



**LIST OF ALL LASER ENGINEERING SHORT COURSES (IN-HOUSE & VIRTUAL TRAINING)**

S/N	TITLE OF COURSES	IN-HOUSE TRAINING	VIRTUAL TRAINING	SOFTWARE	STATUS OF TRAINING
<b>INTRODUCTORY AND MULTIDISCIPLINARY COURSES</b>					
1.	Introduction to Petroleum Industry	N350,000	N250,000	N/A	In-house/Virtual Learning
2.	Petroleum Exploration & Production	N400,000	N300,000	N/A	In-house/Virtual Learning
3.	Basic Petroleum Technology	N400,000	N300,000	N/A	In-house/Virtual Learning
4.	Basic Petroleum Engineering	N400,000	N300,000	N/A	In-house/Virtual Learning
5.	Field Development, Cost Estimation and Optimization	N400,000	N300,000	QUESTOR	In-house/Virtual Learning
6.	Practical Field Development Study (20 Days)	1,200,000	N/A	PETREL, PROSPER, ECLIPSE, MBAL	In-house Learning
7.	Integrated Reservoir Modeling: Integration, Evaluation and Optimization (20 Days)	1,200,000	1,000,000	PETREL, MBAL, PROSPER, ECLIPSE	In-house/Virtual Learning
<b>GEOLOGY</b>					
8.	Introduction to Petroleum Geology	N400,000	N300,000	N/A	In-house/Virtual Learning
9.	Reservoir Geology	N400,000	N300,000	N/A	In-house/Virtual Learning
10.	Structural Geology	N400,000	N300,000	N/A	In-house/Virtual Learning
11.	Petrel Multipoint and Conditional Facies Modeling	N400,000	N300,000	PETREL	In-house/Virtual Learning
12.	Overpressure and Pore Pressure Prediction in Oil and Gas Basins	500,000	N400,000	N/A	In-house/Virtual Learning
13.	Concepts In Static Modeling	N400,000	N300,000	PETREL	In-house/Virtual Learning
14.	Static Reservoir Modeling	N500,000	N400,000	PETREL	In-house/Virtual Learning
15.	Geostastical Reservoir Modeling: Standard Approaches & Best Practices	N500,000	N400,000	PETREL	In-house/Virtual Learning
16.	Reservoir Characterization and Geological Modeling	N500,000	N400,000	PETREL, HDS	In-house/Virtual Learning
17.	Prospect Evaluation, Risks And Volumes	N400,000	N300,000	N/A	In-house/Virtual Learning
18.	Practical Geological Aspects Of Reservoir Description and Modeling	N500,000	N400,000	PETREL	In-house/Virtual Learning
19.	Deep Water Petroleum System	450,000	N350,000	N/A	In-house/Virtual Learning
20.	Application Of Basin Analysis To Petroleum Play Assessment	N450,000	N350,000	N/A	In-house/Virtual Learning
21.	Sedimentology And Sequence Stratigraphy	N400,000	N300,000	N/A	In-house/Virtual Learning
22.	Clastic Sedimentology for Exploration and Development	N450,000	N350,000	PETREL	In-house/Virtual Learning
23.	Wellsite Geological Operations and Report Writing	N500,000	N400,000	N/A	In-house/Virtual Learning
24.	Basic Gas Chromatography	N450,000	N350,000	N/A	In-house/Virtual Learning

