

Clausthal, 29. Juli 2008

E-Learning Modules from EAGE (www.eage.org) for support of Basic Knowledge in Geoscience

The EAGE (European Association of Geoscientists & Engineers) offers a system of E-Learning modules for Petroleum Geoscience called “Learning Geoscience”. The ITE has an institutional subscription, which means that students and staff members of ITE can use these modules from the PCs in the Institute. You can find “Learning Geoscience” with the link:

<http://www.learninggeoscience.net/index.php?tab=2>

The following modules will help you prepare for the exam in Basic Knowledge Geoscience:

Summer School	EAGE: Learning Geoscience	
Geology	Subtopic	Modul
1. Introduction	Introduction to Geology	Geology - an Introduction
	Petrology and isotope geology	Rocks
2. Source Rocks	Introduction to Geology	Geology - an Introduction
3. Clastic Reservoir Rocks	Introduction to Geology	Geology - an Introduction
	Sedimentology and diagenesis	Diagenesis and Petrographical Description of Terrigenous Clastic rocks
	Sedimentology and diagenesis	Introduction to Sediment Petrology - Terrigenous clastic rocks
	Sedimentology and diagenesis	Weathering, Denudation & the Genesis of Sedimentary Particles
	Petrology and isotope geology	Rocks
	Sedimentology and diagenesis	Clays, muds and mudstones
	Sedimentology and diagenesis	Sediment Compaction and Diagenesis - Sand
	Sedimentology and diagenesis	Sediment Compaction and Diagenesis - An introduction
	Sedimentology and diagenesis	Sedimentology and Reservoir Geology of Shallow Marine Systems
	Sedimentology and diagenesis	Basic Introduction to Sedimentology and Stratigraphy
4. Carbonate Reservoir	Introduction to Geology	Introduction to carbonates
5. HC Seal Rocks		
6. Trap Formation	Reservoir description	Trapping mechanisms - forming petroleum reservoirs
	Structural geology	Deformation of rocks - structural geology
7. Migration	Introduction to Geology	Geology - an Introduction
8. Timing		
9. Structure Maps		
10. Fault Seal	Structural geology	Fault Formation in Porous Sandstones
	Structural geology	Fault linkage in horizontal direction
	Structural geology	Fault linkage in the vertical direction
	Structural geology	Introduction to deformation in porous sandstones
	Structural geology	Extensional faults
11. Data Integration		

Petrophysics	Subtopic	Modul
1. Introduction		
2. Definition of Petrophysics		
3. Rocks and Reservoirs	Petrology and isotope geology	The Earths interior
	Introduction to Geology	Geology - an Introduction
	Petrology and isotope geology	Rocks
	Sedimentology and diagenesis	Diagenesis and Petrographical Description of Terrigenous Clastic rocks
	Sedimentology and diagenesis	Introduction to Sediment Petrology - Terrigenous clastic rocks
4. Reservoir Properties		
5. Chemistry of Natural Gas and Crude Oil		
6. Pore Content		
7. Gas / Oil / Water Contact		
8. Original Oil in Place (OOIP)		
9. Environment in the Borehole While Drilling and Logging		
10. Definition of Well Logging		
11. Open hole Logging Tools		
12. Log Interpretation		
13. Log Correlation		
14. Cased Hole Logging		
15. Logging While Drilling (LWD)		

Seismics	Subtopic	Modul
1. Seismic Wave Propagation	4D seismic and seismic parameters	Intro to 4D on the Gullfaks Field
	Acquisition	3D Seismic
	Interpretation	Seismogram Analysis
	Acquisition	Seismic acquisition: Geophysical Principles
	Petrology and isotope geology	The Earths interior
	Structural geology	Closing the gap
2. Sources and Receivers	Acquisition	Land Seismic Acquisition
	Acquisition	Seismic acquisition: Geophysical Principles
	Acquisition	Seismic Equipment
	Introduction to Geophysics	Seismic data - How it works
3. Ray geometry	Acquisition	3D Seismic
	Introduction to Geophysics	Seismic data - How it works
4. Processing	Acquisition	Seismic acquisition: Recording
	Processing	Seismic Processing
	Introduction to Geophysics	Seismic data - How it works

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