



THE UNIVERSITY OF TRINIDAD AND TOBAGO

# PROFESSIONAL EDUCATION UNIT (PEU)

## GLOBAL DEVELOPMENT SERIES

### SURFACE PRODUCTION OPERATIONS

#### OUTLINE:

The purpose of this course is to present an overview and fundamental understanding of the wide range of oilfield production handling and treatment equipment. The participant should learn not only "what" but "how" field fluid treating equipment works. The fundamental principles of fluid behavior are first introduced, then applied to all of the various equipment and systems comprising production operations. Emphasis is on understanding the internal workings inside the piping, valves and vessels.

#### YOU WILL LEARN:

- The physical properties and phase behavior of crude oil and natural gas that govern production operations.
- Field processes for treating and conditioning full wellstream production for sales or final disposition.
- An introduction to the wide range of equipment used to process, treat, transport, and store oilfield produced fluids.
- How to determine and minimize pressure drop in pipelines, valves and pressured vessels. Internal workings of separators, pumps, compressors, valves and other treating equipment.
- A basic understanding of a wide range of produced fluid volume measurement and metering devices.

#### DESIGNED FOR:

Beginning level production, facilities, operations and petroleum engineers; field production supervisors and production managers; surface equipment technicians; supervisory or technical personnel who interact with field facility engineers or operators.

#### DURATION:

APRIL 19 - 23, 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\$3,840.00 inclusive of course material, lunch and refreshment.

#### CERTIFICATION:

Participants will be awarded a PetroSkills Certificate of Completion.

#### INSTRUCTOR:

PetroSkills Facilitator

#### PLEASE CONTACT:

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