

**Oil and Gas Engineering Academy
Training Schedule 2018**

No	Course Title	Duration, days	Date
1. Offshore oil and gas engineering			
1	Concept definition for offshore developments	3	July
2	Design and operation of subsea pipelines and subsea systems	5	August
3	International standards for casing and tubing design, offshore and onshore	5	January
4	Offshore developments: environmental considerations in design documentation and review	5	July
5	Offshore drilling and workover	3	March
6	Offshore facilities design. Substructures and topsides	5	December
7	Offshore oil and gas facilities	5	April, October
8	Offshore seismic data processing and analysis	5	April
9	Offshore well planning and design	3	March
10	Simulation and forecast of metocean parameters	3	February
11	Subsea production systems	5	May
2. Geology and petrophysics			
1	Advanced geological modeling	5	November
2	Advanced well log interpretation	5	October
3	Advanced well test design and analysis (gas)	5	October
4	Advanced well test design and analysis (oil)	5	September
5	Applied well test design and analysis (gas)	5	May
6	Applied well test design and analysis (oil)	5	June
7	Basic geological modeling	5	June
8	Basic well log interpretation	5	May, July
9	Chemical testing and analysis	5	March
10	Petroleum Resources Management System (PRMS)	5	August
11	Petrophysics (incl. field trip)	5	all year round
12	Production logging and well monitoring	5	September
13	Reef complexes	3	July
14	Reservoir fluid sampling and PVT analysis	5	September
15	Sedimentary basin modeling	5	July
16	Special core analysis	5	TBD

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3. Reservoir engineering			
1	Advanced reservoir simulation: design, application and assessment	5	June
2	Advanced waterflooding	5	January
3	Basic reservoir simulation: design, application and assessment	5	April, June
4	Design documentation and cost prediction for onshore projects	72 hrs	August
5	Development oil fields with massive gas caps	5	July
6	Effective Reservoir Management	5	April, October
7	FDP: global overview	5	TBD
8	Formation Damage and Productivity Enhancement in Oil & Gas Reservoirs	5	February
9	Formation damage during waterflood, PWRI and EOR	2	February
10	Geomechanical modeling	5	May
11	Heavy oil waterflooding	5	March
12	Integrated Field Development Analysis, Optimisation and Forecasting	5	October
13	Multidisciplinary approach to reservoir simulation	5	July
14	Oil and gas production for non-specialists	3	March
15	Petrophysics: theory and experimental approach. Effective medium theory application	5	June
16	Practical waterflooding	2	January
17	Reservoir simulation: design, application and assessment (expert level)	5	June
18	Reservoir simulation: practical considerations	5	October
19	Smart wells	5	August
20	Waterflood in carbonate reservoirs	5	January

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4. Production technology			
1	Artificial Lift Systems	5	November
2	Completion and workover supervising, onshore and offshore	5	TBD
3	Completion design, onshore and offshore	5	May
4	Exploration and production of shale oil and gas	5	TBD
5	Flow assurance in heavy oil production	5	November
6	Horizontal and multilaterall wells. Well completion. Smart wells	5	October
7	Horizontal wells: applicability, construction, completion, productivity & flow rate measurement	4	October
8	Modern oil production technology. Oil and gas facilities fundamentals	5	August
9	Operation of ESP-equipped wells (Simulation-enhanced training).	5	May
10	Physical and chemical analysis of rocks and fluids	3	September
11	Sand control	5	November
12	Shale gas production. Drilling and completion	5	December
13	Unconventional hydrocarbons	5	December
5. Enhanced recovery			
1	Chemical enhanced oil recovery	5	August
2	Enhanced oil recovery: geological and technological aspects	5	July
3	Hydraulic fracturing design and control	5	July
4	Hydraulic fracturing quality assurance	5	October
5	Multistage hydraulic fracturing	5	October
6	Production cost optimization. Well intervention quality assessment. Developing decision tree for well intervention	5	September
7	Reservoir stimulation: hydraulic fracturing and acidizing	5	May, October
8	The improvement of gas condensate recovery: theory, design, field cases	5	June

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6. Oil processing and transport			
1	Advanced Oil and Gas Treatment	5	August
2	Corrosion monitoring and equipment control	5	September
3	Crude oil processing. Modern technologies, transport and marketing	5	TBD
4	Design, construction and operation of oil and gas pipelines. Low temperatures and pressure changes	5	May
5	Flow assurance	3	November
6	Oil and petroleum products market . Marketing and transport	5	TBD
7	Oil processing technology overview	5	TBD
8	Oil processing. Strategies, technologies, innovations	5	TBD
9	Pipeline corrosion protection	5	September
7. HSE			
1	BOSIET+FOET+HUET (OPITO-approved)		All year round
2	Design of oil and gas facilities. HSE aspects	5	October
3	Environment protection in oil and gas industry	5	December
4	Lean production in oil and gas industry	5	February
5	Offshore oil spill response		All year round
6	Risk management. Environment protection and industrial safety	2	January
8. Technical training			
1	Advanced Automation Control System: Operation and Maintenance	5	March
2	Advanced Maintenance Management	4	February
3	Metrology standards and precision equipment calibration	5	August

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9. Drilling			
1	Basic drilling for non-professionals	4	February
2	Coiled tubing in drilling and workover	4	TBD
3	Deviated well construction	4	July
4	Directional drilling	5	April
5	Drilling and workover supervision	5	June
6	Drilling Fluid Engineering	4	January
7	Drilling supervising	3	TBD
8	Drilling supervising, onshore and offshore	3	September
9	Drilling with casing	5	TBD
10	Drilling, completions and well testing	5	August
11	Extended reach drilling	5	August
12	Geosteering	4	July, December
13	Horizontal directional drilling	5	TBD
14	New drilling technologies	3	October
15	Production management	5	June
16	Risk management in well construction	5	TBD
17	Telemetry systems in well operations	5	April
18	Underbalanced drilling, tools and technology	3	TBD
19	Well profile design	5	TBD
20	Workover operations	5	September
10. Leadership. Personal growth			
1	Business assessment and decision making	5	TBD
2	Business sustainability	5	December
3	Contracting in oil and gas industry	5	May
4	Excel practical training for oil and gas professionals	3	April
5	Global energy industry overview	1	TBD
6	Marketing analysis in oil and gas industry	3	TBD
7	Oil trading	3	January
8	Outlook practical training for time management	3	August
9	Practical workshop: Advanced sales management	2	April
10	Practical workshop: Advanced strategic analysis	2	March
11	Production management. Personnel management	5	November
12	Project management and economy in oil and gas industry	3	TBD
13	Training workshop: Management 2.0: Theory & practice.	1	October
14	Training workshop: Project management in petroleum industry	1	August
15	Training workshop: Strategic management in oil and gas business. Theory & practice.	2	May