



**Oil and Gas Engineering Academy  
 Training Schedule 2017**

No	Course Title	Duration, days	Instructor(s)	Date
<b>1. Offshore oil and gas engineering</b>				
1	Design and operation of subsea pipelines and subsea systems	5	Alexandr Kopylov, Igor Kantarzhi	07-11 August 2017
2	Offshore oil and gas facilities	5	Andrey Gubaev	24-28 April 2017
3	Concept definition for offshore developments 	3	Stuart Barr/Neil Smith	Q 3
4	Subsea production	5	Evgeny Suchkov, Radik Khalitov	05-09 June 2017
5	Offshore facilities design. Substructures and topsides	5	TBD	Q 4
6	Simulation and forecast of metocean parameters	3	Igor Kantarzhi, Nikolay Diansky	13-17 November 2017
7	Offshore development: environmental considerations in design documentation and review	5	Igor Kantarzhi	September 2017
8	Drilling and workover, offshore Russia	3	Kirill Bogachev	Q 2
9	Well planning and design, offshore Russia	3	Kirill Bogachev	Q 2
10	International standards for casing and tubing design, offshore and onshore	5	Kirill Bogachev	Q 2
11	Design documentation for construction of oil and gas wells, onshore Russia	72 hrs	Group of instructors	TBD
12	Offshore seismic data processing and analysis	5	Valery Gaynanov, Anatoly Starovoytov	Q 3
13	Offshore drilling 	3	Radik Khalitov	Q 4








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<b>2. Geology and petrophysics</b>				
1	Basic well log interpretation	5	TBD	March
2	Advanced well log interpretation	5	Rustam Nuriev, Ekaterina Shevchenko	August
3	Petrophysics (incl. field trip) 	5	TBD	Q 3 or 4
4	Special core analysis 	5	group of instructors	Q 4
5	Production logging for field development control	5	TBD	August
6	Basic geological modeling	5	Alexandr Podnebesnykh	19-23 June 2017
7	Advanced geological modeling	5	Alexandr Podnebesnykh	13-17 November 2017
8	Petroleum Resources Management Petroleum Resources Management System (PRMS)	5	Alexandr Podnebesnykh	25-29 September 2017
9	Basic geological modeling using Petrel software	5	Alexandr Podnebesnykh	TBD
10	Advanced geological modeling using Petrel software	5	Alexandr Podnebesnykh	TBD
11	Reef complexes	3	Timofey Baranov	Q 3
12	Petroleum system modeling for sedimentary basins	5	Sergey Astakhov	TBD
13	Reservoir fluid sampling and PVT analysis	5	Pavel Guzhikov	11-15 September 2017
14	Applied well test design and analysis (oil)	5	Alena Chveleva, Ekaterina Shevchenko	05-09 June 2017
15	Advanced well test design and analysis (oil)	5	Alena Chveleva, Evgeny Pimenov, Ekaterina Shevchenko,	04-08 September 2017
16	Applied well test design and analysis (gas)	5	Alexandr Gorlach	22-26 May 2017
17	Advanced well test design and analysis (gas)	5	group of instructors	16-20 October 2017
18	World's best practices in well testing	5	TBD	TBD
19	World's best practices in well logging	5	TBD	TBD
20	Chemical testing and analysis	5	TBD	TBD


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<b>3. Reservoir engineering</b>				
1	Design documentation and cost prediction for onshore projects	72 hrs	TBD	TBD
2	Basic reservoir simulation: modern approaches to design, application and assessment	5	Vil Syrtlanov	Q 2
3	Advanced reservoir simulation: modern approaches to design, application and assessment	5	Vil Syrtlanov	Q 4
4	Reservoir simulation: modern approach to design, application and assessment (expert level)	5	Vil Syrtlanov	Q 4
5	Integrated Field Development Analysis, Optimisation and Forecasting	5	Instructor from Petex	August 2017
6	Reservoir simulation: practical considerations	5	Alexandr Potapov	Q 3
7	Multidisciplinary approach to reservoir simulation	5	Lilya Kadochnikova, Natalya Yankova	Q 3
8	Monitoring of Reservoir Production and Development (Water Management), Onshore Russia	5	Konstantin Fedorov, Evgeny Ivanov	22-26 May 2017, Q 4
9	Advanced waterflood: reducing water and stimulating production	5	Pavel Bedrikovetsky	TBD
10	Waterflood in carbonate reservoirs	5	Pavel Bedrikovetsky	Q 3
11	Heavy oil waterflooding	5	Pavel Bedrikovetsky	TBD
12	Formation damage in Oil&Gas production (with emphasis on waterflooding and offshore)	5	Pavel Bedrikovetsky	TBD
13	Smart wells	5	TBD	TBD
14	Oil and gas production for non-specialists	3	Instructor from Oilteam Engineering	TBD
15	FDP: global overview	5	TBD	TBD
16	FDP: global overview	3	TBD	TBD
17	Geomechanical modeling	5	Irina Bayuk, Sergey Tikhotsky	August 2017
18	Petrophysics: theory and experimental approach. Effective medium theory	5	Irina Bayuk, Sergey Tikhotsky	TBD
19	Developing oil fields with massive gas caps	5	Vadim Nasyrov	02-04 October 2017









