

2019 UPSTREAM TRAINING PROGRAMS

Including:

- ✓ Geology
- ✓ Geophysics
- ✓ Well Construction/Drilling
- ✓ Petrophysics
- ✓ Reservoir Engineering
- ✓ Production and Completion Engineering



2019 UPSTREAM TRAINING PROGRAMS

Message from the CEO:



MAT Group Ltd. has offered exceptional training programs to assist and enhance technical knowledge and specialized skills set in the oil and gas industry for over a decade. We invite you to take advantage of our 2019 training calendar, to improve and continue to build your company's value and expertise.

Focus of our training guide is on industry needs and existing challenges, and includes the most comprehensive workforce development programs in the oil and gas industry.

MAT Group looks forward to assist with challenges in the industry as a leader of "Workforce Development Solutions". Our consulting team can help you build and implement effective projects, while our specialized training programs improve your team's knowledge to better gain your goals. Please visit our website www.matgroup.org for additional information and contact us training@matgroup.org to discuss inquiries.

Sincerely Yours,
Ali Amidi

CEO, MAT Group Ltd.

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COVER IMAGE:



Iran, Zagros Mountain, Salt Karst

Why MAT Group

MAT Group values its business relationships and constantly strives to improve specialized innovative and essential training and consultations to assist oil and gas experts succeed in these challenging economic times.

Our goal is to constantly offer the highest professional and educational standard of world-class training. MAT Group employees and agents pay attention to detail so that our clients training expectations and needs are continually surpassed. We are able to help companies develop their workforce for future business challenges achieve business goals, enhance effectiveness, achieve compliance, mitigate risk, and improve operations. Since 2007 MAT Group has been focused on consistent, high quality learning and development for the oil and gas industry. We have grown from a hand full of instructors and workbook developers, to a global company with comprehensive learning solutions and workforce development expertise, able to address all segments of the industry-from exploration and production, to processing, pipelines, refining and petrochemicals. Our solutions cover all personnel levels, from geosciences and engineering to operations and craftspeople.

Consulting Solutions:

- ✓ Active Industry Partner
- ✓ Design Technical Courses Based on Your Needs
- ✓ Senior Level Management Training Programs
- ✓ Competence Training Programs
- ✓ Succession Planning
- ✓ Due Diligence Studies
- ✓ Physical Asset Integrity



2019 UPSTREAM TRAINING PROGRAMS



YOUR LOCATION

YOUR TEAM

OUR EXPERTS

Invite MAT Group to Your Company

Do you have a group of individuals that need the same training at the same time? Just send an e-mail to: training@matgroup.org

MAT Group Ltd.
International Training and Consulting Provider

In-house courses allow participants to receive comprehensive training and individualized attention from top international instructors. Excellent solution to training needs with limited budgets. Using our resources, we can develop customized training programs in accordance with your needs while incorporating your company's data into the curriculum. These courses are catered to your internal employees and held anywhere you need training.

In-house training solutions for your organisation

✓ Cost effective ✓ Tailored ✓ Convenient



2019 UPSTREAM TRAINING PROGRAMS

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2019 UPSTREAM TRAINING PROGRAMS

MAT Group Training Services:

MAT Group Training division was established to provide a comprehensive range of upstream and downstream training programs for the petroleum industry, utilizing international experts. We design and present customized training programs according to our customer needs.

- Our 3 & 5 day practical workshop courses deliver specific and compact training programs that result in effective transfer and retention of skill, knowledge and know-how.
- We have offered programs focused on the following objectives:
- Preparing junior engineers for industrial projects
- Specialized engineering codes & standards courses (ASME, API, BS, DIN)
- In-house specialized specific engineering courses
- International industry technology specific courses

We work hard to offer world-class cutting edge superior training services in order to satisfy our clients' needs. Due to this perseverance and dedication it has been possible for us to establish and develop long lasting business relationships with our clients in training and consulting services.

How to Register:

- Online through our website www.matgroup.org
- Faxing your registration to MAT Group office (+9821 88552734)
- Emailing a completed registration form to training@matgroup.org

Course Policy:

- We strongly recommend early enrollment (especially to take advantage of early-bird registration discounts). Confirmation of enrollment will be sent upon receipt of payment.
- Normal course hours are 8:30 to 17 which include coffee breaks and lunch. No photography or recording of course sessions are permitted.

