

## Applied Deep-Water Sedimentology and Stratigraphy

*Lyon (France)*

*5 - 9 January 2026*

UK Traininig

# PARTNER



## Applied Deep-Water Sedimentology and Stratigraphy

Code: OG28 From: 5 - 9 January 2026 City: Lyon (France) Fees: 4900 Pound

### Introduction

This comprehensive course on Advanced Sedimentology and Stratigraphy is tailored for professionals and researchers aiming to delve into the latest advancements in deep-water depositional systems. With a focus on applied sedimentology and the principles of stratigraphy, this course explores the intricate geological settings of deep-water environments and their practical applications across the energy, mining, and environmental sectors. Participants will gain an in-depth understanding of how sedimentology and stratigraphy are applied in real-world scenarios to tackle geological challenges effectively.

This course combines theoretical foundations with hands-on applications, equipping participants with the skills needed to interpret, analyze, and integrate data for exploration and development in deep-water depositional systems. Whether you are a geologist, geophysicist, engineer, or environmental scientist, this course is your gateway to mastering sedimentology techniques and stratigraphy methods for professional excellence.

### Course Objectives

By the end of this course, participants will be able to:

- Understand and apply the principles of sedimentology and stratigraphy to deep-water depositional systems.
- Analyze sedimentary facies, architectural elements, and depositional environments to build accurate geological models.
- Integrate sedimentological and stratigraphic data with seismic, core, and well log analyses to develop exploration strategies.
- Apply advanced sedimentology techniques such as seismic geomorphology and numerical modeling to characterize reservoirs.
- Utilize the importance of stratigraphy in mining, energy exploration, and environmental monitoring.
- Communicate complex geological concepts effectively to multidisciplinary teams and stakeholders.

### Course Outlines

#### Day 1: Introduction to Deep-Water Sedimentology and Stratigraphy

- Overview of sedimentology and its applications in deep-water systems.
- Key principles of stratigraphy and their role in understanding geological formations.
- Deep-water depositional environments: Processes and tectonic controls.
- Recognition of architectural elements and their stratigraphic significance.

#### Day 2: Deep-Water Clastic Depositional Systems

- Understanding turbidity currents and their associated deposits turbidites, debris flows, hybrid beds.

- Stratigraphic analysis of submarine fans and channel-levee complexes.
- Techniques for analyzing overbank deposits and sediment distribution patterns.

### Day 3: Deep-Water Carbonate Depositional Systems

- Carbonate sedimentology: From platform-to-basin transitions to slope deposits.
- Processes and stratigraphy of contourite drifts and bottom currents.
- Case studies on carbonate depositional systems and their reservoir potential.

### Day 4: Integrating Sedimentology and Stratigraphy Data

- Techniques in seismic facies analysis and seismic geomorphology for deep-water systems.
- Core analysis, well log interpretation, and reservoir characterization.
- Utilizing advanced sedimentology methods such as numerical modeling for depositional systems.

### Day 5: Applications and Case Studies

- Exploration and development of hydrocarbon reservoirs using sedimentology and stratigraphy methods.
- Application of sedimentology in deep-sea mining and environmental monitoring.
- Real-world case studies to demonstrate the importance of stratigraphy in resource management.

### Why Attend this Course: Wins & Losses!

- Professional Advancement: Gain expertise in applied sedimentology and stratigraphy to enhance your career in geology, mining, or energy sectors.
- Hands-On Learning: Learn advanced sedimentology techniques through practical workshops and case studies.
- Interdisciplinary Knowledge: Understand the integration of sedimentology with geophysics, engineering, and environmental science.
- Certification: Receive a professional certificate that validates your skills in sedimentology and stratigraphy.

### Conclusion

This Advanced Sedimentology and Stratigraphy course bridges the gap between theoretical knowledge and practical application, empowering participants to excel in their professional roles. From mastering the basic principles of stratigraphy to applying sedimentology techniques in real-world projects, this course provides a solid foundation for tackling complex geological challenges.

Enroll today to take the first step toward mastering sedimentology and stratigraphy, and unlock your potential in deep-water exploration, mining, and resource management!





# Blackbird Training Cities

## Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)



Podgorica (Montenegro)



Batumi (Georgia)



Salzburg (Austria)



Florence (Italy)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Athens (Greece)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



## Blackbird Training Cities

### USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

### ASIA



Baku (Azerbaijan)  
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Melbourne (Australia)  
(Kuwait)



Phuket (Thailand)



Shanghai (China)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City



Seoul (South Korea)



Pulau Ujong (Singapore)



Irbid (Jordan)



Jakarta (Indonesia)



Amman (Jordan)



Beirut





## Blackbird Training Cities

### AFRICA



Kigali (Rwanda)



Cape Town ( South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



## Blackbird Training Clients



MANNAI Trading  
Company WLL,  
Qatar



Alumina Corporation  
Guinea



Booking.com  
Netherlands



Oxfam GB International  
Organization,  
Yemen



Capital Markets  
Authority,  
Kuwait



Waltersmith Petroman Oil Limited  
Nigeria



Qatar National Bank  
(QNB),  
Qatar



Qatar Foundation,  
Qatar



AFRICAN UNION ADVISORY  
BOARD ON CORRUPTION,  
Tanzania



KFAS  
Kuwait



Reserve Bank of  
Malawi,  
Malawi



Central Bank of Nigeria  
Nigeria



Ministry of Interior  
Kingdom of Saudi Arabia  
KSA



Mabruk Oil Company  
Libya



Saudi Electricity  
Company,  
KSA



BADAN PENGELOLA  
KEUANGAN Haji,  
Indonesia



NATO  
Italy



ENI CORPORATE  
UNIVERSITY,  
Italy



Gulf Bank  
Kuwait



General Organization for  
Social Insurance  
KSA



Defence Space Administration  
Nigeria



National Industries  
Group (Holding),  
Kuwait



Hamad Medical  
Corporation,  
Qatar



USAID  
Pakistan



STC Solutions,  
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS  
UN.



Authority for

UK Training  
**PARTNER**



## Blackbird Training Categories

### Management & Admin

Entertainment & Leisure  
Professional Skills  
Finance, Accounting, Budgeting  
Media & Public Relations  
Project Management  
Human Resources  
Audit & Quality Assurance  
Marketing, Sales, Customer Service  
Secretary & Admin  
Supply Chain & Logistics  
Management & Leadership  
Agile and Elevation

### Technical Courses

Artificial Intelligence (AI)  
Hospital Management  
Public Sector  
Special Workshops  
Oil & Gas Engineering  
Telecom Engineering  
IT & IT Engineering  
Health & Safety  
Law and Contract Management  
Customs & Safety  
Aviation  
C-Suite Training



 International House 185 Tower Bridge  
Road London SE1 2UF United Kingdom

 +44 7401 1773 35  
+44 7480 775526

 Sales@blackbird-training.com

 www.blackbird-training.com