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25.	Advanced Gas Chromatography	N500,000	N400,000	N/A	In-house/Virtual Learning
26.	Applied Petroleum Geochemistry	N600,000	N500,000	N/A	In-house/Virtual Learning
27.	Operation, Troubleshooting and Maintenance of Agilent Gas Chromatographs	N400,000	N300,000	N/A	In-house/Virtual Learning
28.	Mud Logging Operations	N450,000	N350,000	N/A	In-house/Virtual Learning
<b>GEOPHYSICS</b>					
29.	Petrel Fundamentals and Petrel Geophysics	N400,000	N300,000	PETREL	In-house/Virtual Learning
30.	Elements Of Seismic Interpretation	N400,000	N300,000	PETREL GEOGRAPHIX	In-house/Virtual Learning
31.	Seismic Interpretation With Geographix	N500,000	N400,000		In-house/Virtual Learning
32.	Seismic Interpretation With Petrel	N500,000	N400,000	PETREL	In-house/Virtual Learning
33.	Deep Water Seismic Interpretation	N500,000	N400,000	N/A	In-house/Virtual Learning
34.	Fundamentals of Quantitative Seismic Interpretation	N500,000	N400,000	N/A	In-house/Virtual Learning
35.	Seismic Data Acquisition, Processing and Interpretation	N550,000	N450,000	PETREL	In-house/Virtual Learning
<b>PETROPHYSICS</b>					
36.	Petrophysical Analysis with TECHLOG	450,000	N350,000	HDS, PRISM	In-house/Virtual Learning
37.	Applied Core Analysis: How to Interpret Core Data	N500,000	N400,000	N/A	In-house/Virtual Learning
38.	Well Log and Core Data Integration	N450,000	N350,000	MS EXCEL, HDS	In-house/Virtual Learning
39.	Integration of Well Log and Seismic Data	N450,000	N350,000	GEOGRAPHIX	In-house/Virtual Learning
40.	Conventional Special Core Analysis	N500,000	N400,000	N/A	In-house/Virtual Learning
41.	Shaly Sand Analysis	N500,000	N400,000	N/A	In-house/Virtual Learning
42.	Formation Evaluation	N450,000	N350,000	N/A	In-house/Virtual Learning
43.	Practical Wireline Logging for Geoscientists	N450,000	N350,000	N/A	In-house/Virtual Learning
<b>RESERVOIR ENGINEERING</b>					
44.	Basic Thermodynamics	N450,000	N350,000		In-house/Virtual Learning
45.	Fundamentals of Reservoir Engineering	N450,000	N350,000	MBAL, MS EXCEL	In-house/Virtual Learning
46.	Advanced Reservoir Engineering	N450,000	N350,000	MBAL. MS EXCEL	In-house/Virtual Learning
47.	Natural Gas Reservoir Engineering	N450,000	N350,000	N/A	In-house/Virtual Learning
48.	Material Balance Study with MBAL and Decline Curve Analysis	N450,000	N350,000	MBAL. MS EXCEL	In-house/Virtual Learning
49.	Eos: Modeling and Application	N500,000	N400,000	N/A	In-house/Virtual Learning
50.	Introduction to PVT Sampling, Analysis and Modeling	N450,000	N350,000	PVTI	In-house/Virtual Learning
51.	Advanced PVT Sampling, Analysis and Modeling	N500,000	N400,000	PVT PRO + PVTZ	In-house/Virtual Learning
52.	Concepts In Dynamic Modeling	N450,000	N350,000	CMG, ECLIPSE	In-house/Virtual Learning
53.	Dynamic Modeling with Eclipse (Reservoir Simulation)	N500,000	N400,000	ECLIPSE, CMG	In-house/Virtual Learning

