

## Exciting Training Opportunity for Geoscientists

# Basics of the Petroleum Industry

Uzma Group in conjunction with its Technology Partner, SCA, (a world leader in Upstream Exploration and Production courses) are proud to bring this training opportunity to oil and gas companies in the S.E Asia region. Since its founding in 1988, SCA has provided leading edge technical training services around the world to over 19,000 petroleum industry professionals.

### Course Description:

The **Basics of the Petroleum Industry** course provides a "Prospect-to-Market" perspective on the oil and gas industry, covering topics from the generation and migration of oil and gas to the refining and marketing of petroleum products. Emphasis is placed on the upstream segment of the industry, with participants gaining a fundamental understanding of exploration technology, geology and geophysical skills, and the drilling, reservoir and production engineering disciplines.

The course includes an introduction to basic risking concepts, oil and gas economic evaluation, and reserve/resource classification. The course is designed for both the entry level technical person, and the non-technical person who needs a practical understanding of the petroleum industry.

### Learning Outcomes:

1. Understand how oil and gas are formed, trapped, discovered and developed.
2. Become familiar with the disciplines and skills involved in finding and producing oil and gas.
3. Recognize the basic tools, equipment and processes used in finding, developing, producing and refining hydrocarbons.
4. Understand the industry language and terminology that you are likely to encounter in your job.
5. Understand the overall industry workflow from the prospect to the gas pump, and how your work fits into the big picture.

### Who Should Attend:

Entry level geoscientists and engineers, as well as technical support staff, administrative assistants, clerks, lawyers, land men, accountants, managers and anyone else who will benefit from a broad understanding of how oil and gas are discovered, developed and delivered. Also for participants coming to the oil industry from other backgrounds or industries and for non-oil industry people who simply want to learn more about this fascinating business.

### Course Content:

- Brief overview of the Petroleum Industry, including history and perspective on the future.
- Key aspects of Petroleum Geology such as geologic age, plate tectonics, hydrocarbon generation, reservoir types, and petroleum traps.
- The nature of seismic data acquisition, processing, and interpretation.
- Drilling equipment, personnel and down-hole engineering with a focus on subsurface pressure.
- The types and importance of well data such as wire line logs and cores.
- Reservoir engineering fundamentals including drive mechanisms, reserves evaluation and reserves/resources classification.
- Production engineering, the field life cycle, pressure maintenance, and production systems (onshore and offshore).
- Crude oil and natural gas transportation.
- Refining and marketing of petroleum products, including interesting facts about gasoline pricing.

For further details contact [training@uzmagroup.com](mailto:training@uzmagroup.com) or register on line at: [http://scacompanies.com/training\\_services/CourseDetail.aspx?courseid=42](http://scacompanies.com/training_services/CourseDetail.aspx?courseid=42)