

Gamma Ray Principles E-Learning

The Gamma Ray Principles E-Learning module provides a thorough introduction to the use of gamma ray measurements in the field of formation evaluation. The course introduces the theory of gamma ray emission and its geological control before covering theory of measurement and log interpretation. This training module is intended for all who will have any involvement in the operation, maintenance or support of the gamma tools offered by Black Diamond.

Features and Benefits

Comprehensive

Working from atomic theory through to analysis of environmental effects on log response, the course is designed to not only develop knowledge of those with little experience in the field, but to also benefit those with a functional knowledge of the discipline. The course delivers a comprehensive introduction to gamma ray logging with topics including:

- Structural geology
- Geological sources of gamma radiation
- Atomic theory
- Natural radioactivity
- Gamma ray measurement
- Log analysis
- Environmental effects on gamma ray logs

Integrated

The course, although beneficial as a stand-alone unit, forms an integral module within the Tensor Gamma Operations and Centerfire LWD Operations Training Programs. These programs deliver a defined progression of e-learning, traditional teaching and on-the-job training offerings designed to support the continued development of those involved with the operation, maintenance or technical support of the Black Diamond systems.

Flexible Delivery

The course is delivered on-line and is divided into five sections, each of which should take no longer than an hour to complete. This allows the material to be completed at a place, time and pace to suit all. Understanding is assured by way of on-line tests that highlight areas which require review. Material can be reviewed as often as is required to ensure total understanding.

Courses are administered through the Black Diamond Technical Support Portal

Target Audience

The course benefits anyone who has any contact with gamma ray systems. Essential for operations engineers and maintenance technicians who must assess the quality of gamma ray measurements, it is also of great benefit to anyone involved in the support of gamma operations.

Cost Effective

When delivered as a prerequisite to a Practical course the e-learning is free to all attendees.

As a stand-alone training module the e-learning is extremely competitive when compared to attendance at traditional theoretical seminars.

Black Diamond MWD & LWD Training Programs

Introductory	Introduction to MWD E-Learning		Introduction to Drilling E-Learning	
Core	Tensor MWD	Tensor MWD E-Learning	Operations Practical (3 Days)	Rigsite OJT
			Maintenance Practical (3 Days)	Workshop OJT
	Tensor Gamma	Gamma E-Learning	Operations Practical (2 Days)	Rigsite OJT
	Centerfire LWD		Resistivity E-Learning	Operations Practical (3 Days)
		Centerfire LWD E-Learning	Maintenance Practical (3 Days)	Workshop OJT
Advanced		Failure Analysis E-Learning	Directional Drilling & Surveying E-Learning	
		Drilling Dynamics E-Learning	Advanced Magnetic Surveying E-Learning	