

# PROFESSIONAL EDUCATION UNIT (PEU) GLOBAL DEVELOPMENT SERIES BASIC GEOPHYSICS

## OUTLINE:

The course is designed to familiarize anyone using seismic data with the nature of the data and what it exactly represents. One of the key goals of the course is to explain the large and confusing amount of "jargon" that is used by the Geophysical community when they use seismic data as a communication vehicle.

## YOU WILL LEARN:

- How seismic data represents subsurface rock parameters including the relative structure, lithology, and pore filling material.
- How seismic data is acquired and processed to produce a three dimensional seismic image.
- The limits of vertical and horizontal resolution inherent in the seismic data
- How seismic data is used to define reservoir parameters and how it relates to reservoir development; this includes a detailed discussion of AVO and other seismic attributes
- The various approaches to seismic imaging and how the velocity model relates to this image.

## DESIGNED FOR:

Asset managers, engineers, geoscientists, geoscience, technicians, team leaders and anyone involved in using seismic data that needs to understand and use this data as a communication vehicle.

## NOTE:

Early registration is advised. Total number is limited.  
The University reserves the right to schedule courses based on subscription.

## DURATION:

SEPTEMBER 13-17, 2010  
Monday - Friday (8:00 am - 4:00 pm)

## VENUE:

The University of Trinidad and Tobago  
Pasea Campus,  
Corner Churchill Roosevelt Highway & Pasea Main Road,  
Tunapuna.

## FEE:

USD\$4,030.00 inclusive of course material, lunch and refreshment.

## CERTIFICATION:

Participants will be awarded a PetroSkills Certificate of Completion.

## INSTRUCTOR:

PetroSkills Facilitator

## PLEASE CONTACT:

PROFESSIONAL EDUCATION UNIT

Tel: 642 8888 Ext. 24113

663-3138/9718 Ext. 4027

Email: [global.series@utt.edu.tt](mailto:global.series@utt.edu.tt)

Web Page: [www.u.tt/peu](http://www.u.tt/peu)