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54.	Reservoir Management & Monitoring	N450,000	N350,000	PETREL, MBAL	In-house/Virtual Learning
55.	Flow Assurance Study	N500,000	N400,000	N/A	In-house/Virtual Learning
56.	Compositional Analysis and Crude Oil Fingerprinting using Gas Chromatograph	N600,000	N500,000	N/A	In-house/Virtual Learning
57.	Well Testing Operations	N450,000	N350,000	N/A	In-house/Virtual Learning
58.	Well Test Data Acquisition and Survey	N450,000	N350,000	N/A	In-house/Virtual Learning
59.	Practical Well Test Analysis	N450,000	N350,000	SAPHIR	In-house/Virtual Learning
60.	Horizontal Wells BHP Analysis & Deliverability	N450,000	N350,000	SAPHIR	In-house/Virtual Learning
61.	Theoretical Principles of Crude Oil, Natural Gas and Condensate Reserve Estimation	N450,000	N350,000	N/A	In-house/Virtual Learning
62.	Pvt Properties Of Reservoir Fluids	N450,000	N350,000	N/A	In-house/Virtual Learning
63.	Eclipse Applied Reservoir Simulation	N500,000	N400,000	ECLIPSE	In-house/Virtual Learning
64.	Heavy Oil Reservoirs Sampling, Characterization and Modeling	N450,000	N350,000	N/A	In-house/Virtual Learning
65.	Overview Of Reservoir Management	N450,000	N350,000	N/A	In-house/Virtual Learning
<b>PRODUCTION ENGINEERING</b>					
66.	Fundamentals Of Production Technology	N450,000	N350,000	N/A	In-house/Virtual Learning
67.	Well And Pipeline Multiphase Flow	N450,000	N350,000	N/A	In-house/Virtual Learning
68.	Production Performance Analysis & Optimization using NODAL ANALYSIS	N450,000	N350,000	PROSPER	In-house/Virtual Learning
69.	Well Surveillance: Production Enhancement Procedures	N450,000	N350,000	PROSPER	In-house/Virtual Learning
70.	Basic Artificial Lift Technology	N400,000	N300,000		In-house/Virtual Learning
71.	Gas-Lift Design and Optimization	N450,000	N350,000	PROSPER	In-house/Virtual Learning
72.	Advances In Production Engineering	N450,000	N350,000	PROSPER	In-house/Virtual Learning
73.	Sand Control	N600,000	N500,000	N/A	In-house/Virtual Learning
74.	Formation Damage: Assessment and Mitigation	N450,000	N350,000	N/A	In-house/Virtual Learning
75.	Production Chemistry	N500,000	N400,000	N/A	In-house/Virtual Learning
76.	Hydrocarbon Phase Changes / Basic Production Operations	N400,000	N300,000	N/A	In-house/Virtual Learning
<b>WELL CONSTRUCTION/DRILLING</b>					
77.	Drilling Fluids And Cementing Operations	N450,000	N350,000	N/A	In-house/Virtual Learning
78.	Well Completion and Workover	N450,000	N350,000	N/A	In-house/Virtual Learning
79.	Basic Drilling Technology	N450,000	N350,000	N/A	In-house/Virtual Learning
80.	Drilling Operations Design & Management	N450,000	N350,000	N/A	In-house/Virtual Learning
81.	Drilling Project Management	N450,000	N350,000	N/A	In-house/Virtual Learning
82.	Well Planning and Architecture	N450,000	N350,000	N/A	In-house/Virtual Learning

