

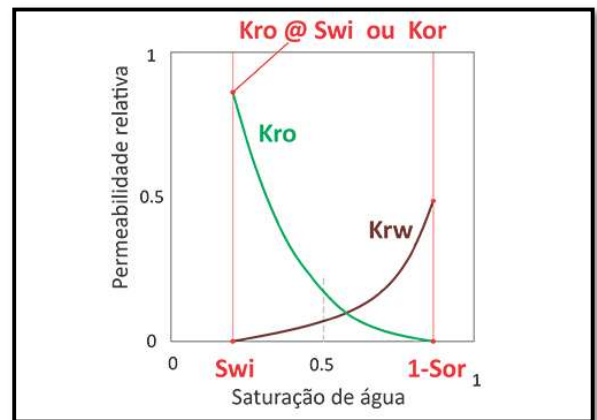
# **Basic Course:: Fundamentals of Reservoir Engineering**

*Properties of rocks and fluids and the management of oil production..*

**Course type:** LIVE STREAMING (05 days, 30 hours)

**Classes in preparation**

**Cost:** € 750 + VAT



## **Objectives**

Upon completing this course, participants are expected to::

- Acquire a minimum of knowledge to develop activities in the various branches of petroleum engineering,
- Understand the risk and success factors for the adequate management of oil production.

## **Content**

- Basic properties: porosity, absolute permeability, compressibility, relative and effective permeability, mobility, saturation pressure.
- Types of reservoirs: oil, wet gas, dry gas and retrograde gas.
- Oil and gas production mechanisms.
- Produced fluids, RGO, RAO, BSW, Bo, Bg.
- Reserves estimates, recovery factor.
- Fluid injection.
- PVT analysis, decline, material balance, productivity index.
- Evaluation of formations and fluid flow in porous media.
- Advanced oil recovery: EOR and IOR.

## **Who should participate**

Geologists, geophysicists and engineers working in the exploration and production of hydrocarbons.

## **Instructor**

- Luis **Glauber** Rodrigues, PhD