

An Introduction to the Petroleum Industry for GIS Techs

1-Day Course

Includes an afternoon at the Houston Museum of Natural Science – Energy Exhibit

Overview

This half day course provides students with an overview of petroleum geology. Beginning with a brief review of the petroleum industry as a whole, it proceeds to introduce students to relevant exploration, development, and production topics that support personnel are expected to understand as they assist geologists, geophysicists, and engineers.

Audience

This course is for non-geologists who want to learn more about petroleum geology and the petroleum industry.

Topics covered

Exploration

- Overview of Petroleum Industry
- Examination of Source, Seal, and Trap
- Structural geology and petrography
- Introduction to Prospects and Plays
- Data sources and Map types

Development

- Environmental considerations
- Economics
- On and Offshore Leasing
- Drilling
- Facilities

Production

- Drive types
- Production decline
- Environmental considerations
- Secondary and Tertiary recovery

Prerequisites and recommendations

None