

GEOSCIENCES TRAINING COURSES

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GEOSCIENCES COURSES CATALOGUE

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INTRODUCTION

DRILNET is specialized in the technology transfer in the petroleum and para petroleum sector. Our expertise covers all sectors of the oil industry: Oil, Gas and Energy Project Management, Exploration, Production, Development, Refining and Logistics, but also Safety, Maintenance and Management.

Training is the first activity of our company, that has been accredited since 2000 by the French competent bodies as a training center under the number 93 13 0999613. Thus, we are entitled to offer training services: training engineering (training needs audit, training programs creation, manual editing), conventional training presentation (in premises and on site), coaching (on-the-job training), blended learning and e-learning. In addition to this, DRILNET offers the possibility to train your future trainers.

We are recognized worldwide as an expert in this field, as we train the personnel of the biggest international petroleum companies. DRILNET develops drilling training programs and trains engineers and technicians of international companies such as ADCO (UAE), BOUMERDES UNIVRSITY (Algeria), COFOR (France), DELTAWELL (Italy), DIETSMANN (Monaco), DRILLMEC (Iraq, Italy), ENI and ENI CORPORATE UNIVERSITY (UAE, Malaysia, Kazakhstan, Iraq, Italy), FORASOL (France), GAZ DE FRANCE (France), GSP (Romania), GTSC (UAE), HALLIBURTON (Algeria), OMV-PETROM (Romania), PRIDE (France, Kazakhstan), POLITECHNICO (Italy), RST GLOBAL SOLUTIONS (Singapore, Netherlands, UAE), SCHLUMBERGER (France, UK, Algeria), SONATRACH (Algeria), TNK-BP ROSNEFT (Russia), TOTAL (France, Syria) and others.

Through our partnerships and associations we provide all existing certifications: American Safety & Health Institute, AWS, Chartered Institute of Environmental Health, Crane Certification Association of America, Croix Rouge Internationale, Emergency First Response, IADC, IASST, IMI Awards, IOSH Managing Safety, LEEA, MCA, National Safety Council, NEBOSH, NFPA, OPITO, STCW 95, UK Spill, etc.

DRILNET is a proud Member of the Society of Petroleum Engineers, the International Well Control Forum and also the Romanian Association of Drilling Contractors.

The training catalogue represents an assembly of technical guide sheets. The durations and the subjects introduced can be adapted in accordance with the context and the objectives of the client. Depending on your needs, you can choose a course in our training catalogue, and we propose to help you to adapt it in accordance with your objectives and your means.



Since 2009 DRILNET has offered several new training disciplines resulting from the partnership with other training centers.

New areas of training available through our offer in Geosciences Training Courses lean on the experience in this field of our partner that provides expertise to major oil companies worldwide as TOTAL, PERENCO, SHELL, ELF, EXXON, etc. developing an important data centre to provide a relevant response to Clients' needs.

Among the training courses offered:

- Geology
- Reservoir geology
- Reservoir Engineering
- Geophysics
- Petrophysics
- Interpretation software

The following tables list some items of our training courses.

Note that all training courses on basic level could be presented as Introductory Courses in 3 days (instead 5 days for basic course).

Also all the courses here bellow or other disciplines the client may require could be adapted and developed as upgrading advanced training course to answer the clients' specific needs. The duration of such training course could vary from 1 to several weeks or planned out over a period.

In addition to the courses listed hereafter, we propose general training programs. You can obtain the related catalogue upon request.



GEOSCIENCES COURSES

GEOLOGY				
Course Title	Who should attend	Level		Duration
Introduction To Petroleum Geology	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days
Basic Petroleum Geology	 Drilling Engineer / Superintendent / Supervisor 	Basic	x	5 days
Well Site Coology	 Drilling Engineer / Superintendent / Supervisor 	Basic	x	5 days
Well Site Geology	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Quantitative Well Geology	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days
Quantitative wen Geology	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Geochemistry	 Drilling Engineer / Superintendent / Supervisor 	Basic	x	5 days
Geochemistry	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Carbonate Reservoirs	 Drilling Engineer / Superintendent / Supervisor 	Basic	x	5 days
Geology	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Structural Styles In	 Drilling Engineer / Superintendent / Supervisor 	Basic	x	5 days
Petroleum Exploration	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Compressional and	 Drilling Engineer / Superintendent / Supervisor 	Basic	x	5 days
Transpressional Structural Styles Analysis	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Deep Water Turbidite Depositional Structural	 Drilling Engineer / Superintendent / Supervisor 	Basic	x	5 days
Styles Geology	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Development Geology	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days



