

Документ подписан простой электронной подписью
 Информация о владельце:
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 Должность: И.о. декана факультета нефтегазовой инженерии
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Annotation to the work program of the discipline

Namedisciplin	Технология бурения нефтяных и газовых скважин / Oil & Gas Wells Drilling Technology
Summary	Mining and geological conditions for drilling oil and gas wells. Rock cutting tool for drilling. Regularities of rock cutting tool operation. Drill column. Fundamentals of hydraulic calculations in drilling. Spontaneous curvature of wells. The specifics of the technology of various drilling methods. Choice of method and design of drilling modes.
The results of mastering the discipline (module)	applies knowledge of the concept and types of field documentation and the requirements for them; types and requirements for field reporting, main reporting documents, deadlines for submission, algorithms for generating reports; maintain field documentation and reporting; use field databases, geological reports; possesses the skills of maintaining field documentation and reporting. knows normative documents, standards, current instructions, design methods in the oil and gas industry; is able to develop standard design, technological and working documents using computer-aided design of technological processes; owns innovative methods for solving the problems of designing technological and production processes in the oil and gas industry.
labor input,cu.	8
Forms reporting(in cluding semesters)	Graded (grading) Exam,course project
List of main and additionalliterature necessary for mastering the discipline	
Main literature	Ovchinnikov V.P. Technologydrilling oil and gas wells in 5 t.: Textbook. - Tyumen: TyumGTU, 2014. - 2288 p.
Additional	1. Popov A.N., Spivak A.I., Akbulatov T.O. etc. Technology

literature	drilling of oil and gas wells. – M.: Nedra, 2003.-509s. 2. Basarygin Yu.M., Bulatov A.I., Proselkov Yu.M. Technology of drilling oil and gas wells. Textbook - M.: OOO "Nedra-Business Center", 2011. - 679 p. 3. Kalinin A.G., Levitsky A.Z., Nikitin B.A. Technology of drilling exploratory wells for oil and gas. – M.: Nedra, 1998. 4. Ganjumyan R.A., Kalinin A.G., Nikitin B.A. Engineering calculations for drilling deep wells. Reference manual - M.: OAO Publishing House Nedra, 2000. - 498 p. 5. Kalinin A.G., Ganjumyan R.A., Messer A.G. Deep Well Drilling Process Engineer's Handbook. Under total Ed. Doctor of Technical Sciences, Professor Kalinin A.G. M.: LLC "Nedra-Business Center", 2005.
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