Payment, cancellation and refund policies:

Course fees are due and payable in USD (or other agreed upon currency) upon receipt of invoice. The course fee includes tuition, course material, lunch and daily refreshment. All payments must be received prior to course commencement. Payments are accepted in the form of bank check or bank transfer. Cancellation requests by applicants should be in writing and received 30 days before the commencement of course, for the course fee to be refunded minus registration/administration cost of 200 USD.

Cancellations must be made in writing. No refunds will be made for cancellations received less than 30 days before the start of the course. Enrollment is not automatically cancelled if participant does not show up. A substitute participant may be nominated upon approval of MAT Group. MAT Group reserves the right to withdraw or postpone a course if the number of participants is not sufficient, up to three weeks prior to the course starting date. If a course is cancelled by MAT, you will receive notice by email or fax. A full refund of paid registration fees will be given or can be transferred to another MAT public course within 12 months (date of registration) of equal cost. Please keep our registration and cancellation policies in mind when arranging your travel as MAT Group does not accept liability for any costs incurred for cancellation or change of travel or hotel reservations.

2019 UPSTREAM TRAINING PROGRAMS

Accommodation and Course Venue:

Courses are held at top quality hotels with excellent meeting and training facilities. MAT Group does not usually arrange hotel accommodation for participants; however we may reserve a block of rooms in the scheduled hotels to offer discounted rates for our program participants. Detailed hotel discount information will be provided upon enrollment and final confirmation.

Public Short Courses:

The 2019 - 2020 public courses will mostly be presented in Dubai, Turkey and Iran. We have selected practical industry topics utilizing internationally renowned instructors to share the most recent developments in petroleum science and technology with their extensive experience and expertise.

You will benefit from:

- Small class sizes, enhanced instructor participant communication and dynamic hands-on approaches in practical workshops
- Learn and exchange knowledge with peers within the oil, gas and petroleum community
- Take advantage of industry specific practical cutting edge and present-day technology and know-how

In-house Training:

Requested specific courses and most public courses are also available in-house. Our experienced instructors customize a course exactly to specific training requirements.

Benefits:

- Save travel time and expenses
- Choose expert instructors catered according to specific courses
- Contents are tailored to meet company requirements
- Company specific data and scenarios can be incorporated in exercises

Long Term Training Programs:

Resources are available to develop long term training and technology transfer programs on petroleum-related subjects. Programs are tailored to individual client's needs. By taking account company requirements, objectives, background, expertise and experience, we will design an optimal balance between classroom, workshop and on-the job training program.

Our Instructors:

We work with subject matter professional experts in order to deliver the highest quality trainings. Our seasoned experienced instructors and consultants are active in related committees, professional societies and many teach in reputable world known universities. The biography and teaching resumes of our instructors will be submitted upon our costumers' request.

2019 UPSTREAM TRAINING PROGRAMS

GEOLOGY

No.	COURSE TOPICS	DURATION	VENUE	DATE
01	Basic Petroleum Geology	5 DAY	Tehran	T.B.A
02	Development Geology	5 DAY	Tehran	T.B.A
03	Carbonate Reservoir	5 DAY	Kish Island	T.B.A
04	Integrated Carbonate Reservoir Characterization	5 DAY	Kish Island	T.B.A
05	Mapping Subsurface Structure	5 DAY	Kish Island	T.B.A
06	Naturally Fractured Reservoirs: Geologic and Engineering Analysis	5 DAY	Kish Island	T.B.A
07	Operation Geology	5 DAY	Kish Island	T.B.A
08	Advanced Reservoir Geology	5 DAY	Tehran	T.B.A
09	Applied Subsurface Geological Mapping	5 DAY	Tehran	T.B.A

GEOPHYSICS

No.	COURSE TOPICS	DURATION	VENUE	DATE
10	3D Seismic Attributes for Reservoir Characterization	5 DAY	TEHRAN	T.B.A
11	Advanced Seismic Stratigraphy: A Sequence –Wavelet Analysis Exploration-Exploitation Workshop	5 DAY	KISH ISLAND	T.B.A
12	Applied Seismic Anisotropy for Fractured Reservoir Characterization	5 DAY	KISH ISLAND	T.B.A
13	Basic Geophysics	5 DAY	TEHRAN	T.B.A
14	Introduction to Seismic Stratigraphy: A Basin Scale Regional Exploration Workshop	5 DAY	KISH ISLAND	T.B.A
15	Seismic Acquisition Technology in a Regulatory Era	5 DAY	KISH ISLAND	T.B.A
16	Seismic Imaging of Subsurface Geology	5 DAY	KISH ISLAND	T.B.A
17	Seismic Interpretation	5 DAY	KISH ISLAND	T.B.A
18	Seismic Velocities and Depth Conversion	5 DAY	KISH ISLAND	T.B.A