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83.	Drilling and Completion Equipment and Procedure	N450,000	N350,000	N/A	In-house/Virtual Learning
84.	Drilling Fluids	N450,000	N350,000	N/A	In-house/Virtual Learning
85.	Fundamentals of Slickline Operations	N450,000	N350,000	N/A	In-house/Virtual Learning
86.	Fishing, Perforating and Other Slickline Operations	N450,000	N350,000	N/A	In-house/Virtual Learning
87.	Cement Integrity Assurance and Evaluation	N450,000	N350,000	N/A	In-house/Virtual Learning
<b>SURFACE OPERATIONS</b>					
88.	Separation Processes	N450,000	N350,000	N/A	In-house/Virtual Learning
89.	Physical Recombination of Separator Gas and Oil	N500,000	N400,000	N/A	In-house/Virtual Learning
90.	Field Sampling Techniques, Sample Handling and Storage	N500,000	N400,000	N/A	In-house/Virtual Learning
91.	Gas to Liquid Conversion	N450,000	N350,000	N/A	In-house/Virtual Learning
92.	Oil and Gas Field Processing	N450,000	N350,000	N/A	In-house/Virtual Learning
93.	Surface Well Testing	N500,000	N400,000	N/A	In-house/Virtual Learning
94.	Design, Specification And Maintenance of Process Facilities	N450,000	N350,000	N/A	In-house/Virtual Learning
95.	Pipeline Design, Installation & Construction	N500,000	N400,000	HYSIS, PIPESIM	In-house/Virtual Learning
96.	Surface Production Facility Optimization and Debottlenecking with GAP	500,000	N400,000	GAP	In-house/Virtual Learning
97.	Oil and Gas Gathering Systems and Network Design	500,000	N400,000	N/A	In-house/Virtual Learning
<b>ENVIRONEMENTAL</b>					
98.	Health, Safety and Environment(Technical Aspects)	N350,000	N250,000	N/A	In-house/Virtual Learning
99.	Basic First Aid and CPR (Cardio-Pulmonary Resuscitation)	N350,000	N250,000	N/A	In-house/Virtual Learning
100.	Compressed Air Emergency Breathing System	N350,000	N250,000	N/A	In-house/Virtual Learning
101.	EIA Overview & Processes	N450,000	N350,000	N/A	In-house/Virtual Learning
102.	QA/QC, Data Analysis and Reporting	N450,000	N350,000	N/A	In-house/Virtual Learning
103.	Standard Laboratory Practices and Documentation	450,000	N350,000	N/A	In-house/Virtual Learning
104.	Hazards In Industrial & Chemical Laboratories	N450,000	N350,000	N/A	In-house/Virtual Learning
105.	Process Safety Management	N500,000	N400,000	N/A	In-house/Virtual Learning
106.	Waste Management Techniques	N450,000	N350,000	N/A	In-house/Virtual Learning
107.	Oil Spill Management and Remediation Training	500,000	N400,000	N/A	In-house/Virtual Learning
<b>PETROLEUM BUSINESS/SOFTSKILLS</b>					
108.	Petroleum Economics	N450,000	N350,000	N/A	In-house/Virtual Learning
109.	Risk and Decision Analysis In Petroleum Engineering	N450,000	N350,000	N/A	In-house/Virtual Learning
110.	Effective Communication Skills /Technical Report Writing And Workshop on Presentation Skills	N300,000	N200,000	N/A	In-house/Virtual Learning
111.	Entrepreneurial Development Studies	N400,000	N300,000	N/A	In-house/Virtual Learning
112.	Leadership and Management Skills	N400,000	N300,000	N/A	In-house/Virtual Learning
113.	Computer Fundamentals & Networking (new)	N400,000	N300,000	N/A	In-house/Virtual Learning

114.	TITLE OF COURSES	IN-HOUSE TRAINING	VIRTUAL TRAINING	SOFTWARE	STATUS OF TRAINING
<b>INSTRUMENTATION IN OIL &amp; GAS INDUSTRY</b>					
115.	Instrumentation and Control and Oilfield Utilities	N500,000	N400,000	N/A	In-house/Virtual Learning
116.	Measurement and Control of Pressure	N500,000	N400,000	N/A	In-house/Virtual Learning
117.	Measurement and Control of Liquid Level	N500,000	N400,000	N/A	In-house/Virtual Learning
118.	Measurement and Control of Fluid Flow	N500,000	N400,000	N/A	In-house/Virtual Learning
119.	Measurement and Control of Process Temperature	N500,000	N400,000	N/A	In-house/Virtual Learning

#### NOTE IMPORTANT INFORMATION

- Dates for virtual training is based on requests
- All requests for preferred training should be made atleast a week before a preferred date.
- All intended participants for in-house learning should preview our training calendar for already scheduled dates, though such dates are subject to change. (Check our website to view or download our training calendar) <http://lasergeosciencecentre.com/> and our Online Portal: <http://lasergeoscienceonlineschool.com/>
- All training requests should be made to: [manpower@laser-ng.com](mailto:manpower@laser-ng.com) cc [juliet.emeniru@laser-ng.com](mailto:juliet.emeniru@laser-ng.com), [egberike.stephanie@laser-ng.com](mailto:egberike.stephanie@laser-ng.com)  
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