HIGHER EDUCATION, SCIENCE AND INNOVATIONS
FERGANA STATE TECHNICAL UNIVERSITY

Construction processes technology
MODULE HANDBOOK

Field of Knowledge :	700000	- Engineering, machining and construction industries
Field of education:	730,000	- Architecture and construction
Education program :	60730300	- Civil Engineering

Module title	Construction processes technology
Code (if available)	TCPT56
Semester(s) of module teaching	5
Responsible for the module	Abdullaev Ibrahim Numanovich , Construction engineering head of department , tel ., professor. Yunusaliyev Elmurad Makhammatyakubovich , Construction engineering Department , (DSc), Associate Professor . Abdurakhmanov Ulugbek Arabdzhan son Construction engineering Department , (PhD), senior teacher
Language of instruction	Uzbek
Connection to the curriculum	Elective
Teaching methods	Lecture , practical training , independent education .
Study load (including classroom and independent study hours)	Total hours : 180 hours Auditorium Hours : 72 hours Lecture – 30 hours , practical training – 42 hours , independent 108 hours of training .
Credit units	6
Required and recommended prior knowledge for studying the module	Physics , Higher Mathematics , Materials resistance , Construction mechanics and buildings earthquake resistance , Life activity safety and labor Security , Construction machines and etc.
Module objectives/intended learning outcomes	The purpose of the module: to teach specialists trained at the bachelor's level the rules for fully taking into account the requirements of regulatory documents in the design, construction and operation of buildings and structures, and to develop skills in their practical application. To achieve the above goal, the subject fulfills the tasks of providing students with theoretical knowledge, practical skills, a methodological approach to the implementation of construction processes , and the formation of a scientific worldview. The following requirements are imposed on the knowledge, skills and qualifications of students in the subject. The student: • The student will be able to determine the composition of construction processes, select the method of performing construction processes and necessary technical means (including the use of computer technology), develop technological maps of construction processes, determine the labor intensity of construction processes and the required amount of workers, machines, mechanisms, materials, semi-finished products and equipment. • To be able to issue production orders to teams (workers), measure the volume of work, accept completed work, control its quality, draw up a calendar plan for individual types of construction and installation work, and implement alternative methods of constructing buildings and structures in accordance with individual and complex types of work. • Must have the skills to prepare a construction and installation work project (IBL).
Content	Module 1. Construction processes technology according to main concepts Theoretical science training content . Construction processes technology according to main concepts and rules .

	Construction technologies design Construction of the area engineering readiness To the ground processing to give technology Labor expenses calculation and work to perform graph to compose Construction processes for technological maps to compile . Module 2. Monolith concrete and reinforced concrete technology . Constructions concreting . Foundations build technology . Bricklaying technology Construction constructions assembly technology main principles . Montage cranes and mechanisms . Itself walking arrow-shaped cranes . Tower crane cranes . Special cranes and mechanisms . Module 3. Coating their work done increase technology Protection coatings build to grow technology Makeup coatings their work to perform technology Surfaces paving processes technology Surfaces painting and glue technology Floor coverings build technology
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 achieve the minimum scores set in the current, midterm, and final assessments.
Bibliography	1. Abdullayev I.N. Qurilish mashinalari. Qurilish jarayonlari texnologiyasi. 2chi qism. Fargona, 2021yil. 2. Yunusaliyev E.M. Qurilishni tashkil etish va rejalashtirish Farg'ona 2023y 3. I.N.Abdullayev Qurilish jarayonlari texnologiyasi Farg'ona 2023y 4. X.I. Yusupov, A.M. Ilmuradov, A.M. Raximov va boshqalar. Qurilish jarayonlari texnologiyasi. 1-qism. Darslik. Toshkent "Innovatsiya-Ziyo" 2021 yil 5. X.I.Yusupov, R.A.Norov va boshqalar. Qurilish jarayonlari, bino va inshootlari barpo etish texnologiyasi. 1-qism. Darslik. Toshkent-2019 yil 6. X.I.Yusupov, R.A.Norov va boshqalar. Qurilish jarayonlari, bino va inshootlari barpo etish texnologiyasi. 3-qism. Darslik. Toshkent-2019 yil 7. P.M.Хаджаев. Управление затратами в строительстве: Учебнику Т. ТАСИ. 2022 8. B.I.Mutalova. Shaharlar rivojlanishini tashkillashtirish, rejalash, boshqarish va iqtisodiyoti. O'quv qo'llanma. Toshkent – 2019 yil 9. П.П.Олейник. Организация строительного производства при инженерной подготовке территории строительства. Методическое пособие 2018г. 10. H.A.Понявина, Д.И.Емельянов. Технология и организация строительного производства. 2021г
Reviewers	K.I.Maxsimov - Fergana State Technical University, "Construction Engineering Department associate professor;

	<i>D.T.Abdukarimov – Head of Gulshan LLC</i>
--	--