



THE UNIVERSITY OF TRINIDAD AND TOBAGO

# PROFESSIONAL EDUCATION UNIT (PEU) GLOBAL DEVELOPMENT SERIES

## REFINERY GAS TREATING, SOUR WATER, SULFUR & TAIL GAS (RF-61)

### OUTLINE:

This is an intermediate, five-day course with an established, successful format that has been delivered worldwide to refinery and natural gas process engineers and managers. Practical acid gas removal, sour water stripping, and sulfur recovery processes are stressed. Details of chemistry, process conditions and materials are described as required to assure a real understanding of the processes and their materials, construction and operational issues. To ensure that participants return to their workplace with enhanced ability and understanding, a large portion of the course includes participant discussions and problem solving.

### YOU WILL LEARN:

- Safety concerns with handling H<sub>2</sub>S and H<sub>2</sub>S rich streams
- Composition of typical refinery sour gas and acid gas feeds and their characterization
- How to select an amine from the various types available and calculate amine circulation rates required
- How to select sulfur recovery unit configuration
- About the economics of tail gas treatment plant selection to meet legislation
- Individual processes, engineering, materials and construction challenges
- How to handle the operation of units, interaction and challenges encountered
- How to increase sulfur removal and recovery by debottlenecking, changing solvents and sulfur plant oxygen injection

### DESIGNED FOR:

Personnel in the gas treating, sulfur recovery and environmental conservation areas of the petroleum refining business.

### DURATION:

OCTOBER 18 - 22, 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\$4,130.00 inclusive of course material, lunch and refreshment.

### CERTIFICATION:

Participants will be awarded a PetroSkills Facilitiles (John M. Campbell) Certificate of Completion.

### INSTRUCTOR:

PetroSkills Facilitator

### PLEASE CONTACT:

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