Oceans Technology Higher Education (Pty) Ltd.

www.oceanstechnology.co.za

Stage 2: Basic Short Course — Advanced Well Engineering (2Days)

About the course:

The course focuses on the concept of effective well construction, and aims to develop high levels of professional skill in the key areas of well design, drilling and operations management.

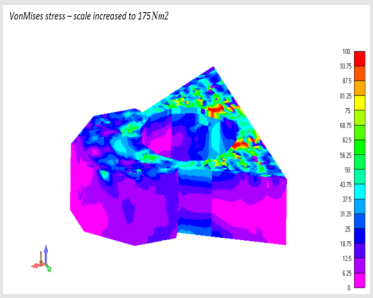
Who Should Attend?

Typical students include those working in oil and gas companies, energy companies, national oil companies, engineering firms and project service companies. Graduates of MSc Drilling and Well Engineering are now employed in every oil producing area of the world and work for many of the oil majors and drilling contractors.

Why Attend?

On completion of this module, students are expected to be able to:

1. Design a strategy for optimizing a mature asset using and justifying appropriate advanced drilling technologies.
2. Use a range of intervention techniques and well monitoring technologies to optimize well uptime.
3. Construct an example of QRA based well programming.
4. Produce a conceptual design for a deepwater well.



Aims of Module:

This module focuses on the application of engineering practices to optimize and deliver enhanced productivity.

Indicative Module Content:

1. High Pressure / High Temperature wells
Techniques and Equipment

2. Deepwater
Techniques and considerations

3. Underbalanced and TTRD
Theory and practice

4. Extended Reach, Multilateral and Designer
Design considerations
Technology

5. Workover, Intervention and Well Management
Techniques
Productivity Issues
Technology

6. QRA based well programming

7. Advanced Wells
Drilling Equipment
Completion Equipment
Intelligent Wells
Material Selection

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