

APPROVED BY

Head of Department

A.V. Rudachenko (full name)

_____ “ ____ ” 2015

MODULE (COURSE) DESCRIPTION

1. Name of module (course) Professional training in English.
2. Notation (code) in curricula 21.04.01
3. Field (specialty) (primary curriculum) Petroleum Engineering
4. Training profile (specialty, program): Reliability of gas and oil pipelines and storage
5. Qualification (degree): Master
6. Supporting subdivision: Department of Oil and Gas Storage and Transportation of Institute of Natural Resources
7. Professor Saltymakov Maxim, tel. 8-913-800-3862 *E-mail:* saltymakov@tpu.ru
9. Module (course) mastering results: understanding of work execution theory in oil and gas engineering, of process equipment reliability, of fluid mechanics and thermodynamics, production processes control and automation, of resource-saving technologies and environmental protection, of industrial and fire safety.
10. Module (course) contents:
Machines and Equipment of Oil and Gas Industry Facilities, Hydraulics and Oil-and-Gas Hydromechanics, Oil-and-Gas Chemistry, Technology of Metals and Pipeline Construction Materials, Safety of Engineering Processes in Oil and Gas Transportation, Non-Destructive Testing and Diagnostics Pipelines, Corrosion and Corrosion Protection of Gas and Oil, Reliability and Longevity of Machines.
11. Year 5 semester 1, 2 number of credits 6
12. Prerequisites: Foreign Language, Mathematics, Physics, Chemistry, Mechanics
13. Corequisites: Engineering Structures, Construction and Repair of Pump and Compressor Stations, Technical Diagnosis of Pump and Compressor Stations, Hydraulic Machines and Air-Oil Circuit, Gas-Turbine Power Plants.
14. Type of attestation (examination, credit test): credit test

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