

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

Materials technological transporter cars and equipment
MODULE HANDBOOK

Field of knowledge :	700000	- Engineering, construction and construction industries
Educational field:	730,000	- Architecture and construction
Education program :	60730300	- Civil Engineering

Module title	Materials technological transporter cars and equipment
Code (if available)	METTM43
Semester(s) of module teaching	4
Responsible for the module	<i>Tojiev Rasuljon Jumaboyevich Technological cars and equipment department , professor Suleymanov Abdurahman Technological cars and equipment chair , large teacher PhD</i>
Language of instruction	<i>Uzbek , English</i>
Connection to the curriculum	<i>Elective</i>
Teaching methods	<i>lecture , practical training , independent education</i>
Study load (including classroom and independent study hours)	<i>Total hours : 90 hours Auditorium Hours : 34 hours Lecture – 14 hours , practical training – 20 hours , independent 56 hours of training .</i>
Credit units	3
Required and recommended prior knowledge for studying the module	<i>Physics , Higher Mathematics , Heat technique</i>
Module objectives/intended learning outcomes	The purpose of the module: to form knowledge, skills and qualifications in students in accordance with the profile of the direction in the types, structure, scope of use, working principle, principles of their calculation and methods of selection in accordance with specific conditions of tools and equipment used in the technological transportation of materials The following requirements are imposed on students' knowledge, skills, and qualifications in science. Student: • Must know machine details, special parts, general structure, operating principles, and areas of application of technological machines and equipment in major industrial enterprises. • The student must be able to calculate the main indicators of machines and equipment; compare work productivity, technical and economic indicators; select the least expensive machines and mechanisms to perform enterprise work; and have the skills to place technological machines in the preparation of projects for the implementation of industrial enterprise work. • The student must be able to perform technical, economic and constructive analysis of manufactured and used industrial machines; use them effectively in specific industrial work conditions; determine rational indicators and operating modes of technological machines; and use construction machines in combination with various loading and unloading machines.

Content	Module 1. Transported materials in enterprises <i>Transporter of materials main Properties of materials . physicist properties of materials mechanic Properties of materials . chemical contents .</i> Module 2. Transporter cars <i>Transporter of cars types about general concepts. Transporter of tools working in the output importance</i> Module 3. Cargo handling machines <i>Cargo handling machines about general information. Pneumatic-tired autoloader. One with a spoon loaders</i> Module 4. Locomotives <i>Liquid small hole and tube through flowing output</i> Module 5. Trucks <i>Car development Stage. Trucks. Special cars. Tracked and wheeled tractors . Wheeled skaters.</i> Module 6. Horizontal and slope in the direction moving continuous freight conveyor machines. <i>Tape conveyors. Belt conveyors calculation. Plated and with a grater conveyors</i> Module 6. Horizontal and slope in the direction moving continuous freight conveyor machines . <i>Tape conveyors. Belt conveyors calculation. Plated and with a grater conveyors</i> Module 7. Suspension and vertical in the direction mobile continuous freight conveyor cars . <i>Suspension conveyors. Suspension rope roads. Bucket conveyors. Elevators</i>
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	15. RJ Tojiev etc. Construction machines . – Textbook . Fergana Alpha print, 2021. – 370 p. 16. Tojiev R.J. Stroitelnye mashiny - Uchebnik. Fergana. Alpha print, 2021. – 382 st 17. G.I. Zubareva Stroitelnye mashiny i oborudovanie: methodicheskie ukazaniya k prakticheskim zanyatiyam. IPTs " Prokrost ", 2018. - 51 p. 18. Shri SM Mahashwari . India. COMPENDIUM OF CONSTRUCTION EQUIPMENT. 2010 19. M.S. KARIMOV, B.S. MIRZAEV, S.T. VAFOEV. STROITELNYE MASHINY. uchebnogo posobiya. Tashkent-2020. 54 st 20. Magomedov Akhmed Dalgatovich , Magomedov Rasul Magomedovich, Aylammatova Dagmara Aylammatovna . Construction машины и Оборудование . UChEBNOE POSOBIE. Makhachkala - 2019. 66 st.
Reviewers	ITKarimov - Fergana state technique University , " Technological cars and equipment " department vvb . professor (DSc);