

A great opportunity to improve skill levels of your engineers



Oil & Gas Industry

Course 2010

Objective

A practical and effective training course to be used as a career development tool, to provide junior engineers with a broad technical understanding of the oil and gas industry from upstream exploration and production, midstream gas processing and transportation, to downstream refining, sales and marketing operations.

Contents

- Basic Exploration & Production
- Upstream Processing
- Maintenance Management
- Refining and End Products
- Instrumentation and DCS
- Supply and Trading
- End Markets
- Safety & Environmental Protection in Oil Industry

Additional abroad sessions available

Prerequisites

- Engineering Degree
- 2-3 years of working experience
- Very good English level

Costs

- Only 1.000 euro per participant for the Tripoli 5 weeks session
- Breakfast and refreshments included
- Special price for abroad additional sessions



Duration | 5 weeks
Edition | 2010
Location | Tripoli

Info
Interested Firms
are invited to contact:
OGCOURSE2010@ceng.it



Tripoli 5 weeks session detailed contents

Basic Exploration and Production	5 days	Instrumentation and DCS	5 days
<ul style="list-style-type: none"> • Introduction to the Topics and Programme • Origin and Migration of Hydrocarbons • Characteristics of Reservoir • Characteristics of Reservoir Fluids • Reservoir Classification • Recovery • Hydrocarbon Exploration • Well Drilling • Well Completion and Interventions 		<ul style="list-style-type: none"> • Introduction to Distributed Control Systems • Human Machine Interface • Control Strategies Configuration • Diagnostics • Fieldbus and Instrumentation Overview 	
Upstream Processing	5 days	Supply & Trading	2 days
<ul style="list-style-type: none"> • Oil & Gas Plant Equipment • Gas Plants • Oil Plants • Plant Utilities 		<ul style="list-style-type: none"> • Oil and Gas Transportation • Trading 	
Maintenance Management	2 days	End Markets	1 days
<ul style="list-style-type: none"> • Maintenance Engineering • Maintenance Strategies • Risk-Based-Inspections • Case study <p>Plant visit according to availability</p>		<ul style="list-style-type: none"> • Producing Countries, Consuming Countries, National and International Oil Companies • International Organizations (OPEC, IEA...) • Trading Markets • Financial and Political Challenges 	
Refining & End Products	3 days	Safety & Environmental Protection in Oil Industry	2 days
<ul style="list-style-type: none"> • Oil Refining Industry: General Aspects • Distillation Processes • Processes Related to Environmental Issues • Processes to Improve the Qualities of Distillates • Thermal Conversion Processes • Catalytic Conversion Processes • Deep Conversion of Residues • Quality Control of Products in Petroleum Refining 		<ul style="list-style-type: none"> • Evaluation and Mitigation of the Risks • Safety in Process Operations • Environmental Protection 	

Note: the program and contents could be modified according to participants' skills or major issues.