GEOLOGY				
Course Title	Who should attend	Level		Duration
	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Mapping Subsurface	 Drilling Engineer / Superintendent / Supervisor 	Basic	х	5 days
Structures	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Operations Geology	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days
(Mud Logging)	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Production Geology For	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days
Other Disciplines	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Sandstone Reservoirs	 Drilling Engineer / Superintendent / Supervisor 	Basic	x	5 days
	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days

RESERVOIR ENGINEERING				
Course Title	Who should attend	Level		Duration
Introduction to Reservoir engineering	 Drilling Engineer / Superintendent / Supervisor 	Basic	x	5 days
Basic Reservoir simulation	 Drilling Engineer / Superintendent / Supervisor 	Basic	x	5 days
Gas reservoir management	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days
Sas reservoir management	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Horizontal and multilateral wells: analysis and design	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days



RESERVOIR ENGINEERING				
Course Title	Who should attend	Level		Duration
	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	х	10 days
Integrated reservoir	 Drilling Engineer / Superintendent / Supervisor 	Basic	х	5 days
modeling	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Naturally fractured reservoirs: geologic and	 Drilling Engineer / Superintendent / Supervisor 	Basic	x	5 days
engineering analysis	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
New opportunities in old	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days
fields	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Oil and gas reserves	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days
evaluation	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Oil recovery enhancement	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days
techniques	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Reservoir characterization:	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days
a multi-disciplinary team approach	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Poservoir fluid proportion	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days
Reservoir fluid properties	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Reservoir engineering for	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days
other disciplines	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days



RESERVOIR ENGINEERING				
Course Title	Who should attend	Level		Duration
Reservoir management	Drilling Engineer / Superintendent / Supervisor	Basic	x	5 days
Reservoir management	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Reservoir simulation	 Drilling Engineer / Superintendent / Supervisor 	Basic	х	5 days
strategies	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Waterflooding A to Z	 Drilling Engineer / Superintendent / Supervisor 	Basic	x	5 days
	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days
Well test design and	 Drilling Engineer / Superintendent / Supervisor 	Basic	x	5 days
analysis	Reservoir & Production Engineer / Geologist / Completion Engineer	Advanced	x	10 days

RESERVOIR GEOLOGY					
Course Title	Who should attend	Duration			
Reservoir Characterization	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	5 days			
Reservoir Characterization from Seismic to Production and Original Hydrocarbons In Place	 Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer 	10 days			
Reservoir Characterization from Seismic to Production and Logging interpretation	 Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer 	10 days			
3D geological Model	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	10 days			
Reservoir for Petroleum Engineers	 Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer 	5 days			



GEOPHYSICS					
Course Title	Who should attend	Duration			
Basic Geophysics	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	5 days			
Introduction to Seismic Stratigraphy	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	5 days			
Stratigraphy and basin analysis	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	5 days			
Seismic acquisition and processing	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	5 days			
Seismic imaging of subsurface geology	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	5 days			
2D / 3D seismic interpretation	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3/5/10 days*			

* According to the level

PETROPHYSICS				
Course Title	Who should attend	Duration		
Applied rock mechanics	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3/5/10 days*		
Capillarity in rocks	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3/5/10 days*		
Coring and core analysis	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3/5/10 days*		
Foundations of Petrophysics	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3/5/10 days*		
Integration of rock, log and test data	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3/5/10 days*		
Structural and stratigraphic interpretation of dipmeters and borehole imaging logs	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3/5/10 days*		
Well log interpretation	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3/5/10 days*		



PETROPHYSICS				
Course Title	Who should attend	Duration		
Applied rock mechanics	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3/5/10 days*		
Wireline formation testing and interpretation	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3/5/10 days*		

INTERPRETATION SOFTWARE				
Course Title	Who should attend	Duration		
Log scanning and vectorizing using Neuralog	 Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer 	3 days		
Seismic scanning and vectorizing using Sphynx	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	5 days		
Well data management in Geolog6	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3 days		
Geosciences data base organization – Introduction (3 days) and coaching	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3 days		
Introduction to Well log quantitative evaluation on Geolog6	 Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer 	3 days		
Advanced well log interpretation on Geolog6	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3 days		
Seismic / Petrophysics on Geolog6	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3 days		
2D seismic data QC and interpretation on Kingdom suite	 Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer 	3/5/10 days*		
3D seismic data QC and interpretation on Kingdom Suite	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3/5/10 days*		



INTERPRETATION SOFTWARE				
Course Title	Who should attend	Duration		
3D modeling	Drilling Engineer/Petroleum Engineer/Production Supervisor & Engineer	3/5/10 days*		

* According to the training level.

Software resources: GEOLOG6 / SURFER / GEOTOP / KINGDOM / GOCAD / SOFT de VECTORISATION