

Документ подписан простой электронной подписью

Информация о владельце:

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## Annotation to the work program of the discipline

|                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                                                                   | Основы освоения морских месторождений / Basics of Offshore Fields                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| disciplines                                                            | Development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Summary                                                                | Main coastal elements. Hydrometeorological factors influencing the well construction process. Drilling bases. Transport, installation and operation of drilling bases. Wellhead equipment. Blowout equipment. Fixing wells with an underwater mouth. Maintenance of drilling operations at sea. Features of equipment and operation of wells with an underwater wellhead. Offshore well equipment; surface and underwater operation; collection and preparation of hydrocarbons for transport; designing the development of offshore oil and gas fields under normal conditions in shallow water, great depths, in arctic conditions; scientific and methodological foundations for choosing the optimal shelf development strategy; support services and infrastructure; current tasks and problems in the field of technology and |
| The results of mastering the discipline (module)                       | applies knowledge of basic production processes, representing a single chain of oil and gas technologies;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Labor intensity, cu.                                                   | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Reporting forms (including by semesters)                               | Graded (grading)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>List of basic and additional literature necessary for mastering</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Main literature                                                        | <ol style="list-style-type: none"><li>1. Aizuppe, E.A. Well drilling: textbook / E.A. Aizuppe; Feder. Education Agency, State. educate. institution of higher prof. education "Sam.gos. Tech. Univ. - Samara: Samara State Technical University, 2007. - 124, [1] p.: ill. - Bibliography: p. 123 (9 titles).</li><li>2. Borodavkin P.P. Offshore oil and gas facilities / textbook for universities, in 2 parts. M.: Nedra-Businesscenter LLC, 2006. - 555p.: ill.</li><li>3. Skrypnik S.G. Equipment for drilling oil and gas wells at sea. – M.: Nedra, 1989.</li></ol>                                                                                                                                                                                                                                                          |
| Additional1. literature                                                | <p>Sereda N.G., Soloviev E.M. Drilling of oil and gas wells. – M.: Nedra, 1974. – 456 p.</p> <ol style="list-style-type: none"><li>2. Beisebaev A.M., Tulyakbaev N.T., Fedorov B.V. Well drilling and mining exploration. Textbook. - M.: Nedra, 1990. - 303 p.</li><li>3. Basarygin Yu. M., Bulatov AI, Proselkov Yu. M. Drilling of oil and gas wells: Textbook. M.: Nedra-Businesscenter LLC, 2002.–632p.: ill. Technology of drilling oil and gas wells: Textbook for universities /</li><li>4. A.N. Popov, A.I. Spivak, T.O. Akbulatov and others; Under the general</li></ol>                                                                                                                                                                                                                                                 |