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<b>4. Production technology</b>				
1	Flow assurance in heavy oil production 	5	Aleksandr Voloshin	October 2017
2	Horizontal wells: applicability, construction, completion, productivity & flow rate measurement	4	Kirill Bogachev	TBD
3	Completion and workover supervision, onshore and offshore 	5	Kirill Bogachev	TBD
4	Completion design, onshore and offshore 	5	Kirill Bogachev	TBD
5	Modern oil production technology. Oil and gas facilities fundamentals	5	Gennady Dubinsky	TBD
6	Environment protection in oil and gas industry	3	Tatyana Kremleva	TBD
7	Physical and chemical analysis of rocks and fluids	3	Tatyana Kremleva	Q 3
8	Modern completion practices. Smart well. Horizontal wells	5	Konstantin Rymarenko	11-15 September 2017
9	Sand control	5	TBD	TBD
10	Unconventional hydrocarbons 	5	Konstantin Rymarenko	11-15 December 2017
11	Exploration and production of shale hydrocarbons. Facilities. Canadian experience	5	TBD	TBD
12	Shale gas production. Drilling and completions	5	TBD	TBD
13	Artificial lift	5	Konstantin Rymarenko	16-27 October 2017
14	Operation of ESP-equipped wells (Simulation-enhanced training).	5	Nikolai Kuzmichev, Yuri Vokov, Vasil Fasakhutdinov	TBD
<b>5. Enhanced recovery</b>				
1	Reservoir stimulation: hydraulic fracturing and acidizing	5	Azat Khaidar	Q2, Q 4
2	Hydraulic fracturing design and control	5	Azat Khaidar	23-27 November 2017
3	Multistage hydraulic fracturing 	5	Azat Khaidar	Q 4
4	Hydraulic fracturing quality assurance 	5	Azat Khaidar	Q 4
5	The improvement of gas condensate recovery: theory, design, field cases	5	Pavel Bedrikovetsky	TBD
6	Hydraulic fracturing and EOR. Canadian experience	5	TBD	TBD
7	Enhanced oil recovery: geological and technological aspects	5	Vadim Andreyev, Konstantin Fedorov	Q 3
8	Chemical enhanced oil recovery	5	Tagir Ismagilov	Q 3
9	Oil and gas field development. Enhanced gas condensate recovery	5	TBD	TBD
10	Production cost optimization. Well intervention quality assessment. Developing decision tree for well intervention 	5	Azat Khaidar	Q 4

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<b>6. Oil processing and transport</b>				
1	Crude oil processing. Modern technologies, transport and marketing.	5	TBD	TBD
2	Oil processing technology overview	5	TBD	TBD
3	Oil processing. Strategies, technologies, innovations	5	TBD	TBD
4	Oil and petroleum products market . Marketing and transport	5	TBD	TBD
5	Design, construction and operation of oil and gas pipelines. Low temperatures and pressure changes	5	TBD	TBD
6	Pipeline corrosion protection	5	TBD	TBD
7	Corrosion monitoring and equipment control	5	TBD	TBD
8	Flow assurance 	3	Instructor from Xodus	TBD
<b>7. HSE</b>				
1	Design of oil and gas facilities. HSE aspects	5	TBD	TBD
2	Metrology standards and precision equipment calibration in oil and gas industry	5	TBD	TBD
3	Metrology standards and precision equipment calibration in laboratory	5	TBD	TBD
4	Risk management. Environment protection and industrial safety	2	TBD	TBD
5	Lean production in oil and gas industry	72 hrs	Yuri Makovsky	TBD

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<b>8. Drilling</b>				
1	Deviated wells 	4	Kirill Bogachev	TBD
2	Drilling supervising, onshore and offshore 	3	Kirill Bogachev	TBD
3	Horizontal directional drilling		TBD	TBD
4	Basic drilling for non-professionals	40 hrs	Yuri Makovsky	TBD
5	Drilling, completions and well testing	72 hrs	Yuri Makovsky	TBD
6	Workover operations	72 hrs	Yuri Makovsky	TBD
7	Risk management in well construction	72 hrs	Yuri Makovsky	TBD
8	Drilling and workover supervision	72 hrs	Yuri Makovsky	TBD
9	Underbalanced drilling, tools and technology	24 hrs	Yuri Makovsky	TBD
10	Directional drilling	72 hrs	Yuri Makovsky	TBD
11	Well profile design	72 hrs	Yuri Makovsky	TBD
12	Coiled tubing in drilling and workover	40 hrs	Yuri Makovsky	TBD
13	Telemetry systems in well operations	72 hrs	Yuri Makovsky	TBD
14	Production management	72 hrs	Yuri Makovsky	TBD
15	Drilling with casing	TBD	TBD	TBD
16	Geosteering using Geonft software	4	Instructor from Geosteering Technologies	24-27 April 2017, Q4
17	Drilling supervising	3	Igor Pimenov	TBD
18	New drilling technologies	3	TBD	TBD
<b>9. Professional and personal development</b>				
1	Practical workshop: Advanced strategic analysis 	2	Aleksandr Anisimov	TBD
2	Training workshop: Strategic management in oil and gas business. Theory & practice. 	2	Aleksandr Anisimov	TBD
3	Global and Russian energy industry overview 	1	Aleksandr Anisimov	TBD
4	Practical workshop: Advanced sales management 	2	Aleksandr Anisimov	TBD
5	Training workshop: Project management in petroleum industry 	1	Aleksandr Anisimov	TBD
6	Training workshop: Management 2.0: Theory & practice. 	1	Aleksandr Anisimov	TBD
7	Contracting in oil and gas industry	5	TBD	TBD
8	Excel practical training for oil and gas professionals	3	Lidia Prokhoda-Shumskikh	Q2
9	Outlook practical training for time management	3	Lidia Prokhoda-Shumskikh	Q3
10	Oil trading	3	TBD	TBD
11	Project management and economy in oil and gas industry	3	TBD	TBD
12	Marketing analysis in oil and gas industry	3	TBD	TBD
13	Production management. Personnel management	5	TBD	Q4
14	Business assessment and decision making	72 hrs	Yuri Makovsky	TBD
15	Business sustainability	5	Yulia Volkova	TBD