PETROPHYSICS

No.	COURSE TOPICS	DURATION	VENUE	DATE
19	Applied Rock Mechanics	5 DAY	TEHRAN	T.B.A
20	Capillarity in Rocks	5 DAY	KISH ISLAND	T.B.A
21	Cased Hole Formation Evaluation	5 DAY	KISH ISLAND	T.B.A
22	Coring and Core Analysis	5 DAY	TEHRAN	T.B.A
23	Foundations of Petrophysics	5 DAY	KISH ISLAND	T.B.A
24	Integration of Rocks, Log and Test Data	5 DAY	KISH ISLAND	T.B.A
25	Petrophysics of Unconventional Reservoirs	5 DAY	KISH ISLAND	T.B.A
26	Shaly Sand Petrophysics	5 DAY	KISH ISLAND	T.B.A
27	Structural and Stratigraphic Interpretation of Dipmeters and Borehole-Imaging Logs	5 DAY	KISH ISLAND	T.B.A
28	Well Log Interpretation	5 DAY	TEHRAN	T.B.A
29	Wireline Formation Testing and Interpretation	5 DAY	KISH ISLAND	T.B.A

2019 UPSTREAM TRAINING PROGRAMS

WELL CONSTRUCTION/DRILLING

No.	COURSE TOPICS	DURATION	VENUE	DATE
30	Basic Drilling Technology	5 DAY	TEHRAN	T.B.A
31	Advanced Casing Design	5 DAY	KISH ISLAND	T.B.A
32	Casing and Cementing	5 DAY	KISH ISLAND	T.B.A
33	Cementing Practices-Cementing II	5 DAY	TEHRAN	T.B.A
34	Deepwater Well Engineering	5 DAY	KISH ISLAND	T.B.A
35	Directional, Horizontal, and Multilateral Drilling	5 DAY	KISH ISLAND	T.B.A
36	Drill String Design and Optimization	5 DAY	KISH ISLAND	T.B.A
37	Drilling Fluids Technology	5 DAY	KISH ISLAND	T.B.A
38	Drilling Practices	5 DAY	KISH ISLAND	T.B.A
39	Drilling Performance Analysis	5 DAY	TEHRAN	T.B.A
40	Managing Wellsite Operations	5 DAY	KISH ISLAND	T.B.A
41	Practical Drilling Skills	5 DAY	KISH ISLAND	T.B.A
42	Primary Cementing-Cementing I	5 DAY	KISH ISLAND	T.B.A
43	Well Design and Engineering	5 DAY	TEHRAN	T.B.A

RESERVOIR ENGINEERING

No	COURSE TOPICS	DURATION	VENUE	DATE
44	Applied Reservoir Engineering	5 DAY	TEHRAN	T.B.A
45	Basic Reservoir Engineering	5 DAY	KISH ISLAND	T.B.A
46	Capillarity in Rocks	5 DAY	KISH ISLAND	T.B.A
47	Chemical Enhanced Oil Recovery Fundamentals	5 DAY	TEHRAN	T.B.A
48	Enhanced Oil Recovery Fundamentals	5 DAY	KISH ISLAND	T.B.A
49	Enhanced Oil Recovery with Gas Injection	5 DAY	KISH ISLAND	T.B.A
50	Gas Reservoir Management	5 DAY	KISH ISLAND	T.B.A
51	History Matching and Reservoir Optimization	5 DAY	KISH ISLAND	T.B.A
52	Horizontal and Multilateral Wells: Analysis and Design	5 DAY	KISH ISLAND	T.B.A
53	Integrated Reservoir Modeling	5 DAY	TEHRAN	T.B.A
54	Naturally Fractured Reservoirs: Geologic and Engineering Analysis	5 DAY	KISH ISLAND	T.B.A
55	Oil and Gas Reserves Evaluation	5 DAY	KISH ISLAND	T.B.A
56	Reservoir Fluid Properties: Preparation for Reservoir Engineering and Simulation Studies	5 DAY	KISH ISLAND	T.B.A
57	Reservoir Management	5 DAY	TEHRAN	T.B.A
58	Reservoir Management for Unconventional Reservoirs	5 DAY	TEHRAN	T.B.A
59	Reservoir Modeling of Heavy Oil Resources	5 DAY	TEHRAN	T.B.A
60	Reservoir Simulation Strategies	5 DAY	TEHRAN	T.B.A
61	Water flooding A to Z	5 DAY	TEHRAN	T.B.A.
62	Advanced Well Test Analysis	5 DAY	KISH ISLAND	T.B.A

