

Course outline IWCF for combined level 3& 4

Course outline		
Day 1		
Time	Subject	
09.00- 09.45	Introduction. Passport presentation	
09.45-10.10	BOP Stack Configuration and Side outlet valves	
10.10-10.30	Diverter	
10.30-11.00	Ram type preventer	
11.00-11.15	Blind shear preventers	
11.15 -11.45	Marine Riser System	
11.45-12.00	Connections	
12.00-13.00	Lunch Break	
13.00-13.30	Annular preventer	
13.30-13.45	BOP test and Equipment	
13.45-14.10	Inside BOPs and Kelly cocks	
14.10-14.30	Chock manifolds and Cocks	
14.30-14.45	Mud/Gas Separator and vacuum degasser	
14.34-15.00	Coffee Break	
15.00-15.30	Surface and Subsea BOP Control system	
15.30-16.00	Barrier Concept	
16.00-16.20	Inflow test	

Course outline		
Day 2		
Time	Subject	

8.00-8.30	Homework Review
8.30-9.00	Well control event, training and assessment
	Primary / Secondary well control
9.00-9.15	Hydrostatic pressure
9.15-9.30	Formation pressure
9.30-9.50	Circulating System
9.50-10.10	Causes of kick
10.10-10.20	Coffee Break
10.20-10.30	Kick warning sign/Indicators Swab and Surge pressure
10.30-10.40	Warning sign and first action while drilling
10.40-11.00	Warning sign and first action while tripping
	Trip sheet
11.00-11.15	Fracture pressure
11.15-11.45	Fracture pressure and MAASP
11.45-12.00	Top Hole
12.00-13.00	Lunch Break
13.00-13.30	Gas cutting
	Influx characteristic and behavior
	Influx Migration
13.30-14.15	Hydrostatic Effect
14.15-14.45	Slow Circulating Rate
14.45-15.00	Coffee Break
15.00-15.35	Risk Management
15.35-16.00	Lost circulation

Day 3		
Time	Subject	
08.30-9.40	Homework Review	
9.20-9.40	Coffee Break	
9.40-10.00	Contingency planning	
10.00-10.40	Wait & Weight and driller methods	
10.40-11.00	Shut in procedures - wire line operation	
11.00-11.45	Volumetric and stripping	
11.45-12.30	Lunch Break	
12.30-13.00	Well control / shut in during casing and cementing	
13.00-13.30	Interpretation and observation	
13.30-14.00	Well control methods and principles	
	Well control management	
	Perform calculations	
14.00-14.15	Kill or chock line problems	
14.15-14.30	Chock line friction	
14.30-14.45	Coffee Break	
14.45-15.45	Simulator Practice	
15.45-17.00	Practical simulator training	

Course outline		
Day 4		
Time	Subject	
08.30-9.40	Homework Review	
9.20-9.40	Coffee Break	
9.40-12.30	Exercises in class and practical simulator test	

12.30-13.00	Lunch Break	
13.00-xx.xx	Exercises in class and practical simulator test	

Course outline		
Day 5		
Time	Subject	
07.30-8.45	Homework Review and passport presentation	
8.45-9.00	Coffee Break	
	TOTAL COURSE HOURS	42 HR
09.00-xxx	IWCF Test	