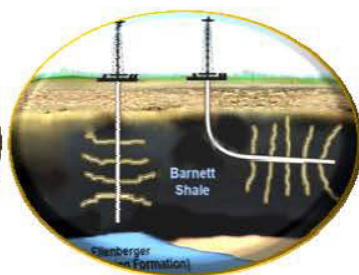


WELL DRILLING INSTITUTE

A set of industry-focussed and field-oriented training modules



TRAINING PROGRAMME:

“DRILLING OPERATIONS”

(A 30-Credit Hours Extensive Training Programme)

COURSE CODE:

WDI-D.O-001

DESIGNED FOR:

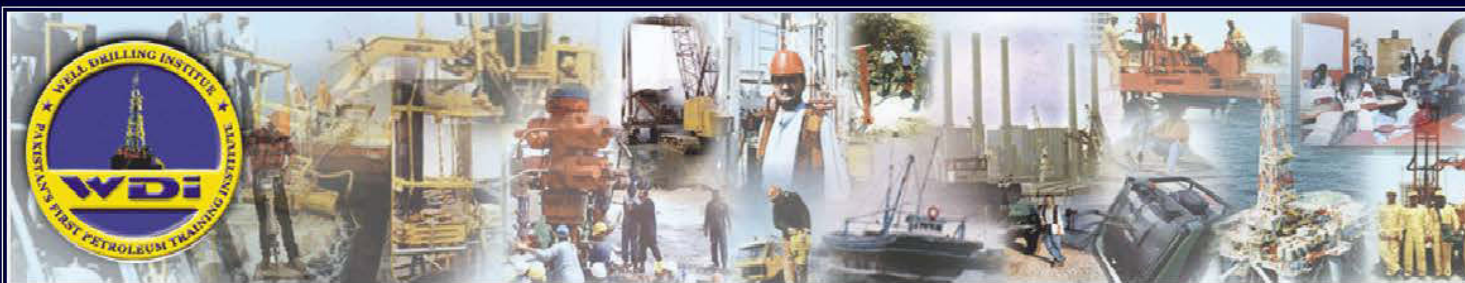
**YOUNG PETROLEUM ENGINEERS, GEOLOGISTS,
GEOPHYSICISTS & DIPLOMA HOLDERS**

COURSE TO BE CONDUCTED AT:

WELL DRILLING INSTITUTE (WDI)

Suite # 101, 1st Floor, Arab Business Center,
Plot # 5, Bahadurabad Chowrangi, Karachi - Pakistan
Tel: 021 -34925655, 34925654
Email: wdipetroleum@gmail.com
Facebook: [wdi.petroleum](https://www.facebook.com/wdi.petroleum) - Website: secura-group.com

In building good governance one can start at any point in the process — “top” or “bottom” — and produce positive results. Honest, dedicated leaders are essential, and much can be done to identify and cultivate the qualities of leadership in schools and training institutions.



Technical skill shared with educational competence...

DRILLING OPERATIONS

WDI-D.O-001

WHO SHOULD ATTEND?

This course is recommended for fresh Petroleum Engineers, Students of Petroleum Engineering, Geology, Geophysics disciplines, as well as Diploma holders (in Mechanical, Power, Chemical and Instrumentation), and non-technical E&P Personnel such as; Logistics, Finance and Procurements who want to gain knowledge and to understand the technical terms used in Oil Drilling.

COURSE OBJECTIVES

To provide participants an overall technical know-how about drilling. Upon completion of the course, participants;

- know the drilling equipment and corresponding well techniques,
- know the different drilling operations,
- know the functions of different people involved in drilling,
- have acquired the knowledge of technical terms used in drilling.

PEDAGOGY

Including Rig-site visit and Video Movies etc.

WDI is the Pakistan's 1st Petroleum Industry Training Institute, in Private sector where quality education is imparted according to the need and requirement of the E&P Industry.

WDI Short Certificate Programs (for Engineering Students, as well as for Corporate Levels) are a recommended grouping of courses within a subject area or discipline that support the development of specific knowledge and skills applicable to the workplace. Our training programs are designed, developed and updated by our highly Professional team of training experts with input of our overseas partner institutions, industry, and client/learner feedback.

Our training programs are designed for those who would like to increase their existing and working knowledge of all of the technical aspects of the Oil & Gas Industry. Those already in the industry or from ancillary Industries can increase and boost their technical understanding of the very dynamic energy business. Participants new to the industry can expect to be well prepared for many of the administrative and support-level technical positions that are in high demand today with Energy Companies.

WDI now offers a Short Certificate Program of 30-Credit Hours in "DRILLING OPERATIONS" on regular (WEEK-DAYS & WEEK-ENDS) basis.

This course provides a technical overview of the science and art of drilling operations, completion practices and post-completion wellbore enhancement or remedial work-over techniques (well intervention). It develops an understanding of the WHAT, WHY, and HOW of each of these areas of engineering practices.

COURSE CONTENT:

1. Introduction to Drilling Engineering
2. Reservoir Rock and Fluid Properties
3. Rig & Rig Components
4. Drill String Components & Bits
5. Drilling Fluids & Rig Hydraulics
6. Circulation System
7. Hole Problems and Stuck Pipe
8. Cores and Coring
9. Casing and Cementing
10. Directional Horizontal and Multilateral Drilling
11. Well Head & X-Tree