2019 UPSTREAM TRAINING PROGRAMS

PRODUCTION & COMPLETION ENGINEERING

No.	COURSE TOPICS	DURATION	VENUE	DATE
63	Acidizing Applications in Sandstones and Carbonates	5 DAY	TEHRAN	T.B.A
64	Advanced Hydraulic Fracturing	5 DAY	KISH ISLAND	T.B.A
65	Applied Water Technology in Oil and Gas Production	5 DAY	KISH ISLAND	T.B.A
66	Artificial Lift: Design and Selection	5 DAY	TEHRAN	T.B.A
67	Well Completions and Workovers	5 DAY	KISH ISLAND	T.B.A
68	Downhole Remediation Practices for Mature Oil and Gas Wells	5 DAY	KISH ISLAND	T.B.A
69	Electrical Submersible Pumps	5 DAY	KISH ISLAND	T.B.A
70	Flow Assurance for Offshore Production	5 DAY	KISH ISLAND	T.B.A
71	Formation Damage: Causes, Prevention, and Remediation	5 DAY	KISH ISLAND	T.B.A
72	Advanced Acid Fracturing Design	5 DAY	Istanbul	T.B.A
73	Gas Lift	5 DAY	KISH ISLAND	T.B.A
74	Gas Production Engineering	5 DAY	KISH ISLAND	T.B.A
75	Gas Well Deliquification	5 DAY	KISH ISLAND	T.B.A
76	Horizontal and Multilateral Wells: Completions and Stimulation	5 DAY	TEHRAN	T.B.A
77	Hydraulic Fracturing Applications	5 DAY	TEHRAN	T.B.A
78	Multiphase Flow in Production Operations	5 DAY	TEHRAN	T.B.A
79	Operations and Development of Surface Production Systems	5 DAY	TEHRAN	T.B.A
80	Performance Analysis, Prediction, and Optimization Using	5 DAY	TEHRAN	T.B.A
81	Production Chemistry	5 DAY	KISH ISLAND	T.B.A
82	Production Logging	5 DAY	TEHRAN	T.B.A
83	Production Operations	5 DAY	TEHRAN	T.B.A
84	Sand Control	5 DAY	TEHRAN	T.B.A
85	Surface Production Operations	5 DAY	KISH ISLAND	T.B.A
86	Surface Water Management in Unconventional Resource Plays	5 DAY	KISH ISLAND	T.B.A
87	Well Stimulation	5 DAY	TEHRAN	T.B.A
88	Material Selection and Corrosion Control in Upstream Projects	5 DAY	TEHRAN	T.B.A
89	Wellbore Treatments	5 DAY	KISH ISLAND	T.B.A
90	Well Equipment and Operation for Production Engineers	5 DAY	KISH ISLAND	T.B.A
91	Flow Measurement and Production Allocation	5 DAY	KISH ISLAND	T.B.A
92	Production Assurance- Troubleshooting and Guidelines in Oil & Gas Production Operations	5 DAY	TEHRAN	T.B.A
93	Rigless Intervention: Slickline, Coiled Tubing, Hydraulic, Workover & New Technologies	3 DAY	TEHRAN	T.B.A
94	HPHT Well Completion	4 DAY	TEHRAN	T.B.A
95	HPHT Well Control	4 DAY	TEHRAN	T.B.A

OUR INTERNATIONAL TRAINING NETWORK



**BOOST YOUR SKILLS & KNOWLEDGE
BY
MAT GROUP'S TRAINING PROGRAMS**

Note:



**We Strives for Perfection
By Local and International Opportunities**